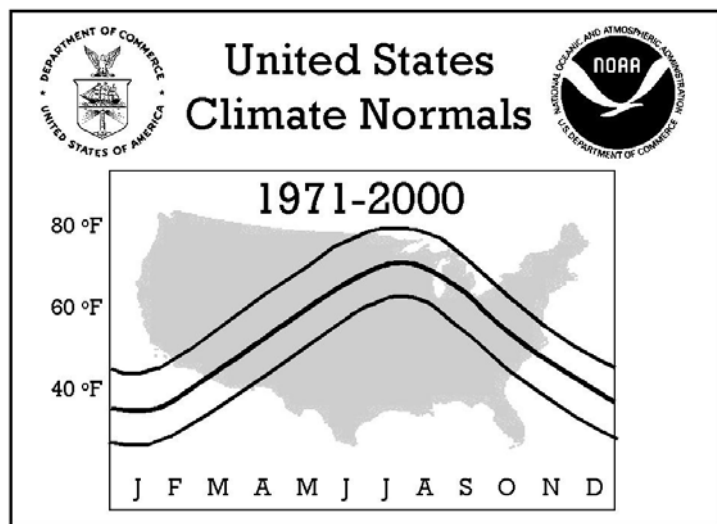


CLIMATOGRAPHY OF THE UNITED STATES NO. 20



Monthly Station Climate Summaries, 1971-2000



TEMPERATURE
PRECIPITATION
SNOW
FREEZE DATA
DEGREE DAYS



WISCONSIN



NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE
NATIONAL CLIMATIC DATA CENTER
ASHEVILLE, NC

Issue Date: FEB 2004

INTRODUCTION

The Climatology of the United States No. 20 Monthly Station Climate Summaries for the 1971-2000 period of record are station summaries of particular interest to agriculture, industry and engineering applications and include a variety of statistics for temperature, precipitation, snow, and degree day elements for 4,263 stations. The new CLIM20's update and expand on the previous version (1,879 stations) which was last published in 1985 and covered the period 1951-1980. The types of statistics include means, median (precipitation and snow elements), extremes, mean number of days exceeding threshold values, and probabilities for monthly precipitation and freeze data. There is also a table for each station with heating, cooling, and growing degree days for various temperature bases. New columns added by element table are below:

a. Temperature Table:

1. Highest and lowest monthly mean temperature and year of occurrence
2. Mean number of days greater than or equal to 50/100 degrees Fahrenheit

b. Precipitation Table:

1. Median monthly precipitation
2. Lowest monthly total precipitation and year of occurrence
3. Mean number of days greater than or equal to 0.01 inches

c. Snow Table:

1. Median monthly snowfall/snow depth
2. Mean snow depth and highest monthly mean snow depth and year of occurrence
3. Highest daily snowfall/snowfall and date of occurrence
4. Mean number of days greater than or equal to following thresholds, (0.1, 1.0, 3.0, 5.0, 10.0 inches)

d. Degree Days Table:

Added 32 degrees Fahrenheit as a base for HDD/CDD

Notes

- a. The monthly means are simple arithmetic averages computed by summing the monthly values for the period 1971-2000 and dividing by thirty. Prior to averaging, the data are adjusted if necessary to compensate for data quality issues, station moves or changes in station reporting practices. Missing months are replaced by estimates based on neighboring stations.
- b. The median is defined as the middle value in an ordered set of values. The median is being provided for the snow and precipitation elements because the mean can be a misleading value for precipitation normals.
- c. Only observed validated values were used to select the extreme daily values.
- d. Extreme monthly temperature/precipitation means were selected from the monthly normals data.
Monthly snow extremes were calculated from daily values quality controlled to be consistent with the Snow Climatology.
- e. Degree Days were derived using the same techniques as the 1971-2000 normals.
Complete documentation for the 1971-2000 Normals is available on the internet from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html
- f. Mean "number of days statistics" for temperature and precipitation were calculated from a serially complete daily data set.
Documentation of the serially complete data set is available from the link below:
- g. Snowfall and snow depth statistics were derived from the Snow Climatology.
Documentation for the Snow Climatology project is available from the link under references.

Data Sources for Tables

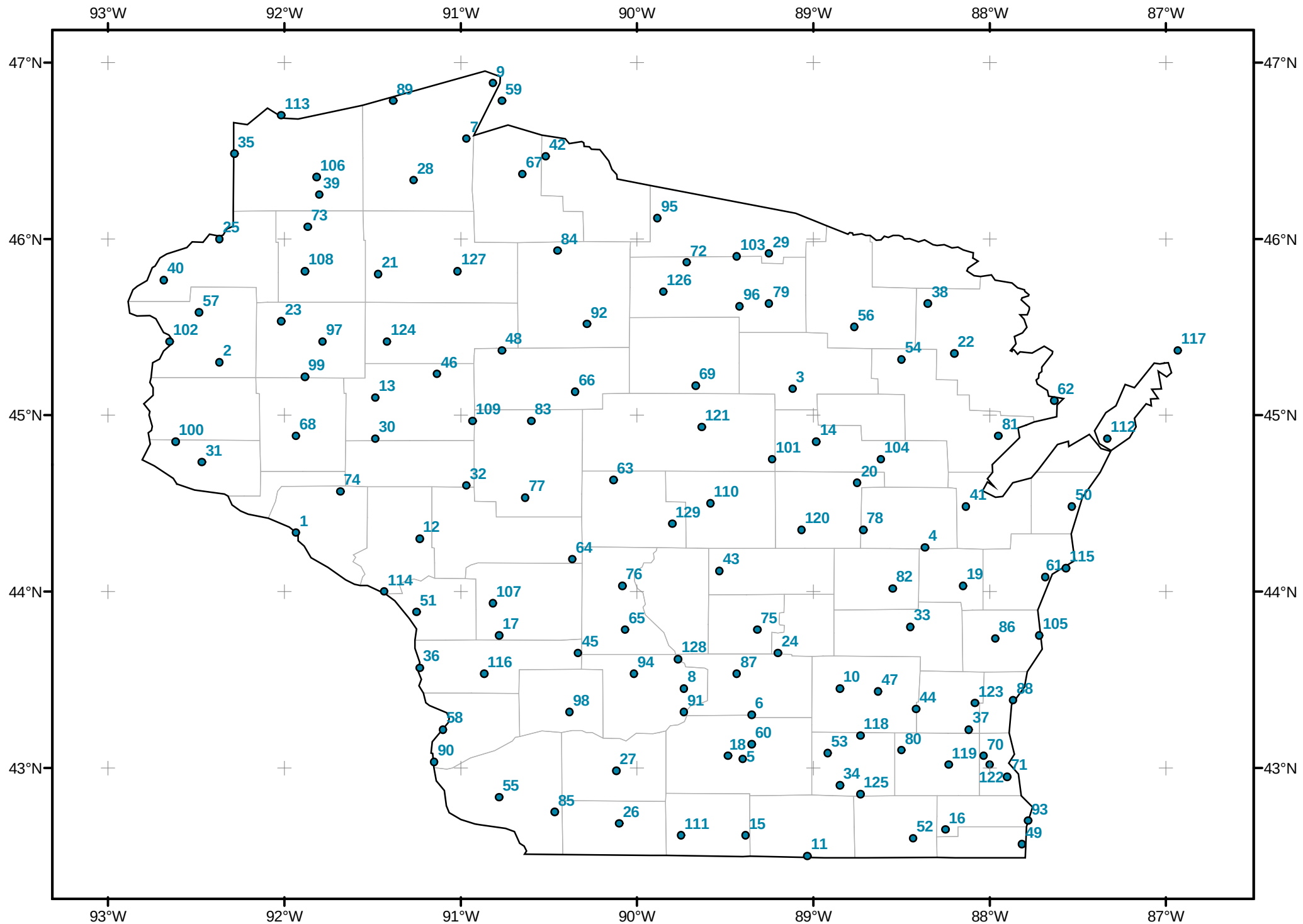
Several different data sources were used to create the Clim20 climate summaries. In some cases the daily extremes appear inconsistent with the monthly extremes and or the mean number of days statistics. For example, a high daily extreme value may not be reflected in the highest monthly value or the mean number of days threshold that is less than and equal to the extreme value. Some of these difference are caused by different periods of record. Daily extremes are derived from the station's entire period of record while the serial data and normals data were for the 1971-2000 period. Therefore extremes observed before 1971 would not be included in the 1971-2000 normals or the 1971-2000 serial daily data set. Inconsistencies can also occur when monthly values are adjusted to reflect the current observing conditions or were replaced during the 1971-2000 Monthly Normals processing and are not reconciled with the Summary of the Day data.

a. Temperature/ Precipitation Tables 1. 1971-2000 Monthly Normals 2. Cooperative Summary of the Day 3. National Weather Service station records 4. 1971-2000 serially complete daily data b. Degree Day Table 1. Monthly and Annual Heating and Cooling Degree Days Normals to Selected Bases derived from 1971-2000 Monthly Normals 2. Daily Normal Growing Degree Units to Selected Base Temperatures derived from 1971-2000 serially complete daily data	c. Snow Tables 1. Snow Climatology 2. Cooperative Summary of the Day d. Freeze Data Table 1971-2000 serially complete daily data

References

U.S. Climate Normals 1971-2000, www.ncdc.noaa.gov/normal.html
U.S. Climate Normals 1971-2000-Products Clim20, www.ncdc.noaa.gov/oa/climate/normal/usnormalsprods.html
Snow Climatology Project Description, www.ncdc.noaa.gov/oa/climate/monitoring/snowclim/mainpage.html
Eischeid, J. K., P. Pasteris, H. F. Diaz, M. Plantico, and N. Lott, 2000: Creating a serially complete, national daily time series of temperature and precipitation for the Western United States. J. Appl. Meteorol., 39, 1580-1591,
www1.ncdc.noaa.gov/pub/data/special/serialcomplete_jam_0900.pdf

Wisconsin Station Locations



Wisconsin

Map Num	COOP ID	Station Name, State	Latitude (DEG MN)	Longitude (DEG MN)	Elevation (Feet)	Climate DIV	Period of Record	Call Sign
001	470124	ALMA DAM 4, WI	4420N	9156W	670	4	1948-2001	
002	470175	AMERY, WI	4518N	9222W	1,070	1	1948-2001	
003	470239	ANTIGO, WI	4509N	8907W	1,521	3	1948-2001	
004	470265	APPLETON, WI	4415N	8822W	750	6	1948-2001	
005	470273	ARBORETUM UNIV WIS, WI	4303N	8924W	865	8	1971-2001	
006	470308	ARLINGTON UNIV FARM, WI	4318N	8921W	1,080	8	1962-2001	
007	470349	ASHLAND EXP FARM, WI	4634N	9058W	650	1	1948-2001	
008	470516	BARABOO, WI	4327N	8944W	823	7	1948-2001	
009	470603	BAYFIELD 6 N, WI	4653N	9049W	820	1	1948-2001	
010	470645	BEAVER DAM, WI	4327N	8851W	840	8	1948-2001	
011	470696	BELOIT, WI	4230N	8902W	780	8	1948-2001	
012	470882	BLAIR, WI	4418N	9114W	860	4	1948-2001	
013	470904	BLOOMER, WI	4506N	9129W	980	1	1948-2001	
014	470991	BOWLER, WI	4451N	8859W	1,080	3	1948-2001	
015	471078	BRODHEAD, WI	4237N	8923W	790	8	1948-2001	
016	471205	BURLINGTON, WI	4239N	8815W	751	9	1948-2001	
017	471280	CASHTON, WI	4345N	9047W	1,380	4	1949-2001	
018	471416	CHARMANY FARM, WI	4304N	8929W	910	8	1959-2001	
019	471568	CHILTON, WI	4402N	8809W	840	6	1948-2001	
020	471676	CLINTONVILLE, WI	4437N	8845W	800	5	1948-2001	
021	471847	COUDERAY 7 W, WI	4548N	9128W	1,300	1	1948-2001	
022	471897	CRIVITZ HIGH FALLS, WI	4521N	8812W	1,050	3	1948-2001	
023	471923	CUMBERLAND, WI	4532N	9201W	1,240	1	1948-2001	
024	471970	DALTON, WI	4339N	8912W	860	5	1948-2001	
025	471978	DANBURY, WI	4600N	9222W	925	1	1948-2001	
026	472001	DARLINGTON, WI	4241N	9006W	930	7	1901-2001	
027	472173	DODGEVILLE, WI	4259N	9007W	1,110	7	1948-2001	
028	472240	DRUMMOND, WI	4620N	9116W	1,340	1	1948-2001	
029	472314	EAGLE RIVER, WI	4555N	8915W	1,645	2	1948-2001	
030	472428	EAU CLAIRE RGNL AP, WI	4452N	9129W	885	4	1949-2001	EAU
031	472556	ELLSWORTH 1 E, WI	4444N	9228W	1,030	4	1948-2001	

032	472678	FAIRCHILD RANGER STA, WI	4436N	9058W	1,080	4	1948-2001	
033	472839	FOND DU LAC, WI	4348N	8827W	760	6	1948-2001	
034	472869	FORT ATKINSON, WI	4254N	8851W	800	8	1948-2001	
035	472889	FOXBORO, WI	4629N	9217W	932	1	1963-2001	
036	473038	GENOA DAM 8, WI	4334N	9114W	639	7	1948-2001	
037	473058	GERMANTOWN, WI	4313N	8807W	850	9	1948-2001	
038	473174	GOODMAN, WI	4538N	8821W	1,430	3	1959-2001	
039	473186	GORDON, WI	4615N	9148W	1,040	1	1951-2001	
040	473244	GRANTSBURG, WI	4546N	9241W	990	1	1950-2001	
041	473269	GREEN BAY STRBL INTL AP, WI	4429N	8808W	687	6	1948-2001	GRB
042	473332	GURNEY, WI	4628N	9031W	970	2	1952-2001	
043	473405	HANCOCK EXP FARM, WI	4407N	8932W	1,076	5	1903-2001	
044	473453	HARTFORD 2 W, WI	4320N	8825W	980	9	1948-2001	
045	473654	HILLSBORO, WI	4339N	9020W	940	7	1948-2001	
046	473698	HOLCOMBE, WI	4514N	9108W	1,025	1	1948-2001	
047	473756	HORICON, WI	4326N	8838W	880	8	1970-2001	
048	474080	JUMP RIVER 3 E, WI	4522N	9046W	1,265	2	1948-2001	
049	474174	KENOSHA, WI	4234N	8749W	600	9	1948-2001	
050	474195	KEWAUNEE 3 NW, WI	4429N	8732W	702	6	1948-2001	
051	474370	LA CROSSE MUNICIPAL AP, WI	4353N	9115W	651	4	1948-2001	LSE
052	474457	LAKE GENEVA, WI	4236N	8826W	880	9	1948-2001	
053	474482	LAKE MILLS, WI	4305N	8855W	852	8	1948-2001	
054	474523	LAKEWOOD 3 NE, WI	4519N	8830W	1,290	3	1968-2001	
055	474546	LANCASTER 4 WSW, WI	4250N	9047W	1,040	7	1948-2001	
056	474582	LAONA 6 SW, WI	4530N	8846W	1,525	3	1948-2001	
057	474894	LUCK, WI	4535N	9229W	1,220	1	1971-2001	
058	474937	LYNXVILLE DAM 9, WI	4313N	9106W	633	7	1948-2001	
059	474953	MADELINE ISLAND, WI	4647N	9046W	660	2	1948-2001	
060	474961	MADISON DANE CO AP, WI	4308N	8921W	858	8	1948-2001	MSN
061	475017	MANITOWOC, WI	4405N	8741W	660	6	1948-2001	
062	475091	MARINETTE, WI	4505N	8738W	610	3	1948-2001	
063	475120	MARSHFIELD EXP FARM, WI	4438N	9008W	1,250	5	1913-2001	
064	475164	MATHER 3 NW, WI	4411N	9022W	970	4	1948-2001	
065	475178	MAUSTON 1 SE, WI	4347N	9004W	865	5	1948-2001	
066	475255	MEDFORD, WI	4508N	9021W	1,470	2	1948-2001	
067	475286	MELLEN 4 NE, WI	4622N	9039W	1,300	2	1948-2001	
068	475335	MENOMONIE, WI	4453N	9156W	780	4	1948-2001	

069	475364	MERRILL, WI	4510N	8940W	1,253	2	1905-2001	
070	475474	MILWAUKEE MT MARY COL, WI	4304N	8802W	726	9	1948-2001	
071	475479	MILWAUKEE MITCHELL AP, WI	4257N	8754W	672	9	1948-2001	MKE
072	475516	MINOCQUA DAM, WI	4552N	8943W	1,580	2	1905-2001	
073	475525	MINONG 5 WSW, WI	4604N	9152W	1,075	1	1961-2001	
074	475563	MONDOVI, WI	4434N	9141W	830	4	1948-2001	
075	475581	MONTELO, WI	4347N	8919W	786	5	1954-2001	
076	475786	NECEDAH, WI	4402N	9005W	925	5	1953-2001	
077	475808	NEILLSVILLE 3 SW, WI	4432N	9038W	1,035	2	1948-2001	
078	475932	NEW LONDON, WI	4421N	8843W	805	5	1948-2001	
079	476122	NORTH PELICAN, WI	4538N	8915W	1,610	2	1948-2001	
080	476200	OCONOMOWOC, WI	4306N	8830W	856	9	1948-2001	
081	476208	OCONTO 4 W, WI	4453N	8757W	660	3	1948-2001	
082	476330	OSHKOSH, WI	4401N	8833W	750	6	1948-2001	
083	476357	OWEN 3 W, WI	4458N	9036W	1,242	2	1948-2001	
084	476398	PARK FALLS DNR HQ, WI	4556N	9027W	1,525	2	1948-2001	
085	476646	PLATTEVILLE, WI	4245N	9028W	990	7	1948-2001	
086	476678	PLYMOUTH, WI	4344N	8758W	834	6	1910-2001	
087	476718	PORTAGE, WI	4332N	8926W	775	8	1948-2001	
088	476764	PORT WASHINGTON, WI	4323N	8752W	600	9	1948-2001	
089	476772	PORT WING, WI	4647N	9123W	651	1	1948-2001	
090	476827	PRAIRIE DU CHIEN, WI	4302N	9109W	658	7	1948-2001	
091	476838	PRAIRIE DU SAC 2 N, WI	4319N	8944W	780	7	1947-2001	
092	476859	PRENTICE NO. 2, WI	4531N	9017W	1,540	2	1948-2001	
093	476922	RACINE, WI	4242N	8747W	595	9	1948-2001	
094	477052	REEDSBURG, WI	4332N	9001W	905	7	1948-2001	
095	477092	REST LAKE, WI	4607N	8953W	1,610	2	1948-2001	
096	477113	RHINELANDER, WI	4537N	8925W	1,580	2	1948-2001	
097	477132	RICE LAKE, WI	4525N	9147W	1,103	1	1948-2001	
098	477158	RICHLAND CENTER, WI	4319N	9023W	723	7	1948-2001	
099	477174	RIDGELAND 1 NNE, WI	4513N	9153W	960	4	1948-2001	
100	477226	RIVER FALLS, WI	4451N	9237W	915	4	1948-2001	
101	477349	ROSHOLT 9 NNE, WI	4445N	8914W	1,160	5	1948-2001	
102	477464	ST CROIX FALLS, WI	4525N	9239W	770	1	1950-2001	
103	477480	ST GERMAIN 2 E, WI	4554N	8926W	1,645	2	1971-2001	
104	477708	SHAWANO 2 SSW, WI	4445N	8837W	810	3	1948-2001	
105	477725	SHEBOYGAN, WI	4345N	8743W	648	6	1948-2001	

106	477892	SOLON SPRINGS, WI	4621N	9149W	1,080	1	1920-2001	
107	477997	SPARTA, WI	4356N	9049W	782	4	1948-2001	
108	478027	SPOONER EXPERMNT FARM, WI	4549N	9153W	1,100	1	1911-2001	
109	478110	STANLEY, WI	4458N	9056W	1,090	1	1948-2001	
110	478171	STEVENS POINT, WI	4430N	8935W	1,079	5	1948-2001	
111	478229	STOUGHTON, WI	4237N	8945W	840	8	1948-2001	
112	478267	STURGEON BAY EXP FARM, WI	4452N	8720W	656	6	1905-2001	
113	478349	SUPERIOR, WI	4642N	9201W	630	1	1948-2001	
114	478589	TREMPEALEAU DAM 6, WI	4400N	9126W	660	4	1948-2001	
115	478672	TWO RIVERS, WI	4408N	8734W	599	6	1950-2001	
116	478827	VIROQUA 2 S, WI	4332N	9052W	1,160	7	1901-2001	
117	478905	WASHINGTON ISLAND, WI	4522N	8656W	600	6	1948-2001	
118	478919	WATERTOWN, WI	4311N	8844W	825	8	1924-2001	
119	478937	WAUKESHA, WI	4301N	8814W	830	9	1948-2001	
120	478951	WAUPACA, WI	4421N	8904W	871	5	1948-2001	
121	478968	WAUSAU AP, WI	4456N	8938W	1,196	2	1948-2001	AUW
122	479046	WEST ALLIS, WI	4301N	8800W	723	9	1951-2001	
123	479050	WEST BEND, WI	4322N	8805W	940	9	1924-2001	
124	479144	WEYERHAUSER, WI	4525N	9125W	1,195	1	1948-2001	
125	479190	WHITEWATER, WI	4251N	8844W	875	9	1948-2001	
126	479236	WILLOW RESERVOIR, WI	4542N	8951W	1,560	2	1948-2001	
127	479304	WINTER, WI	4549N	9101W	1,397	1	1948-2001	
128	479319	WISCONSIN DELLS, WI	4337N	8946W	835	8	1948-2001	
129	479335	WISCONSIN RAPIDS, WI	4423N	8948W	1,040	5	1948-2001	

Climatography of the United States

No. 20

1971-2000

Station: ALMA DAM 4, WI

COOP ID: 470124

Climate Division: WI 4

NWS Call Sign:

Elevation: 670 Feet

Lat: 44°20N

Lon: 91°56W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	23.4	7.3	15.4	55	1981	25	27.6	1990	-38	1996	31	2.2	1977	1539	0	.0	.0	.1	22.3	30.6	11.3
Feb	30.3	13.7	22.0	62	2000	26	34.5	1998	-35	1996	3	10.0	1979	1205	0	.0	.0	.9	14.8	26.8	6.6
Mar	41.8	25.6	33.7	80	1986	29	41.6	1973	-27	1962	1	26.2	1975	970	0	.0	.0	7.4	5.9	23.1	1.3
Apr	57.3	38.3	47.8	89+	1985	18	55.7	1977	7	1995	4	41.2	1975	520	5	.0	.0	22.8	.4	8.7	.0
May	70.0	50.3	60.2	92	1969	27	69.4	1977	24+	1989	6	55.0	1997	208	58	.0	.1	30.8	.0	.5	.0
Jun	78.6	59.3	69.0	101	1956	11	73.6	1971	36	2000	17	64.6	1982	32	151	.0	1.9	30.0	.0	.0	.0
Jul	82.5	64.2	73.4	100+	1995	13	77.1+	1977	43	1970	20	67.2	1992	8	267	.1	3.9	31.0	.0	.0	.0
Aug	79.8	62.3	71.1	101	2001	7	76.5	1983	42	1950	20	66.9	1992	18	205	.0	2.0	31.0	.0	.0	.0
Sep	70.7	53.7	62.2	97	1978	7	68.4	1998	25	1984	26	56.7	1993	131	47	.0	.2	29.8	.0	.3	.0
Oct	58.3	42.3	50.3	91	1997	4	56.0	1971	18+	1999	24	44.8	1988	460	3	.0	@	26.2	@	5.9	.0
Nov	40.6	28.4	34.5	78	1950	1	41.0	1990	-10	1977	26	27.0	1991	915	0	.0	.0	8.2	5.8	21.3	.4
Dec	27.3	14.6	21.0	64	1982	2	30.1	1998	-32	1983	24	7.4	1983	1366	0	.0	.0	.5	18.7	29.8	6.0
Ann	55.1	38.3	46.7	101+	Aug 2001	7	77.1+	Jul 1977	-38	Jan 1996	31	2.2	Jan 1977	7372	736	.1	8.1	218.7	67.9	147.0	25.6

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

001-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: ALMA DAM 4, WI

COOP ID: 470124

Climate Division: WI 4

NWS Call Sign:

Elevation: 670 Feet

Lat: 44°20N

Lon: 91°56W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.00	.90	1.50	1973	4	2.10	1996	.08	1981	7.4	3.5	.3	@	.23	.32	.47	.60	.73	.87	1.02	1.21	1.45	1.83	2.20
Feb	.66	.57	1.32	1998	27	2.53	1998	.05	1987	5.3	2.4	.2	@	.09	.15	.24	.33	.43	.54	.66	.81	1.01	1.34	1.66
Mar	1.76	1.38	1.70	1966	23	3.66	1976	.25	1994	7.6	4.5	1.1	.2	.46	.63	.88	1.10	1.32	1.56	1.81	2.12	2.52	3.14	3.73
Apr	3.32	2.76	2.22	1975	28	8.16	1999	.73	1971	10.0	6.8	2.1	.8	.94	1.25	1.73	2.15	2.55	2.97	3.44	4.00	4.71	5.84	6.89
May	3.81	3.24	3.35	1970	28	7.08	1991	.93	1992	10.4	8.0	2.8	.8	1.35	1.71	2.23	2.67	3.08	3.51	3.98	4.52	5.22	6.29	7.27
Jun	4.49	3.67	3.73	1990	13	10.91	1998	1.34	1983	10.9	7.9	3.0	1.2	1.14	1.57	2.22	2.80	3.37	3.97	4.64	5.43	6.47	8.10	9.64
Jul	5.18	4.37	5.91	1991	22	12.75	1978	.68	1980	10.0	7.7	3.4	1.4	1.11	1.59	2.35	3.04	3.73	4.47	5.30	6.29	7.61	9.70	11.68
Aug	4.79	4.72	3.75	1952	16	9.44	1998	.30	1971	10.0	8.1	3.1	1.3	1.38	1.84	2.52	3.12	3.70	4.30	4.97	5.76	6.77	8.37	9.86
Sep	4.13	3.80	3.94	1978	13	10.68	1986	.25	1979	9.2	7.0	2.6	1.1	.71	1.07	1.68	2.24	2.82	3.45	4.17	5.04	6.21	8.09	9.89
Oct	2.37	2.30	5.35	1966	15	6.23	1979	.29	1976	7.9	5.3	1.5	.4	.64	.86	1.20	1.50	1.80	2.11	2.45	2.86	3.40	4.23	5.01
Nov	2.24	1.90	2.60	1975	10	8.39	1991	.00	1976	7.2	4.5	1.6	.4	.15	.38	.74	1.07	1.41	1.79	2.23	2.77	3.49	4.68	5.82
Dec	.94	.94	1.48	1965	12	2.21	1982	.00	1989	6.4	3.3	.2	.1	.12	.24	.40	.53	.67	.81	.97	1.16	1.41	1.81	2.19
Ann	34.69	34.47	5.91	Jul 1991	22	12.75	Jul 1978	.00+	Dec 1989	102.3	69.0	21.9	7.7	23.24	25.41	28.21	30.35	32.27	34.14	36.07	38.22	40.85	44.67	48.01

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: ALMA DAM 4, WI

COOP ID: 470124

Climate Division: WI 4

NWS Call Sign:

Elevation: 670 Feet

Lat: 44°20N

Lon: 91°56W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	11.6	10.6	7	#	11.0	1971	4	26.2	1971	24	1996	31	14+	1997	5.9	4.2	1.2	.4	.1	27.1	17.9	12.7	5.1
Feb	5.5	4.0	8	6	8.0	1983	3	13.0	1971	29	1979	21	24	1979	3.2	2.3	.6	.2	.0	20.7	16.2	12.8	5.3
Mar	7.2	7.0	3	2	12.0	1985	4	20.1	1984	16+	1986	2	11	1978	2.9	2.6	.9	.4	.1	10.6	7.8	5.5	2.5
Apr	1.3	.0	#	0	6.0	1973	9	11.0	1973	9	1973	10	1	1980	.6	.5	.2	@	.0	1.0	.4	.1	.0
May	#	.0	#	0	#	1989	7	#+	1989	#+	1997	8	#+	1997	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.0	.0	#	0	1.0	1981	25	1.0	1981	1	1981	25	#	1981	@	@	.0	.0	.0	@	.0	.0	.0
Nov	2.8	1.0	1	#	11.0	1991	24	12.5	1985	15	1991	29	5	1991	1.7	1.5	.4	.1	@	4.2	2.3	1.1	.2
Dec	8.1	6.0	4	2	8.0	1985	2	24.0	1990	23+	2000	31	18	1985	4.7	3.9	.9	.4	.0	19.3	12.0	7.1	2.6
Ann	36.5	28.6	N/A	N/A	12.0	Mar 1985	4	26.2	Jan 1971	29	Feb 1979	21	24	Feb 1979	19.0	15.0	4.2	1.5	.2	82.9	56.6	39.3	15.7

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: ALMA DAM 4, WI

COOP ID: 470124

Climate Division: WI 4

NWS Call Sign:

Elevation: 670 Feet

Lat: 44° 20N

Lon: 91° 56W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/26	5/20	5/15	5/11	5/07	5/03	4/29	4/24	4/18
32	5/08	5/03	4/29	4/26	4/23	4/20	4/17	4/14	4/09
28	5/01	4/25	4/21	4/18	4/14	4/11	4/07	4/03	3/28
24	4/18	4/14	4/11	4/08	4/05	4/03	3/31	3/28	3/24
20	4/11	4/06	4/03	4/01	3/29	3/26	3/24	3/21	3/16
16	4/03	3/30	3/26	3/23	3/20	3/18	3/15	3/11	3/07
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/17	9/21	9/24	9/26	9/29	10/01	10/03	10/06	10/10
32	9/22	9/28	10/02	10/05	10/08	10/11	10/14	10/18	10/24
28	10/03	10/08	10/12	10/16	10/19	10/22	10/26	10/30	11/05
24	10/19	10/23	10/27	10/29	11/01	11/04	11/06	11/10	11/14
20	10/26	11/01	11/05	11/08	11/11	11/14	11/17	11/21	11/27
16	11/03	11/09	11/13	11/16	11/20	11/23	11/27	12/01	12/06
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	166	159	153	148	144	140	135	129	122
32	191	183	177	172	167	162	157	151	143
28	214	205	198	192	187	182	176	169	160
24	227	221	216	212	209	205	201	197	190
20	246	239	234	230	226	222	218	213	206
16	267	259	253	248	244	239	234	228	220

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: ALMA DAM 4, WI

COOP ID: 470124

Climate Division: WI 4 NWS Call Sign: Elevation: 670 Feet Lat: 44°20N Lon: 91°56W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1539	1205	970	520	208	32	8	18	131	460	915	1366	7372
60	1384	1065	815	382	119	7	0	2	55	316	765	1211	6121
57	1291	981	722	306	79	2	0	0	27	241	675	1118	5442
55	1229	925	661	260	58	1	0	0	15	196	616	1056	5017
50	1074	790	516	160	23	0	0	0	3	104	473	901	4044
32	557	353	126	7	0	0	0	0	0	2	102	410	1557

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	41	72	179	481	872	1110	1282	1210	906	568	177	67	6965
55	0	0	1	44	217	420	569	497	231	49	1	0	2029
57	0	0	0	31	176	362	507	435	183	32	0	0	1726
60	0	0	0	16	123	276	414	344	120	15	0	0	1308
65	0	0	0	5	58	151	267	205	47	3	0	0	736
70	0	0	0	1	21	63	141	98	11	0	0	0	335

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	4	55	264	620	864	1025	961	665	336	58	3	0	4	59	323	943	1807	2832	3793	4458	4794	4852	4855
45	0	1	21	159	467	714	870	806	516	209	22	1	0	1	22	181	648	1362	2232	3038	3554	3763	3785	3786
50	0	0	7	85	321	565	715	651	373	117	7	0	0	0	7	92	413	978	1693	2344	2717	2834	2841	2841
55	0	0	0	41	197	415	560	496	243	50	1	0	0	0	0	41	238	653	1213	1709	1952	2002	2003	2003
60	0	0	0	12	104	274	405	342	137	19	0	0	0	0	0	12	116	390	795	1137	1274	1293	1293	1293
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	28	157	375	568	700	642	402	182	28	0	0	1	29	186	561	1129	1829	2471	2873	3055	3083	3083

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: AMERY, WI

COOP ID: 470175

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,070 Feet Lat: 45° 18N

Lon: 92° 22W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	19.4	-8	9.3	54	1981	25	22.8	1990	-46	1977	9	-5.2	1977	1729	0	.0	.0	.1	25.9	30.9	16.4
Feb	26.5	5.8	16.2	57	1981	19	31.0	1998	-38+	1996	2	5.3	1979	1368	0	.0	.0	.4	18.1	27.8	10.7
Mar	38.2	19.2	28.7	80	1986	30	38.1	2000	-40	1962	1	19.3	1975	1125	0	.0	.0	4.9	8.9	26.8	3.5
Apr	54.3	32.8	43.6	90	1980	22	50.5	1977	-5	1979	6	36.2	1975	645	1	.0	@	19.2	1.0	14.9	@
May	68.1	45.0	56.6	94+	1969	29	65.2	1977	18	1967	3	49.9	1983	301	40	.0	@	29.9	.0	2.5	.0
Jun	76.3	53.8	65.1	101	1970	30	70.4	1988	32	1964	1	59.1	1982	93	95	.0	1.2	30.0	.0	.0	.0
Jul	80.8	58.7	69.8	101	1988	16	73.9	1988	39	1972	4	64.1	1992	18	165	.1	2.8	31.0	.0	.0	.0
Aug	78.3	56.2	67.3	101	1988	1	72.0	1988	35+	1977	18	61.6	1977	62	132	@	1.6	31.0	.0	.0	.0
Sep	68.9	46.7	57.8	97	1976	8	64.7	1998	23+	1985	27	52.4	1974	239	24	.0	.3	29.4	.0	1.8	.0
Oct	56.5	35.0	45.8	85+	1997	4	51.2	1971	8+	1976	28	39.0	1976	597	0	.0	.0	22.9	.2	12.5	.0
Nov	38.5	22.1	30.3	73	1999	9	39.2	1999	-22	1964	30	23.5	1991	1042	0	.0	.0	5.5	9.2	26.0	1.2
Dec	24.3	6.6	15.5	61	1998	2	25.6	1997	-43	1983	19	-2	1983	1537	0	.0	.0	.3	22.9	30.8	10.4
Ann	52.5	31.8	42.2	101+	Aug 1988	1	73.9	Jul 1988	-46	Jan 1977	9	-5.2	Jan 1977	8756	457	.1	5.9	204.6	86.2	174.0	42.2

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

002-A

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

**Climatography
of the United States
No. 20
1971-2000**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: AMERY, WI

COOP ID: 470175

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,070 Feet Lat: 45°18N

Lon: 92°22W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.05	.91	1.71	1996	18	2.74	1996	.04	1981	7.7	3.2	.2	.1	.19	.28	.43	.58	.72	.88	1.06	1.28	1.58	2.05	2.50
Feb	.74	.56	1.11	1967	15	2.59	1981	.06+	1997	5.5	2.7	.2	.0	.09	.14	.25	.35	.46	.58	.72	.90	1.14	1.54	1.92
Mar	1.70	1.40	1.73	1965	1	4.24	1977	.44+	1987	7.4	4.4	1.1	.2	.38	.54	.78	1.01	1.23	1.47	1.74	2.06	2.48	3.16	3.79
Apr	2.61	2.52	3.20	1975	27	6.44	1975	.09	1987	8.8	6.0	1.7	.4	.52	.75	1.14	1.49	1.84	2.22	2.65	3.17	3.86	4.96	6.01
May	3.17	2.93	2.13	1988	9	6.35	1991	.50	1976	10.7	6.6	2.0	.7	1.09	1.39	1.82	2.19	2.55	2.91	3.31	3.77	4.36	5.28	6.12
Jun	4.79	4.46	4.53	1979	29	9.74	1979	1.82	1987	12.1	8.0	3.0	1.2	1.83	2.27	2.91	3.44	3.94	4.45	5.01	5.65	6.47	7.73	8.88
Jul	3.93	3.74	3.72	1992	2	8.09	1995	1.46	1974	11.2	7.3	2.6	1.0	1.48	1.84	2.37	2.81	3.22	3.65	4.11	4.65	5.33	6.37	7.33
Aug	4.64	4.03	3.75	1960	28	9.65	1978	1.35	1976	10.0	6.8	2.8	1.3	1.54	1.98	2.63	3.17	3.70	4.24	4.84	5.53	6.42	7.80	9.07
Sep	3.69	3.11	4.08	1991	8	9.21	1991	1.33	1998	10.6	6.3	2.4	1.0	1.08	1.43	1.95	2.41	2.85	3.32	3.83	4.43	5.21	6.43	7.57
Oct	2.39	2.21	2.09	1968	9	5.15	1995	.41	1976	9.2	5.3	1.6	.3	.59	.82	1.17	1.48	1.78	2.11	2.47	2.90	3.46	4.34	5.17
Nov	2.09	1.66	2.20	1996	16	5.57	1996	.15	1976	7.9	4.4	1.3	.4	.31	.49	.79	1.08	1.38	1.71	2.09	2.56	3.18	4.20	5.18
Dec	1.13	1.12	1.51	1982	25	3.07	1982	.25	1974	8.0	3.4	.5	.1	.23	.33	.50	.65	.80	.96	1.15	1.37	1.66	2.13	2.58
Ann	31.93	32.24	4.53	Jun 1979	29	9.74	Jun 1979	.04	Jan 1981	109.1	64.4	19.4	6.7	21.55	23.52	26.06	28.00	29.74	31.42	33.17	35.11	37.48	40.93	43.93

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

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Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: AMERY, WI

COOP ID: 470175

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,070 Feet

Lat: 45° 18N

Lon: 92° 22W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	10.4	9.9	9	10	11.4	1982	23	18.3	1975	29+	1982	31	19	1979	5.8	4.0	1.2	.4	@	28.9	28.3	21.1	8.9
Feb	6.5	5.0	11	9	7.0	1990	16	17.5	1971	40	1979	16	30	1979	3.7	2.7	.7	.2	.0	26.3	24.2	20.7	8.6
Mar	8.9	7.1	5	4	14.0	1985	4	32.0	1985	27	1979	7	18	1979	3.0	2.2	1.1	.6	@	15.1	12.7	10.5	3.7
Apr	2.2	.5	#	#	9.0	1984	30	18.6	1983	12	1983	15	3	1975	.8	.6	.2	.1	.0	1.2	.8	.4	@
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.5	.0	#	0	4.0	1987	22	4.0+	1992	4	1987	22	#+	1997	.3	.2	.1	.0	.0	.2	.1	.0	.0
Nov	5.0	4.5	1	1	14.0	1991	30	14.0	1991	18	1991	30	6	1991	2.8	2.3	.8	.3	.1	6.3	3.3	1.4	.2
Dec	9.6	8.6	5	4	12.0	1982	28	18.0+	1985	20	1996	31	12	1996	5.4	3.8	.9	.4	@	24.3	19.9	12.1	5.1
Ann	43.1	35.6	N/A	N/A	14.0+	Nov 1991	30	32.0	Mar 1985	40	Feb 1979	16	30	Feb 1979	21.8	15.8	5.0	2.0	.1	102.3	89.3	66.2	26.5

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

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Climatography of the United States

No. 20 1971-2000

Station: AMERY, WI

COOP ID: 470175

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,070 Feet

Lat: 45° 18N

Lon: 92° 22W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/13	6/06	6/02	5/29	5/26	5/22	5/18	5/14	5/08
32	5/26	5/20	5/16	5/13	5/10	5/07	5/03	4/29	4/24
28	5/10	5/05	5/01	4/28	4/25	4/22	4/19	4/15	4/10
24	4/28	4/23	4/20	4/18	4/15	4/12	4/10	4/07	4/02
20	4/20	4/15	4/12	4/10	4/07	4/05	4/02	3/30	3/26
16	4/14	4/09	4/05	4/01	3/29	3/26	3/23	3/19	3/14
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/31	9/05	9/09	9/12	9/15	9/18	9/21	9/25	9/30
32	9/14	9/19	9/22	9/24	9/27	9/29	10/02	10/05	10/09
28	9/22	9/26	9/30	10/02	10/05	10/08	10/11	10/14	10/19
24	10/04	10/10	10/14	10/17	10/20	10/23	10/27	10/31	11/05
20	10/13	10/18	10/22	10/25	10/28	10/31	11/04	11/07	11/13
16	10/21	10/27	10/31	11/04	11/08	11/11	11/15	11/20	11/26
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	136	127	122	117	112	107	102	96	88
32	159	153	148	143	139	135	131	126	119
28	186	178	172	167	163	158	153	147	139
24	210	202	197	192	187	183	178	173	165
20	223	216	211	207	203	199	195	190	183
16	250	241	234	228	223	217	212	205	196

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: AMERY, WI

COOP ID: 470175

Climate Division: WI 1 NWS Call Sign: Elevation: 1,070 Feet Lat: 45°18N Lon: 92°22W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1729	1368	1125	645	301	93	18	62	239	597	1042	1537	8756
60	1574	1228	970	500	195	36	2	20	134	446	892	1382	7379
57	1481	1144	877	416	143	18	0	8	86	360	802	1289	6624
55	1419	1088	816	364	113	11	0	4	61	306	742	1227	6151
50	1264	948	670	246	56	2	0	0	20	189	595	1072	5062
32	727	486	232	21	0	0	0	0	0	8	172	553	2199

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	22	42	130	368	762	993	1170	1092	775	434	121	39	5948
55	0	0	0	21	162	313	457	383	145	19	0	0	1500
57	0	0	0	13	130	261	395	326	110	11	0	0	1246
60	0	0	0	6	89	189	304	244	68	4	0	0	904
65	0	0	0	1	40	95	165	132	24	0	0	0	457
70	0	0	0	0	15	34	68	55	6	0	0	0	178

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	26	183	525	761	933	854	548	229	31	0	0	0	26	209	734	1495	2428	3282	3830	4059	4090	4090
45	0	0	11	105	378	611	778	699	401	131	12	0	0	0	11	116	494	1105	1883	2582	2983	3114	3126	3126
50	0	0	3	55	247	461	623	544	271	64	2	0	0	0	3	58	305	766	1389	1933	2204	2268	2270	2270
55	0	0	0	23	143	317	468	392	160	25	0	0	0	0	0	23	166	483	951	1343	1503	1528	1528	1528
60	0	0	0	9	74	192	316	245	79	4	0	0	0	0	0	9	83	275	591	836	915	919	919	919
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	18	121	319	482	616	553	327	140	17	0	0	0	18	139	458	940	1556	2109	2436	2576	2593	2593

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: ANTIGO, WI

COOP ID: 470239

Climate Division: WI 3

NWS Call Sign:

Elevation: 1,521 Feet Lat: 45°09N

Lon: 89°07W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	20.2	-.7	9.8	51	1973	25	21.6	1990	-39+	1982	17	-1.0	1977	1716	0	.0	.0	@	27.1	30.9	15.1
Feb	26.1	4.1	15.1	56	2000	27	26.8	1998	-38+	1996	3	6.5	1979	1396	0	.0	.0	.3	19.3	28.0	11.2
Mar	37.0	16.9	27.0	73	2000	9	36.7	2000	-23+	1997	16	19.0	1996	1180	0	.0	.0	4.0	10.0	28.3	4.4
Apr	52.4	30.3	41.4	90	1952	28	47.4	1986	-1	1975	1	35.2	1975	711	0	.0	.0	17.3	1.3	19.1	.1
May	66.6	41.2	53.9	92	1959	2	62.4	1977	19	1966	10	46.3	1997	365	22	.0	.0	29.4	.0	5.6	.0
Jun	74.9	50.2	62.6	94+	1971	27	67.1	1995	30+	1986	2	57.0	1982	121	48	.0	.5	29.9	.0	.2	.0
Jul	79.0	54.9	67.0	98	1955	26	71.1	1983	30	1972	4	61.0	1992	52	113	.0	1.5	31.0	.0	@	.0
Aug	76.4	53.4	64.9	97+	1964	2	70.1	1995	31	1965	29	61.1	1997	82	79	.0	.6	31.0	.0	.1	.0
Sep	66.5	44.3	55.4	94	1976	8	60.7	1998	21	1974	22	50.5	1993	295	6	.0	.1	29.3	.0	2.7	.0
Oct	55.0	33.8	44.4	87+	1976	2	52.0	1971	8	1976	27	39.4+	1988	639	0	.0	.0	21.7	.2	13.7	.0
Nov	38.3	21.4	29.9	71+	1990	2	37.7	1999	-14	1976	30	21.6	1995	1056	0	.0	.0	5.7	9.2	26.0	1.2
Dec	24.6	6.5	15.6	59	1982	3	23.1	1982	-35	1983	19	4.1	1983	1532	0	.0	.0	.3	23.7	30.6	9.8
Ann	51.4	29.7	40.6	98	Jul 1955	26	71.1	Jul 1983	-39+	Jan 1982	17	-1.0	Jan 1977	9145	268	.0	2.7	199.9	90.8	185.2	41.8

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

003-A

**Climatography
of the United States
No. 20
1971-2000**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: ANTIGO, WI

COOP ID: 470239

Climate Division: WI 3

NWS Call Sign:

Elevation: 1,521 Feet Lat: 45°09N

Lon: 89°07W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.87	.74	.92	1967	25	2.20	1996	.03	1981	9.5	2.8	.2	.0	.16	.24	.36	.48	.60	.73	.88	1.06	1.29	1.68	2.04
Feb	.78	.73	.97	1951	26	2.53	1971	.11	1980	7.1	2.3	.3	.0	.13	.19	.31	.42	.53	.65	.79	.95	1.18	1.55	1.90
Mar	1.64	1.38	2.28	1973	7	4.79	1977	.11	1999	8.6	4.7	.8	.2	.23	.37	.60	.83	1.07	1.33	1.64	2.01	2.51	3.33	4.11
Apr	2.61	2.47	2.86	1976	18	5.15	1976	.79	1971	11.1	6.1	1.3	.3	.91	1.16	1.52	1.82	2.10	2.40	2.72	3.10	3.58	4.32	5.01
May	3.01	3.03	2.37	1976	16	7.56	1973	1.13	1994	11.0	6.4	2.0	.5	1.16	1.44	1.84	2.17	2.48	2.80	3.15	3.55	4.07	4.85	5.57
Jun	3.67	3.52	3.16	1990	13	8.71	1990	1.07	1976	12.1	8.0	2.6	.7	1.35	1.70	2.19	2.60	3.00	3.40	3.84	4.35	4.99	5.99	6.91
Jul	3.96	3.81	4.31	1974	25	10.39	1978	.49	1998	11.0	7.1	2.1	.9	1.28	1.66	2.21	2.68	3.14	3.61	4.12	4.73	5.50	6.71	7.82
Aug	4.23	3.51	5.16	1959	22	10.04	1972	1.99	1976	11.4	7.5	3.1	1.1	1.68	2.07	2.63	3.09	3.52	3.96	4.43	4.98	5.68	6.75	7.72
Sep	4.02	4.10	2.70	1970	21	7.24	1986	.81	1979	12.2	7.0	2.7	1.0	1.37	1.75	2.30	2.77	3.22	3.69	4.19	4.79	5.54	6.72	7.80
Oct	2.60	2.52	1.83	1986	12	5.03	1995	.47	2000	10.3	5.7	1.5	.6	.85	1.09	1.46	1.77	2.07	2.37	2.71	3.11	3.62	4.41	5.14
Nov	2.07	1.72	1.72	1992	21	5.53	1991	.00	1997	9.9	5.1	1.2	.3	.23	.48	.82	1.12	1.42	1.75	2.11	2.55	3.13	4.06	4.95
Dec	1.17	1.12	1.35	1975	14	2.74	1972	.24	1994	9.5	3.7	.4	@	.27	.38	.55	.71	.86	1.02	1.20	1.42	1.71	2.16	2.58
Ann	30.63	31.39	5.16	Aug 1959	22	10.39	Jul 1978	.00	Nov 1997	123.7	66.4	18.2	5.6	22.77	24.32	26.29	27.77	29.08	30.35	31.64	33.07	34.80	37.30	39.44

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: ANTIGO, WI

COOP ID: 470239

Climate Division: WI 3

NWS Call Sign:

Elevation: 1,521 Feet

Lat: 45°09N

Lon: 89°07W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	13.3	12.4	10	10	11.0	1971	4	28.5	1976	23	1982	30	18	1982	8.1	5.0	1.4	.5	@	28.5	27.9	21.2	11.7
Feb	8.9	9.1	12	9	8.0	1975	25	21.0	1971	28	1996	1	23+	1979	6.0	3.7	.9	.2	.0	27.2	26.6	24.1	10.4
Mar	9.5	8.6	7	5	8.0	1997	14	22.3	1972	32	1972	9	23	1972	5.3	3.5	1.0	.4	.0	22.2	17.3	13.4	7.4
Apr	4.0	4.5	1	#	6.0	1977	5	12.5	1977	14	1972	1	5	1972	2.5	1.6	.5	.1	.0	4.6	2.2	1.2	.6
May	.5	.0	#	0	3.5	1979	6	5.0	1990	2	1990	10	#+	1997	.3	.2	.1	.0	.0	.2	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	0	0	#	1991	19	#	1991	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	1.1	.0	#	0	4.0	1988	24	5.7	1990	3	1992	16	#+	2000	.5	.4	.2	.0	.0	.5	@	.0	.0
Nov	7.1	6.5	1	1	8.0	1992	26	21.8	1991	13	1991	29	3	1992	4.1	2.9	.8	.2	.0	7.5	2.8	1.4	.2
Dec	13.7	12.0	6	5	12.0	1985	2	32.0	1985	25	1985	8	18	1985	7.8	5.6	1.6	.4	@	26.2	21.8	13.2	3.8
Ann	58.1	53.1	N/A	N/A	12.0	Dec 1985	2	32.0	Dec 1985	32	Mar 1972	9	23+	Feb 1979	34.6	22.9	6.5	1.8	@	116.9	98.6	74.5	34.1

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: ANTIGO, WI

COOP ID: 470239

Climate Division: WI 3

NWS Call Sign:

Elevation: 1,521 Feet

Lat: 45°09N

Lon: 89°07W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/20	6/15	6/12	6/09	6/06	6/03	5/31	5/27	5/23
32	6/08	6/03	5/30	5/27	5/24	5/21	5/18	5/14	5/09
28	5/20	5/15	5/12	5/09	5/06	5/03	4/30	4/27	4/22
24	5/06	5/01	4/28	4/25	4/22	4/19	4/16	4/13	4/08
20	4/23	4/18	4/15	4/12	4/09	4/06	4/03	3/30	3/25
16	4/15	4/10	4/07	4/05	4/02	3/31	3/28	3/25	3/21
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/21	8/27	8/31	9/04	9/07	9/10	9/14	9/18	9/24
32	9/07	9/11	9/15	9/17	9/20	9/23	9/25	9/29	10/03
28	9/21	9/25	9/27	9/29	10/01	10/03	10/05	10/08	10/11
24	9/25	10/02	10/06	10/11	10/15	10/18	10/23	10/27	11/03
20	10/17	10/22	10/26	10/29	10/31	11/03	11/06	11/10	11/15
16	10/27	10/30	11/02	11/05	11/07	11/09	11/11	11/14	11/18
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	115	107	102	97	92	88	83	78	70
32	139	132	127	122	118	114	109	104	97
28	165	159	155	151	147	144	140	136	130
24	198	190	184	179	175	170	166	160	152
20	227	219	214	209	205	200	196	190	183
16	235	229	225	221	218	215	211	207	201

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: ANTIGO, WI

COOP ID: 470239

Climate Division: WI 3 NWS Call Sign: Elevation: 1,521 Feet Lat: 45°09N Lon: 89°07W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1716	1396	1180	711	365	121	52	82	295	639	1056	1532	9145
60	1561	1256	1025	564	244	48	12	24	170	486	906	1377	7673
57	1468	1172	932	478	184	23	4	9	110	398	816	1284	6878
55	1406	1116	870	422	150	13	0	4	79	342	756	1222	6380
50	1251	976	716	294	80	3	0	0	27	218	607	1067	5239
32	704	490	246	30	1	0	0	0	0	11	170	540	2192

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	11	18	89	309	681	917	1083	1019	701	396	104	30	5358
55	0	0	0	11	117	240	370	310	90	14	0	0	1152
57	0	0	0	7	89	190	313	254	61	8	0	0	922
60	0	0	0	3	56	125	227	176	31	3	0	0	621
65	0	0	0	0	22	48	113	79	6	0	0	0	268
70	0	0	0	0	7	11	39	23	0	0	0	0	80

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	18	146	452	686	843	785	494	206	31	1	0	0	18	164	616	1302	2145	2930	3424	3630	3661	3662
45	0	0	6	82	310	537	688	630	351	118	9	0	0	0	6	88	398	935	1623	2253	2604	2722	2731	2731
50	0	0	0	41	190	390	533	475	222	54	1	0	0	0	0	41	231	621	1154	1629	1851	1905	1906	1906
55	0	0	0	16	101	254	378	325	123	20	0	0	0	0	0	16	117	371	749	1074	1197	1217	1217	1217
60	0	0	0	6	47	137	234	189	56	3	0	0	0	0	0	6	53	190	424	613	669	672	672	672
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	13	107	286	425	544	500	295	127	15	0	0	0	13	120	406	831	1375	1875	2170	2297	2312	2312

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: APPLETON, WI

COOP ID: 470265

Climate Division: WI 6

NWS Call Sign:

Elevation: 750 Feet

Lat: 44° 15N

Lon: 88° 22W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	24.1	7.8	16.0	50	1989	23	26.9	1990	-30	1951	30	4.6	1977	1520	0	.0	.0	@	22.8	30.6	9.8
Feb	29.4	12.7	21.1	59	2000	26	31.3	1998	-29	1996	3	11.4	1979	1230	0	.0	.0	.4	16.6	27.2	5.5
Mar	40.2	22.8	31.5	78	1986	29	39.4	2000	-21	1962	1	24.7	1996	1039	0	.0	.0	5.8	7.1	25.8	1.1
Apr	54.4	34.6	44.5	89	1980	22	50.4	1987	7	1979	6	39.1	1975	617	1	.0	.0	19.4	.5	12.0	.0
May	68.3	46.5	57.4	94	1988	31	65.1	1977	23	1966	9	49.6	1997	281	45	.0	.2	30.1	.0	1.3	.0
Jun	77.1	56.2	66.7	101	1988	20	71.3	1987	35	1994	2	61.5	1982	62	111	.1	1.7	30.0	.0	.0	.0
Jul	81.4	61.7	71.6	102	1995	13	76.2	1988	43	1992	21	66.8	1992	15	217	.1	3.2	31.0	.0	.0	.0
Aug	78.7	60.0	69.4	103	1988	16	75.3	1988	41	1967	22	64.8	1997	30	164	.1	1.3	31.0	.0	.0	.0
Sep	70.2	51.2	60.7	95+	1955	9	64.7	1998	25	1993	30	54.4	1993	161	32	.0	.1	29.8	.0	.5	.0
Oct	57.5	39.7	48.6	89	1963	6	56.0	1971	15	1992	19	44.2	1988	509	2	.0	.0	24.9	@	6.2	.0
Nov	41.9	27.3	34.6	73+	1999	9	41.2	1975	-7	1976	29	26.1	1995	913	0	.0	.0	6.9	5.6	21.3	.2
Dec	28.9	14.4	21.7	61	1998	3	30.2	1982	-23	1989	21	10.2	1985	1344	0	.0	.0	.6	18.3	29.8	5.1
Ann	54.3	36.2	45.3	103	Aug 1988	16	76.2	Jul 1988	-30	Jan 1951	30	4.6	Jan 1977	7721	572	.3	6.5	209.9	70.9	154.7	21.7

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

004-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: APPLETON, WI

COOP ID: 470265

Climate Division: WI 6

NWS Call Sign:

Elevation: 750 Feet

Lat: 44°15N

Lon: 88°22W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.19	1.23	1.23	1980	16	2.57	1982	.04	1981	9.1	3.5	.4	@	.26	.37	.55	.70	.86	1.03	1.22	1.45	1.74	2.22	2.66
Feb	1.04	.94	1.87	1966	8	3.66	1981	.19	1978	7.3	2.8	.4	.1	.19	.28	.43	.58	.72	.88	1.05	1.27	1.55	2.01	2.45
Mar	2.05	2.02	1.85	1998	31	4.70	1979	.14	1978	9.4	4.6	1.5	.3	.36	.54	.84	1.12	1.41	1.72	2.07	2.49	3.06	3.97	4.85
Apr	2.84	2.77	2.30	1981	3	5.54	1981	.47	1997	11.0	6.4	1.9	.5	1.06	1.32	1.71	2.02	2.32	2.63	2.97	3.35	3.85	4.61	5.30
May	3.10	3.13	2.96	1954	31	7.83	1973	.22	1988	10.5	6.3	2.2	.7	.69	.98	1.43	1.84	2.25	2.69	3.18	3.76	4.53	5.75	6.90
Jun	3.56	2.58	4.18	1990	23	9.07	1990	.64	1976	10.5	6.7	2.3	.8	.92	1.26	1.77	2.23	2.68	3.15	3.67	4.30	5.11	6.39	7.59
Jul	3.31	3.03	3.29	1952	2	8.21	1994	.60	1998	10.5	5.9	2.3	.7	1.13	1.44	1.90	2.29	2.66	3.04	3.46	3.94	4.57	5.53	6.42
Aug	3.90	3.13	3.70	1975	28	10.30	1995	.50	1976	11.3	7.7	2.6	.9	.98	1.34	1.91	2.41	2.91	3.43	4.02	4.71	5.62	7.05	8.40
Sep	3.23	2.64	2.67	1986	11	9.15	1986	.45	1976	10.2	6.4	2.1	.8	.59	.87	1.35	1.78	2.23	2.72	3.27	3.94	4.82	6.25	7.61
Oct	2.29	2.21	2.85	1967	24	5.30	1984	.44	1975	9.8	5.2	1.3	.4	.66	.88	1.21	1.49	1.77	2.06	2.38	2.76	3.24	4.01	4.72
Nov	2.27	1.99	2.15	1985	1	5.87	1985	.04	1976	9.5	4.8	1.4	.4	.42	.63	.96	1.27	1.58	1.92	2.30	2.76	3.38	4.36	5.30
Dec	1.38	1.27	1.55	1959	27	3.14	1982	.15	1994	9.5	3.9	.6	@	.28	.41	.61	.80	.98	1.18	1.41	1.68	2.04	2.62	3.17
Ann	30.16	30.53	4.18	Jun 1990	23	10.30	Aug 1995	.04+	Jan 1981	118.6	64.2	19.0	5.6	23.13	24.53	26.30	27.63	28.80	29.92	31.07	32.34	33.86	36.05	37.92

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: APPLETON, WI

COOP ID: 470265

Climate Division: WI 6

NWS Call Sign:

Elevation: 750 Feet

Lat: 44° 15N

Lon: 88° 22W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	12.2	9.3	7	6	11.5	1996	27	29.9	1994	30	1979	24	20	1979	7.9	4.1	1.3	.5	@	25.3	20.0	16.0	7.3
Feb	8.3	8.2	7	6	7.5	1971	22	20.5	1975	31	1979	21	26	1979	5.9	2.9	.8	.2	.0	21.9	17.8	13.2	7.3
Mar	8.0	7.5	3	2	13.5	1997	14	21.2	1972	23	1979	2	14	1979	4.7	2.7	.8	.2	@	12.0	8.0	5.5	3.1
Apr	2.6	.5	#	#	8.0	1977	4	11.0	1985	8	1977	5	1	1985	1.3	1.0	.3	.1	.0	1.5	.3	.2	.0
May	.2	.0	#	0	4.3	1990	11	5.3	1990	2	1990	11	#+	1994	.1	.1	@	.0	.0	.1	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.2	.0	#	0	2.0	1989	20	2.0+	1989	1	1989	20	#+	2000	.2	.1	.0	.0	.0	.1	.0	.0	.0
Nov	4.1	2.5	#	#	7.8	1986	20	13.8	1977	9	1971	29	2	1985	3.4	1.6	.4	.1	.0	4.4	1.4	.6	.0
Dec	10.1	9.1	3	3	12.0	1990	4	25.5	2000	19	1985	27	15	1985	7.2	3.5	1.0	.5	@	19.4	12.7	7.8	2.5
Ann	45.7	37.1	N/A	N/A	13.5	Mar 1997	14	29.9	Jan 1994	31	Feb 1979	21	26	Feb 1979	30.7	16.0	4.6	1.6	@	84.7	60.2	43.3	20.2

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: APPLETON, WI

COOP ID: 470265

Climate Division: WI 6

NWS Call Sign:

Elevation: 750 Feet

Lat: 44° 15N

Lon: 88° 22W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/26	5/21	5/18	5/15	5/12	5/09	5/07	5/03	4/28
32	5/18	5/14	5/10	5/07	5/04	5/02	4/29	4/25	4/20
28	5/06	5/01	4/28	4/25	4/22	4/19	4/16	4/13	4/08
24	4/20	4/15	4/12	4/09	4/07	4/04	4/01	3/29	3/25
20	4/13	4/08	4/05	4/02	3/30	3/27	3/24	3/21	3/16
16	4/09	4/04	3/31	3/28	3/25	3/22	3/19	3/16	3/11
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/16	9/20	9/23	9/26	9/28	10/01	10/03	10/06	10/11
32	9/22	9/27	10/01	10/04	10/07	10/10	10/13	10/17	10/22
28	9/30	10/07	10/12	10/16	10/20	10/23	10/27	11/01	11/08
24	10/16	10/21	10/25	10/28	10/31	11/03	11/06	11/10	11/15
20	10/29	11/02	11/05	11/08	11/10	11/13	11/15	11/18	11/22
16	11/04	11/09	11/13	11/16	11/19	11/22	11/26	11/29	12/05
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	157	150	146	142	138	135	131	126	120
32	178	170	165	160	155	150	146	140	132
28	207	198	191	185	180	174	169	162	153
24	225	219	214	210	207	203	199	194	188
20	243	237	232	228	224	221	217	212	205
16	261	253	247	243	238	234	229	223	216

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States**
No. 20
1971-2000

Station: APPLETON, WI

COOP ID: 470265

Climate Division: WI 6 NWS Call Sign: Elevation: 750 Feet Lat: 44°15N Lon: 88°22W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1520	1230	1039	617	281	62	15	30	161	509	913	1344	7721
60	1365	1090	884	471	179	20	1	6	71	360	763	1189	6399
57	1272	1006	791	388	130	8	0	1	38	279	673	1096	5682
55	1210	950	729	335	102	4	0	0	23	230	613	1034	5230
50	1055	810	577	217	49	1	0	0	4	128	469	879	4189
32	528	346	148	11	0	0	0	0	0	2	96	384	1515

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	31	40	132	385	788	1039	1226	1157	861	518	173	63	6413
55	0	0	0	20	176	354	513	444	194	32	0	0	1733
57	0	0	0	12	142	297	451	383	149	19	0	0	1453
60	0	0	0	6	99	219	359	295	92	8	0	0	1078
65	0	0	0	1	45	111	217	164	32	2	0	0	572
70	0	0	0	0	17	41	108	73	6	0	0	0	245

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	1	37	197	550	808	989	917	627	297	52	2	0	1	38	235	785	1593	2582	3499	4126	4423	4475	4477
45	0	1	17	109	405	658	834	762	480	176	20	0	0	1	18	127	532	1190	2024	2786	3266	3442	3462	3462
50	0	0	8	57	262	508	679	607	336	92	5	0	0	0	8	65	327	835	1514	2121	2457	2549	2554	2554
55	0	0	0	23	155	362	524	452	212	40	0	0	0	0	0	23	178	540	1064	1516	1728	1768	1768	1768
60	0	0	0	11	85	230	370	302	115	9	0	0	0	0	0	11	96	326	696	998	1113	1122	1122	1122
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	23	118	328	514	664	601	373	151	23	0	0	1	24	142	470	984	1648	2249	2622	2773	2796	2796

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: ARBORETUM UNIV WIS, WI

COOP ID: 470273

Climate Division: WI 8

NWS Call Sign:

Elevation: 865 Feet

Lat: 43°03N

Lon: 89°24W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	27.3	5.0	16.2	55	1981	25	28.7	1990	-33	1979	11	2.2	1977	1514	0	.0	.0	.6	20.5	30.8	11.8
Feb	33.0	9.6	21.3	66	2000	26	32.2	1998	-38	1996	3	9.8	1979	1223	0	.0	.0	1.9	14.3	27.4	7.8
Mar	44.5	21.6	33.1	82	1986	30	41.2	2000	-12	1982	6	24.8	1975	990	0	.0	.0	8.8	4.7	26.6	1.7
Apr	57.7	33.2	45.5	95	1980	23	51.8	1977	4	1982	7	39.5	1975	587	1	.0	@	21.7	.3	14.7	.0
May	70.3	44.2	57.3	93	1991	30	63.5	1977	22	1989	7	50.9	1997	273	32	.0	.4	30.6	.0	3.2	.0
Jun	79.7	53.4	66.6	104	1988	21	71.3	1971	29	1977	9	60.9	1982	59	104	.1	3.1	30.0	.0	.1	.0
Jul	83.6	57.9	70.8	101	1988	16	75.4	1983	36	1972	5	65.9	1992	11	189	.1	5.4	31.0	.0	.0	.0
Aug	81.5	55.7	68.6	108	1988	2	75.8	1995	32	1979	16	63.9	1992	44	157	.2	3.4	31.0	.0	@	.0
Sep	73.9	47.0	60.5	99	1978	9	65.5	1978	20	1974	23	55.1	1993	166	29	.0	1.0	29.9	.0	1.7	.0
Oct	61.9	35.6	48.8	93	1976	2	57.5	1971	7	1988	31	41.7	1988	508	4	.0	@	26.9	.0	12.5	.0
Nov	45.5	24.7	35.1	77	1999	9	42.7	1999	-14	1976	29	27.3	1976	897	0	.0	.0	10.6	3.4	23.0	.5
Dec	32.3	11.9	22.1	65	1998	4	31.1	1998	-28	1983	25	10.6	1983	1329	0	.0	.0	1.8	15.3	30.0	6.5
Ann	57.6	33.3	45.5	108	Aug 1988	2	75.8	Aug 1995	-38	Feb 1996	3	2.2	Jan 1977	7601	516	.4	13.3	224.8	58.5	170.0	28.3

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1971-2001

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005-A

**Climatography
of the United States
No. 20
1971-2000**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: ARBORETUM UNIV WIS, WI

COOP ID: 470273

Climate Division: WI 8

NWS Call Sign:

Elevation: 865 Feet Lat: 43°03N

Lon: 89°24W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.34	1.23	1.29	1974	27	3.00	1999	.32	1983	7.9	4.2	.6	@	.34	.47	.67	.84	1.01	1.19	1.39	1.62	1.93	2.42	2.87
Feb	1.24	1.21	1.34	2001	9	2.83	2000	.00	1995	6.5	3.6	.6	.1	.07	.19	.39	.57	.76	.98	1.23	1.53	1.95	2.63	3.29
Mar	2.38	2.10	2.85	1998	31	5.48	1998	.15	1996	8.6	5.2	1.3	.4	.30	.49	.83	1.16	1.51	1.90	2.35	2.90	3.66	4.89	6.09
Apr	3.86	3.50	2.81	1999	23	8.11	1973	1.37	1985	11.0	7.2	2.6	.8	1.47	1.83	2.34	2.77	3.18	3.59	4.04	4.56	5.22	6.24	7.17
May	3.84	3.78	3.74	2000	2	10.90	2000	.62	1992	11.0	7.3	2.6	.9	1.01	1.37	1.92	2.41	2.90	3.40	3.96	4.63	5.50	6.87	8.15
Jun	4.60	3.88	4.11	1996	17	12.07	1996	1.01	1992	9.9	7.0	2.7	1.3	.99	1.41	2.09	2.70	3.31	3.96	4.70	5.58	6.75	8.60	10.36
Jul	4.36	3.91	4.43	1977	18	10.45	1993	1.24	1976	9.6	6.3	2.9	1.2	1.45	1.86	2.47	2.98	3.48	3.99	4.54	5.20	6.03	7.33	8.53
Aug	4.10	3.52	6.00	2001	2	8.29	1972	1.49	1996	9.9	6.6	3.4	1.0	1.56	1.94	2.49	2.94	3.37	3.81	4.29	4.84	5.55	6.63	7.61
Sep	3.74	3.65	3.50	1994	24	9.44	1980	.08	1979	9.4	5.9	2.2	.9	.47	.77	1.29	1.82	2.37	2.98	3.69	4.56	5.75	7.71	9.60
Oct	2.63	2.31	2.27	1991	25	6.27	1984	.69	2000	8.9	5.7	1.8	.6	.63	.88	1.26	1.60	1.94	2.30	2.71	3.19	3.82	4.81	5.75
Nov	2.67	2.47	2.71	1971	2	6.68	1992	.16	1976	9.1	5.8	1.5	.6	.63	.88	1.27	1.62	1.97	2.34	2.75	3.24	3.89	4.91	5.87
Dec	1.79	1.72	1.88	1971	15	4.75	1987	.34	1975	8.4	4.6	.9	.3	.31	.46	.73	.97	1.22	1.50	1.81	2.19	2.69	3.51	4.29
Ann	36.55	36.49	6.00	Aug 2001	2	12.07	Jun 1996	.00	Feb 1995	110.2	69.4	23.1	8.1	27.46	29.25	31.53	33.25	34.77	36.23	37.73	39.37	41.36	44.23	46.69

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1971-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: ARBORETUM UNIV WIS, WI

COOP ID: 470273

Climate Division: WI 8

NWS Call Sign:

Elevation: 865 Feet

Lat: 43°03N

Lon: 89°24W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	5.4	-99.9	4	3	10.8	1995	20	16.3	1985	13+	1999	9	8+	1999	3.2	2.1	1.0	.3	.1	-9.9	-9.9	-9.9	-9.9
Feb	2.0	-99.9	3	2	10.0	1993	22	10.0	1993	19	1994	13	12	1994	2.1	1.5	.7	.2	.1	-9.9	-9.9	-9.9	-9.9
Mar	3.2	.0	#	#	7.0	1998	9	14.3	1998	11	1994	1	3	1998	1.2	.8	.4	.2	.0	-9.9	-9.9	-9.9	-9.9
Apr	1.5	.0	#	0	8.3	1982	6	11.9	1982	4	1993	1	#+	2000	.4	.3	.1	.1	.0	.1	.0	.0	.0
May	.0	.0	#	0	.0	0	0	.0	0	2	1994	1	#	1994	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	#	.0	#	0	#	1981	25	#	1981	3	1997	27	#+	1997	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	2.0	.0	#	0	7.5	1995	28	10.9	1986	8	1995	29	2	1995	.5	.4	.2	.1	.0	-9.9	-9.9	-9.9	-9.9
Dec	5.1	-99.9	2	1	12.0	1987	15	25.5	1987	18	2000	29	8+	2000	2.0	1.6	.4	.4	.1	-9.9	-9.9	-9.9	-9.9
Ann	19.2	-9.9	N/A	N/A	12.0	Dec 1987	15	25.5	Dec 1987	19	Feb 1994	13	12	Feb 1994	9.4	6.7	2.8	1.3	.3	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: ARBORETUM UNIV WIS, WI

COOP ID: 470273

Climate Division: WI 8

NWS Call Sign:

Elevation: 865 Feet

Lat: 43°03N

Lon: 89°24W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/18	6/12	6/07	6/04	5/31	5/28	5/24	5/20	5/14
32	6/08	5/31	5/26	5/22	5/18	5/14	5/09	5/04	4/27
28	5/18	5/13	5/09	5/06	5/03	5/01	4/27	4/24	4/19
24	5/04	4/29	4/26	4/23	4/20	4/17	4/14	4/11	4/06
20	4/23	4/18	4/16	4/13	4/11	4/08	4/06	4/03	3/30
16	4/14	4/10	4/07	4/04	4/02	3/30	3/28	3/25	3/20
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/31	9/06	9/09	9/13	9/16	9/19	9/22	9/26	10/01
32	9/09	9/15	9/19	9/22	9/25	9/28	10/02	10/06	10/11
28	9/23	9/27	9/30	10/03	10/05	10/07	10/10	10/13	10/17
24	9/29	10/05	10/10	10/13	10/17	10/20	10/24	10/28	11/03
20	10/10	10/16	10/20	10/24	10/27	10/30	11/03	11/07	11/13
16	10/20	10/25	10/30	11/02	11/06	11/09	11/13	11/17	11/23
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	131	123	117	112	107	102	97	91	82
32	160	149	142	136	130	124	117	110	100
28	175	168	162	158	154	150	145	140	133
24	203	195	189	184	179	174	169	163	155
20	219	212	207	203	199	195	191	186	179
16	237	231	226	221	217	214	209	204	198

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: ARBORETUM UNIV WIS, WI

COOP ID: 470273

Climate Division: WI 8 NWS Call Sign: Elevation: 865 Feet Lat: 43°03N Lon: 89°24W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1514	1223	990	587	273	59	11	44	166	508	897	1329	7601
60	1359	1083	835	441	166	17	0	12	75	365	747	1174	6274
57	1266	999	742	358	116	7	0	4	40	288	657	1081	5558
55	1204	943	680	306	88	4	0	1	25	241	598	1019	5109
50	1049	803	533	190	38	0	0	0	5	144	455	864	4081
32	533	358	129	7	0	0	0	0	0	5	88	370	1490

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	41	59	163	411	783	1036	1201	1136	852	524	181	64	6451
55	0	0	0	20	157	349	488	424	187	47	1	0	1673
57	0	0	0	12	123	292	426	365	143	31	0	0	1392
60	0	0	0	5	81	213	333	279	87	16	0	0	1014
65	0	0	0	1	32	104	189	157	29	4	0	0	516
70	0	0	0	0	10	35	80	72	5	0	0	0	202

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	3	56	225	546	804	963	895	623	304	67	6	0	3	59	284	830	1634	2597	3492	4115	4419	4486	4492
45	0	0	24	134	397	654	808	740	474	184	31	1	0	0	24	158	555	1209	2017	2757	3231	3415	3446	3447
50	0	0	10	72	259	506	653	586	332	98	12	0	0	0	10	82	341	847	1500	2086	2418	2516	2528	2528
55	0	0	3	34	154	359	498	431	207	48	1	0	0	0	3	37	191	550	1048	1479	1686	1734	1735	1735
60	0	0	0	15	79	227	345	282	111	17	0	0	0	0	0	15	94	321	666	948	1059	1076	1076	1076
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	43	152	347	520	639	590	401	207	47	3	0	1	44	196	543	1063	1702	2292	2693	2900	2947	2950

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: ARLINGTON UNIV FARM, WI

COOP ID: 470308

Climate Division: WI 8

NWS Call Sign:

Elevation: 1,080 Feet Lat: 43° 18N

Lon: 89° 21W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max ≥ 100	Max ≥ 90	Max ≥ 50	Max ≤ 32	Min ≤ 32	Min ≤ 0
Jan	23.0	8.4	15.7	55	1989	31	27.8	1990	-36	1994	18	2.0	1977	1528	0	.0	.0	.2	21.7	30.6	10.0
Feb	28.6	13.3	21.0	61	2000	27	33.6	1998	-30+	1996	3	9.4	1979	1235	0	.0	.0	.9	15.0	26.9	5.9
Mar	40.4	24.7	32.6	81	1986	29	40.9	2000	-9	1993	12	24.3	1975	1006	0	.0	.0	7.7	5.6	25.7	1.1
Apr	55.1	35.7	45.4	90	1980	22	51.8	1977	7	1982	6	39.2	1975	590	1	.0	@	22.4	.4	12.1	.0
May	67.6	46.6	57.1	91+	1991	29	64.4	1977	23+	1978	1	51.5	1997	278	33	.0	.1	30.7	.0	1.7	.0
Jun	77.4	55.7	66.6	100+	1988	21	71.3	1988	34+	1994	9	60.9	1982	60	106	.1	2.5	30.0	.0	.0	.0
Jul	80.7	60.3	70.5	100+	1995	13	74.5	1988	38	1965	6	65.6	1992	16	186	.1	4.1	31.0	.0	.0	.0
Aug	78.5	58.5	68.5	102	1988	16	74.6	1995	34	1986	28	63.3	1986	45	153	.2	2.1	31.0	.0	.0	.0
Sep	70.7	50.3	60.5	96	1978	8	66.1	1998	25+	1993	30	55.4	1993	168	33	.0	.5	29.9	.0	.8	.0
Oct	59.0	39.8	49.4	90	1963	6	57.3	1971	14	1992	19	44.5	1980	486	3	.0	.0	26.3	@	8.4	.0
Nov	41.6	27.4	34.5	75	1999	9	42.6	1999	-9	1976	29	27.0	1995	914	0	.0	.0	8.7	4.6	21.6	.3
Dec	28.2	15.1	21.7	63+	2001	6	30.8	1998	-26	1983	19	9.9	1983	1345	0	.0	.0	1.0	17.5	29.8	5.2
Ann	54.2	36.3	45.3	102	Aug 1988	16	74.6	Aug 1995	-36	Jan 1994	18	2.0	Jan 1977	7671	515	.4	9.3	219.8	64.8	157.6	22.5

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1962-2001

(3) Derived from 1971-2000 serially complete daily data

006-A

**Climatography
of the United States
No. 20
1971-2000**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: ARLINGTON UNIV FARM, WI

COOP ID: 470308

Climate Division: WI 8

NWS Call Sign:

Elevation: 1,080 Feet Lat: 43°18N

Lon: 89°21W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.06	.96	1.30	1965	26	2.81	1999	.13	1981	8.0	3.9	.5	.0	.24	.34	.50	.64	.78	.92	1.09	1.29	1.55	1.97	2.36
Feb	1.15	.99	1.60	1981	22	3.32	1971	.00	1987	5.8	3.7	.6	.1	.06	.17	.35	.52	.69	.89	1.12	1.41	1.80	2.44	3.07
Mar	1.99	2.04	2.41	1973	7	5.01	1973	.10	1994	8.0	5.2	1.3	.2	.29	.46	.75	1.02	1.31	1.62	1.99	2.43	3.03	4.01	4.94
Apr	3.24	3.13	2.10	1993	15	7.06	1993	.65	1997	10.4	6.9	2.1	.8	1.26	1.56	1.99	2.34	2.68	3.02	3.40	3.83	4.37	5.21	5.98
May	3.43	3.21	3.70	1978	13	10.46	2000	.33	1981	10.7	6.9	2.3	.7	.78	1.10	1.60	2.05	2.50	2.98	3.51	4.15	4.99	6.33	7.59
Jun	4.04	3.56	3.40	1978	25	8.03	1978	.61	1987	10.0	6.8	2.5	1.1	.90	1.28	1.87	2.40	2.94	3.50	4.14	4.90	5.91	7.51	9.02
Jul	3.86	3.59	5.10	1985	25	9.40	1993	1.55	1988	10.2	7.0	2.8	.7	1.44	1.80	2.32	2.75	3.16	3.58	4.03	4.56	5.23	6.27	7.22
Aug	4.24	3.68	3.85	1979	10	12.92	1980	1.02	1978	10.0	7.5	2.9	1.0	1.38	1.78	2.38	2.88	3.37	3.87	4.42	5.06	5.89	7.18	8.36
Sep	3.64	3.27	3.26	1980	22	10.73	1986	.15	1979	9.8	6.6	2.0	1.0	.49	.79	1.31	1.81	2.34	2.93	3.61	4.44	5.57	7.42	9.20
Oct	2.43	2.28	2.44	1984	19	6.75	1991	.50	1994	8.8	5.8	1.5	.3	.66	.89	1.24	1.55	1.85	2.16	2.51	2.92	3.46	4.30	5.09
Nov	2.39	2.06	2.25	1985	1	5.33	1985	.10	1976	8.7	5.6	1.4	.3	.48	.70	1.05	1.37	1.69	2.04	2.43	2.91	3.54	4.54	5.49
Dec	1.33	1.30	1.88	1982	2	4.08	1982	.13	1993	7.6	4.2	.6	.1	.22	.33	.53	.71	.90	1.11	1.34	1.63	2.01	2.63	3.23
Ann	32.80	33.36	5.10	Jul 1985	25	12.92	Aug 1980	.00	Feb 1987	108.0	70.1	20.5	6.3	25.31	26.81	28.69	30.11	31.36	32.56	33.78	35.13	36.75	39.08	41.07

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

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Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
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Station: ARLINGTON UNIV FARM, WI

COOP ID: 470308

Climate Division: WI 8

NWS Call Sign:

Elevation: 1,080 Feet

Lat: 43° 18N

Lon: 89° 21W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	8.3	6.8	6	5	8.0	1988	25	19.2	1988	33	1979	31	22	1979	5.5	4.3	1.3	.4	.0	21.7	14.9	9.7	2.2
Feb	7.2	5.0	6	4	7.0	1976	21	28.0	1994	35	1979	12	30	1979	3.9	3.0	.9	.2	.0	20.0	13.4	9.2	3.5
Mar	5.5	5.1	2	1	12.0	1971	19	14.0+	1972	20	1979	1	10	1975	3.0	2.2	.6	.1	@	9.2	6.2	4.2	.9
Apr	2.0	.5	#	#	9.5	1973	10	15.5	1973	6+	1997	13	1	1993	1.0	.7	.3	.1	.0	1.2	.5	.1	.0
May	.1	.0	0	0	3.0	1994	1	3.0	1994	0	0	0	0	0	@	@	@	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	#	0	3.0	1997	27	3.0	1997	2	1990	10	#+	1995	.1	.1	@	.0	.0	@	.0	.0	.0
Nov	4.3	3.5	1	#	6.0	1985	9	17.5	1985	12	1985	10	2+	2000	2.3	1.8	.4	.1	.0	4.1	2.2	.8	.1
Dec	8.6	8.1	4	2	14.0	1990	3	22.0	1987	25	2000	26	15+	2000	4.7	3.6	1.1	.4	.1	16.4	11.1	6.5	1.5
Ann	36.1	29.0	N/A	N/A	14.0	Dec 1990	3	28.0	Feb 1994	35	Feb 1979	12	30	Feb 1979	20.5	15.7	4.6	1.3	.1	72.6	48.3	30.5	8.2

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: ARLINGTON UNIV FARM, WI

COOP ID: 470308

Climate Division: WI 8

NWS Call Sign:

Elevation: 1,080 Feet

Lat: 43° 18N

Lon: 89° 21W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/08	6/01	5/28	5/24	5/20	5/16	5/12	5/07	4/30
32	5/20	5/15	5/11	5/08	5/05	5/02	4/29	4/26	4/20
28	5/05	4/30	4/27	4/24	4/21	4/19	4/16	4/12	4/08
24	4/23	4/19	4/16	4/13	4/11	4/08	4/06	4/03	3/30
20	4/16	4/11	4/08	4/05	4/02	3/31	3/28	3/24	3/20
16	4/11	4/05	4/02	3/29	3/26	3/23	3/20	3/16	3/11
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/11	9/15	9/19	9/21	9/24	9/26	9/29	10/02	10/07
32	9/20	9/25	9/28	10/01	10/03	10/06	10/09	10/12	10/16
28	9/25	10/02	10/07	10/11	10/15	10/18	10/22	10/27	11/03
24	10/11	10/17	10/21	10/24	10/28	10/31	11/03	11/08	11/13
20	10/23	10/28	11/01	11/04	11/07	11/10	11/14	11/18	11/23
16	10/29	11/04	11/09	11/12	11/16	11/19	11/23	11/27	12/03
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	151	142	136	131	126	121	116	110	102
32	171	164	159	154	150	146	142	137	130
28	200	192	186	180	176	171	166	159	151
24	217	211	206	203	199	196	192	188	182
20	240	232	227	223	218	214	210	204	197
16	259	251	244	239	234	229	223	217	208

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: ARLINGTON UNIV FARM, WI

COOP ID: 470308

Climate Division: WI 8 NWS Call Sign: Elevation: 1,080 Feet Lat: 43°18N Lon: 89°21W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1528	1235	1006	590	278	60	16	45	168	486	914	1345	7671
60	1373	1095	851	444	171	18	1	12	78	342	764	1190	6339
57	1280	1011	758	362	121	7	0	4	43	265	674	1097	5622
55	1218	955	696	310	92	4	0	1	27	219	615	1035	5172
50	1063	815	551	196	41	0	0	0	6	124	472	880	4148
32	546	368	145	8	0	0	0	0	0	3	100	386	1556

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	41	57	162	410	778	1036	1194	1131	855	543	176	64	6447
55	0	0	0	21	157	350	481	420	191	46	1	0	1667
57	0	0	0	13	123	293	419	360	147	30	0	0	1385
60	0	0	0	6	81	214	327	275	93	14	0	0	1010
65	0	0	0	1	33	106	186	153	33	3	0	0	515
70	0	0	0	0	10	37	84	69	7	0	0	0	207

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	3	54	238	571	826	976	916	644	328	65	4	0	3	57	295	866	1692	2668	3584	4228	4556	4621	4625
45	0	0	25	138	420	676	821	761	496	202	29	2	0	0	25	163	583	1259	2080	2841	3337	3539	3568	3570
50	0	0	11	73	281	526	666	606	351	113	7	0	0	0	11	84	365	891	1557	2163	2514	2627	2634	2634
55	0	0	3	33	166	379	511	451	225	53	2	0	0	0	3	36	202	581	1092	1543	1768	1821	1823	1823
60	0	0	0	12	82	239	357	300	124	18	0	0	0	0	0	12	94	333	690	990	1114	1132	1132	1132
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	34	153	356	531	651	598	398	190	33	2	0	0	34	187	543	1074	1725	2323	2721	2911	2944	2946

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: ASHLAND EXP FARM, WI

COOP ID: 470349

Climate Division: WI 1

NWS Call Sign:

Elevation: 650 Feet Lat: 46°34N Lon: 90°58W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	19.9	-.4	9.8	52	1973	25	20.4	1990	-41	1982	17	-1.2	1979	1715	0	.0	.0	.1	25.1	31.0	14.9
Feb	27.1	4.8	16.0	59	1984	23	30.9	1998	-40	1979	17	3.3	1979	1374	0	.0	.0	.9	17.4	27.7	10.6
Mar	36.8	17.0	26.9	80	1986	31	34.5	2000	-30+	1984	7	19.1	1984	1182	0	.0	.0	4.0	8.8	28.7	4.2
Apr	50.2	28.6	39.4	90+	1952	28	46.7	1987	-2+	1972	8	32.1	1975	768	0	.0	.0	15.4	1.0	20.7	.1
May	64.8	39.3	52.1	93+	1986	31	57.9	1998	16+	1978	1	45.6	1983	412	10	.0	.3	28.3	.0	7.8	.0
Jun	73.9	49.0	61.5	97+	1995	19	66.5	1988	28+	1982	3	56.0	1982	138	31	.0	1.1	29.8	.0	.6	.0
Jul	79.3	55.1	67.2	103	1988	27	72.5	1988	33	1969	6	61.6	1992	48	116	.2	2.6	31.0	.0	.0	.0
Aug	77.1	53.7	65.4	103	1948	24	69.4	1983	30	1967	22	60.4	1977	71	83	.0	1.8	31.0	.0	.0	.0
Sep	67.8	45.1	56.5	100	1976	7	61.4	1998	23+	1967	29	50.8	1993	267	10	@	.3	29.6	.0	2.2	.0
Oct	56.2	34.2	45.2	88	1992	2	50.8	1973	10	1988	30	39.3	1976	614	0	.0	.0	22.9	.1	12.9	.0
Nov	38.2	22.2	30.2	74+	1999	9	38.2	1999	-16	1976	28	22.2	1995	1044	0	.0	.0	5.1	8.0	25.5	.9
Dec	24.8	7.3	16.1	60+	1982	3	25.4	1997	-28+	1983	19	3.4	1983	1517	0	.0	.0	.3	20.9	30.5	8.8
Ann	51.3	29.7	40.5	103+	Jul 1988	27	72.5	Jul 1988	-41	Jan 1982	17	-1.2	Jan 1979	9150	250	.2	6.1	198.4	81.3	187.6	39.5

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

007-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: ASHLAND EXP FARM, WI

COOP ID: 470349

Climate Division: WI 1

NWS Call Sign:

Elevation: 650 Feet Lat: 46°34N

Lon: 90°58W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.26	1.31	1.30	1997	10	4.41	1996	.03	1981	9.0	3.2	.4	@	.16	.26	.44	.61	.80	1.00	1.24	1.54	1.94	2.60	3.24
Feb	.81	.62	1.50	2001	26	2.90	1981	.09	1993	7.1	2.4	.3	.0	.13	.20	.32	.43	.55	.67	.81	.98	1.21	1.59	1.94
Mar	1.86	1.53	2.44	1977	12	5.87	1977	.46	1999	8.1	3.8	1.0	.3	.50	.68	.95	1.18	1.41	1.66	1.93	2.25	2.66	3.32	3.93
Apr	2.07	2.14	4.25	2001	23	4.15	1981	.56	1988	8.7	5.2	.8	.3	.72	.92	1.20	1.44	1.67	1.91	2.16	2.46	2.85	3.44	3.99
May	2.74	2.58	2.61	1953	21	5.29	1993	.62	1990	10.5	5.8	1.8	.4	.79	1.05	1.44	1.78	2.11	2.46	2.84	3.29	3.88	4.80	5.65
Jun	3.65	3.47	3.25	1952	25	6.58	1998	1.41	1987	11.9	7.8	2.3	.7	1.56	1.89	2.35	2.73	3.08	3.44	3.83	4.27	4.83	5.68	6.45
Jul	4.03	3.57	3.48	1951	4	8.99	1982	.56	1989	10.8	6.7	2.8	1.0	.91	1.28	1.87	2.41	2.94	3.50	4.13	4.89	5.88	7.47	8.96
Aug	3.93	3.78	4.88	1978	23	8.77	1972	1.28	1996	11.1	6.5	2.3	1.0	1.45	1.82	2.35	2.79	3.21	3.64	4.11	4.65	5.34	6.40	7.37
Sep	3.70	3.21	4.70	1985	3	10.00	1985	.86	1976	12.0	7.3	1.9	.7	1.08	1.44	1.96	2.42	2.87	3.33	3.84	4.44	5.22	6.44	7.58
Oct	2.51	2.15	2.83	1950	2	5.96	1971	.65	1999	10.9	5.5	1.7	.4	.65	.89	1.25	1.57	1.89	2.22	2.59	3.02	3.60	4.50	5.34
Nov	2.36	1.74	2.36	1975	20	8.45	1975	.51	1981	9.3	4.6	1.3	.5	.38	.59	.93	1.26	1.59	1.96	2.37	2.88	3.56	4.67	5.73
Dec	1.10	1.14	1.85	1970	3	2.80	1996	.13	1979	9.6	3.4	.4	@	.20	.30	.46	.61	.77	.93	1.12	1.35	1.65	2.13	2.59
Ann	30.02	30.31	4.88	Aug 1978	23	10.00	Sep 1985	.03	Jan 1981	119.0	62.2	17.0	5.3	21.46	23.12	25.24	26.86	28.29	29.67	31.10	32.67	34.59	37.36	39.75

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: ASHLAND EXP FARM, WI

COOP ID: 470349

Climate Division: WI 1

NWS Call Sign:

Elevation: 650 Feet

Lat: 46°34N

Lon: 90°58W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	14.7	15.0	12	11	9.5	1988	12	28.3	1975	36	1996	19	23	1996	8.7	4.6	1.7	.6	.0	26.5	24.8	23.2	14.8
Feb	8.6	8.1	12	12	16.0	1990	16	21.4	1971	34+	1996	2	30	1996	6.6	3.2	.8	.3	@	23.9	22.7	21.6	16.4
Mar	9.8	8.7	8	5	13.0	1985	4	25.5	1975	30+	1996	8	25	1996	4.6	2.6	1.1	.6	.1	17.9	16.4	14.3	10.2
Apr	3.9	2.8	1	2	11.5	1985	1	12.5	1985	25	1996	4	10	1996	1.7	1.3	.5	.3	@	3.8	3.0	2.5	1.4
May	.0	.0	#	0	.3	1996	1	.3	1996	#+	1997	12	#	2000	.1	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.2	.0	#	0	2.0	1989	17	2.0	1989	1+	1982	21	#	1982	.2	.1	.0	.0	.0	.1	.0	.0	.0
Nov	6.2	5.4	1	1	12.0	1991	30	25.5	1975	17	1991	30	5	1991	4.2	2.2	.7	.2	@	7.1	3.8	2.3	.4
Dec	11.4	10.8	5	3	13.0	1995	14	20.6	1989	20+	1983	27	15+	1984	8.0	4.4	1.0	.4	@	21.0	16.4	11.4	4.6
Ann	54.8	50.8	N/A	N/A	16.0	Feb 1990	16	28.3	Jan 1975	36	Jan 1996	19	30	Feb 1996	34.1	18.4	5.8	2.4	.1	100.3	87.1	75.3	47.8

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: ASHLAND EXP FARM, WI

COOP ID: 470349

Climate Division: WI 1

NWS Call Sign:

Elevation: 650 Feet

Lat: 46°34N

Lon: 90°58W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/23	6/18	6/14	6/12	6/09	6/06	6/03	5/31	5/26
32	6/17	6/12	6/07	6/04	6/01	5/28	5/25	5/21	5/15
28	6/01	5/26	5/22	5/19	5/16	5/13	5/09	5/05	4/30
24	5/15	5/09	5/05	5/02	4/29	4/26	4/23	4/19	4/13
20	5/03	4/28	4/24	4/21	4/18	4/15	4/11	4/08	4/02
16	4/19	4/14	4/11	4/08	4/05	4/02	3/30	3/27	3/22
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/28	9/02	9/06	9/09	9/12	9/15	9/18	9/22	9/27
32	9/12	9/16	9/18	9/21	9/23	9/25	9/28	9/30	10/04
28	9/19	9/23	9/26	9/29	10/02	10/04	10/07	10/10	10/15
24	10/02	10/07	10/11	10/15	10/18	10/21	10/25	10/29	11/03
20	10/14	10/18	10/22	10/25	10/27	10/30	11/02	11/06	11/10
16	10/26	10/30	11/02	11/05	11/07	11/10	11/12	11/16	11/20
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	115	108	103	99	95	91	86	81	74
32	133	126	122	118	114	110	106	101	94
28	159	152	147	142	138	134	130	124	117
24	194	186	181	176	171	167	162	156	149
20	217	209	203	197	192	187	182	176	167
16	234	228	223	219	215	212	207	203	196

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: ASHLAND EXP FARM, WI

COOP ID: 470349

Climate Division: WI 1 NWS Call Sign: Elevation: 650 Feet Lat: 46°34N Lon: 90°58W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1715	1374	1182	768	412	138	48	71	267	614	1044	1517	9150
60	1560	1234	1027	620	279	55	10	19	149	461	894	1362	7670
57	1467	1150	934	532	212	27	3	6	95	372	804	1269	6871
55	1405	1094	872	475	173	15	0	2	67	315	744	1207	6369
50	1250	954	717	339	95	3	0	0	21	192	595	1052	5218
32	704	481	233	39	2	0	0	0	0	6	161	526	2152

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	13	31	75	261	623	884	1091	1035	733	415	107	32	5300
55	0	0	0	6	81	208	378	325	109	11	0	0	1118
57	0	0	0	3	59	160	318	267	78	6	0	0	891
60	0	0	0	1	33	99	233	186	42	2	0	0	596
65	0	0	0	0	10	31	116	83	10	0	0	0	250
70	0	0	0	0	1	5	41	24	1	0	0	0	72

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	14	110	388	663	856	809	524	221	26	0	0	0	14	124	512	1175	2031	2840	3364	3585	3611	3611
45	0	0	5	58	252	514	701	654	378	120	10	0	0	0	5	63	315	829	1530	2184	2562	2682	2692	2692
50	0	0	0	27	148	366	546	499	244	59	2	0	0	0	0	27	175	541	1087	1586	1830	1889	1891	1891
55	0	0	0	8	81	235	394	345	136	23	0	0	0	0	0	8	89	324	718	1063	1199	1222	1222	1222
60	0	0	0	4	33	125	245	203	67	3	0	0	0	0	0	4	37	162	407	610	677	680	680	680
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	12	92	255	416	547	513	319	142	16	0	0	0	12	104	359	775	1322	1835	2154	2296	2312	2312

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: BARABOO, WI

COOP ID: 470516

Climate Division: WI 7

NWS Call Sign:

Elevation: 823 Feet Lat: 43°27N Lon: 89°44W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	26.1	1.6	13.9	57	1989	31	27.8	1990	-45	1951	30	.2	1977	1587	0	.0	.0	.6	21.2	30.7	13.0
Feb	31.9	6.5	19.2	63+	2000	27	32.6	1998	-41	1996	3	6.6	1979	1282	0	.0	.0	1.7	14.1	27.4	8.2
Mar	43.3	18.5	30.9	84	1986	29	38.0	2000	-34	1962	1	22.3	1975	1058	0	.0	.0	8.7	5.4	27.1	2.4
Apr	57.0	29.9	43.5	92	1980	22	52.0	1985	-2	1982	7	37.4	1975	648	0	.0	@	21.5	.4	16.5	@
May	69.8	41.4	55.6	92	1991	29	63.3	1977	22+	1989	6	50.0	1996	316	25	.0	.2	30.5	.0	3.9	.0
Jun	79.0	50.6	64.8	102	1988	21	69.5	1995	31	1982	5	59.3	1982	83	78	.1	2.3	30.0	.0	.1	.0
Jul	82.9	55.3	69.1	102	1988	15	73.2	1983	38	1996	10	63.0	1992	28	155	.1	4.3	31.0	.0	.0	.0
Aug	80.6	52.3	66.5	102+	1988	17	73.4	1995	34	1986	27	61.8+	1992	72	117	.1	1.8	31.0	.0	.0	.0
Sep	72.3	43.6	58.0	99	1955	9	61.9	1978	20	1949	29	52.5	1993	225	12	.0	.5	29.9	.0	2.7	.0
Oct	60.3	32.5	46.4	92	1963	6	54.0	1971	10	1988	29	40.1	1988	576	0	.0	.0	26.0	.0	13.8	.0
Nov	43.9	21.2	32.6	76+	1999	9	39.8	1999	-17	1977	26	24.6	1995	973	0	.0	.0	9.4	4.5	24.5	.7
Dec	31.1	8.6	19.9	64+	2001	6	28.7	1994	-35	1983	19	6.6	1985	1400	0	.0	.0	1.3	16.1	30.0	6.8
Ann	56.5	30.2	43.4	102+	Aug 1988	17	73.4	Aug 1995	-45	Jan 1951	30	.2	Jan 1977	8248	387	.3	9.1	221.6	61.7	176.7	31.1

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

008-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: BARABOO, WI

COOP ID: 470516

Climate Division: WI 7

NWS Call Sign:

Elevation: 823 Feet Lat: 43°27N

Lon: 89°44W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.08	.99	1.10	1967	24	2.99	1996	.03	1981	7.9	3.5	.5	.1	.16	.25	.41	.56	.72	.89	1.08	1.32	1.64	2.16	2.66
Feb	1.03	1.02	1.27	1977	23	3.10	1971	.00	1995	6.2	3.1	.4	.1	.08	.19	.36	.51	.67	.84	1.03	1.27	1.59	2.12	2.62
Mar	2.08	2.00	3.80	1998	31	5.98	1998	.21	1978	8.4	4.4	1.5	.2	.38	.57	.87	1.15	1.44	1.76	2.11	2.54	3.11	4.03	4.91
Apr	3.61	3.26	3.05	1993	20	7.90	1999	.74	1997	11.0	7.0	2.5	.7	1.14	1.49	1.99	2.43	2.85	3.28	3.76	4.32	5.04	6.16	7.19
May	3.48	3.37	3.40	1978	13	6.44	1973	.04	1981	11.1	6.8	2.4	.6	.75	1.06	1.57	2.04	2.50	3.00	3.55	4.22	5.11	6.51	7.84
Jun	4.16	3.75	4.12	1967	9	9.80	2000	1.21	1992	10.6	7.1	2.5	1.4	1.27	1.66	2.25	2.76	3.25	3.76	4.32	4.98	5.84	7.17	8.40
Jul	4.44	3.92	7.78	1993	18	14.79	1993	1.41	1990	10.4	6.9	2.9	1.1	1.64	2.06	2.66	3.15	3.63	4.11	4.64	5.25	6.03	7.23	8.33
Aug	4.45	4.18	5.03	2001	2	11.73	1980	1.18	1996	10.9	7.0	2.9	1.2	1.56	1.98	2.59	3.11	3.60	4.10	4.65	5.29	6.11	7.38	8.55
Sep	3.53	3.13	3.40	1961	12	10.40	1992	.37	1975	9.9	6.5	2.4	1.0	.49	.78	1.29	1.78	2.29	2.86	3.51	4.31	5.39	7.16	8.87
Oct	2.48	2.22	2.96	1991	25	5.69	1984	.25	1975	10.5	5.6	1.6	.4	.65	.88	1.24	1.56	1.87	2.20	2.56	2.99	3.56	4.44	5.28
Nov	2.32	1.84	2.25	1975	29	5.29	1982	.08	1976	9.4	5.1	1.4	.4	.41	.62	.96	1.27	1.60	1.95	2.35	2.83	3.47	4.51	5.50
Dec	1.13	.96	1.17	1968	19	2.27	2000	.09	1998	8.2	3.3	.4	@	.14	.23	.38	.54	.71	.90	1.11	1.38	1.75	2.35	2.93
Ann	33.79	33.58	7.78	Jul 1993	18	14.79	Jul 1993	.00	Feb 1995	114.5	66.3	21.4	7.2	25.98	27.54	29.51	30.99	32.29	33.54	34.82	36.23	37.92	40.36	42.45

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: BARABOO, WI

COOP ID: 470516

Climate Division: WI 7

NWS Call Sign:

Elevation: 823 Feet

Lat: 43°27N

Lon: 89°44W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	9.8	9.3	6	4	12.0	1971	3	22.5	1982	26	1971	4	20	1971	6.0	3.9	1.2	.3	.1	24.6	17.2	13.0	5.2
Feb	8.1	6.7	6	5	10.0	1976	21	22.3	1994	24	1979	21	22	1979	4.2	2.7	1.0	.4	@	22.3	16.9	12.0	5.7
Mar	6.1	5.0	2	1	12.0	1971	18	19.1	1971	16	1971	19	8	1979	2.9	2.1	.9	.3	@	11.2	6.7	4.7	1.2
Apr	2.4	1.0	#	#	7.0	1973	9	13.0	1993	11	1973	9	2	1973	1.1	.8	.3	.1	.0	1.7	.7	.3	@
May	#	.0	#	0	#	1994	1	#	1994	#	1994	1	#	1994	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.4	.0	#	0	5.5	1990	10	5.5	1990	3+	1997	27	#+	1997	.1	.1	.1	@	.0	.2	.1	.0	.0
Nov	4.7	2.9	#	#	9.0	1985	8	27.3	1985	12	1985	10	3	1985	2.3	1.6	.5	.3	.0	4.4	2.2	1.0	.1
Dec	9.3	7.4	3	2	12.0	1990	3	35.2	2000	18	1990	5	14	1985	5.3	3.4	1.0	.5	@	17.8	10.6	6.0	2.3
Ann	40.8	32.3	N/A	N/A	12.0+	Dec 1990	3	35.2	Dec 2000	26	Jan 1971	4	22	Feb 1979	21.9	14.6	5.0	1.9	.1	82.2	54.4	37.0	14.5

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: BARABOO, WI

COOP ID: 470516

Climate Division: WI 7

NWS Call Sign:

Elevation: 823 Feet

Lat: 43°27N

Lon: 89°44W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/16	6/11	6/07	6/03	5/31	5/27	5/24	5/20	5/14
32	6/03	5/29	5/25	5/21	5/18	5/15	5/12	5/08	5/02
28	5/23	5/17	5/13	5/09	5/06	5/02	4/29	4/25	4/19
24	5/08	5/01	4/27	4/23	4/19	4/16	4/12	4/07	4/01
20	4/23	4/19	4/16	4/13	4/11	4/08	4/06	4/02	3/29
16	4/15	4/11	4/07	4/05	4/02	3/30	3/27	3/24	3/19
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/02	9/06	9/09	9/12	9/14	9/17	9/19	9/22	9/27
32	9/11	9/15	9/18	9/20	9/22	9/24	9/27	9/29	10/03
28	9/19	9/24	9/27	9/30	10/02	10/05	10/08	10/11	10/15
24	9/24	9/29	10/03	10/06	10/10	10/13	10/16	10/20	10/25
20	10/09	10/15	10/18	10/21	10/25	10/28	10/31	11/03	11/09
16	10/25	10/30	11/03	11/06	11/09	11/12	11/15	11/19	11/24
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	124	118	113	109	106	102	99	94	88
32	145	138	134	130	126	122	119	114	108
28	171	163	158	153	149	145	140	134	127
24	198	190	183	178	173	167	162	155	147
20	217	210	205	200	196	192	187	182	175
16	243	235	230	225	220	216	211	206	198

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: BARABOO, WI

COOP ID: 470516

Climate Division: WI 7 NWS Call Sign: Elevation: 823 Feet Lat: 43°27N Lon: 89°44W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1587	1282	1058	648	316	83	28	72	225	576	973	1400	8248
60	1432	1142	903	501	201	28	6	22	113	426	823	1245	6842
57	1339	1058	810	417	146	12	0	9	65	341	733	1152	6082
55	1277	1002	748	363	115	6	0	4	42	288	673	1090	5608
50	1122	862	601	241	55	1	0	0	10	175	527	935	4529
32	599	410	175	16	0	0	0	0	0	7	126	437	1770

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	35	52	140	359	733	985	1150	1068	778	454	143	60	5957
55	0	0	0	15	134	301	437	359	129	22	0	0	1397
57	0	0	0	9	104	247	375	302	92	13	0	0	1142
60	0	0	0	4	66	173	288	222	50	5	0	0	808
65	0	0	0	0	25	78	155	117	12	0	0	0	387
70	0	0	0	0	8	22	66	47	2	0	0	0	145

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	2	51	205	527	783	936	861	575	263	55	4	0	2	53	258	785	1568	2504	3365	3940	4203	4258	4262
45	0	0	24	116	378	633	781	706	426	155	21	0	0	0	24	140	518	1151	1932	2638	3064	3219	3240	3240
50	0	0	11	63	251	483	626	551	289	82	5	0	0	0	11	74	325	808	1434	1985	2274	2356	2361	2361
55	0	0	4	33	144	338	471	397	175	37	1	0	0	0	4	37	181	519	990	1387	1562	1599	1600	1600
60	0	0	1	12	72	207	320	248	95	8	0	0	0	0	1	13	85	292	612	860	955	963	963	963
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	41	147	341	504	620	558	366	179	39	2	0	0	41	188	529	1033	1653	2211	2577	2756	2795	2797

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: BAYFIELD 6 N, WI

COOP ID: 470603

Climate Division: WI 1

NWS Call Sign:

Elevation: 820 Feet

Lat: 46°53N

Lon: 90°49W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	20.9	3.2	12.1	53+	1981	25	21.2	1990	-33	1951	30	2.1	1977	1641	0	.0	.0	.1	25.7	31.0	12.1
Feb	26.9	6.9	16.9	61+	1984	22	31.5	1998	-34	1996	3	4.8	1979	1347	0	.0	.0	.9	18.6	27.7	8.4
Mar	36.7	17.5	27.1	78	1986	31	34.9	2000	-17+	1989	3	19.4	1972	1177	0	.0	.0	3.7	9.7	28.2	2.7
Apr	49.8	29.5	39.7	89	1952	27	46.2	1987	2+	1995	5	34.4	1975	759	0	.0	.0	15.3	1.2	19.5	.0
May	63.6	39.8	51.7	95	1969	28	57.1	1977	20	1966	10	45.5	1997	416	4	.0	.1	28.4	@	4.8	.0
Jun	72.2	48.7	60.5	98	1961	29	64.7	1987	22	1984	6	56.1	1982	156	19	.0	.3	29.8	.0	.3	.0
Jul	77.0	55.6	66.3	101	1988	29	70.8	1988	36+	1972	4	59.8	1992	61	102	@	1.3	31.0	.0	.0	.0
Aug	75.2	55.0	65.1	99	1961	31	70.0	1983	34	1962	9	60.7	1977	76	80	.0	.7	31.0	.0	.0	.0
Sep	66.0	46.3	56.2	99	1976	7	61.1	1998	27+	1967	29	51.1	1993	272	6	.0	.3	29.3	.0	.7	.0
Oct	54.5	36.1	45.3	88	1963	23	51.1	1971	15	1988	30	40.4	1976	611	0	.0	.0	21.2	.2	9.2	.0
Nov	38.3	23.7	31.0	76	1978	3	38.5	1999	-6	1958	29	24.2	1995	1020	0	.0	.0	4.4	8.4	24.9	.4
Dec	25.8	10.6	18.2	61	1982	3	27.1	1997	-24	1996	27	8.3	1976	1451	0	.0	.0	.2	21.4	30.4	5.6
Ann	50.6	31.1	40.8	101	Jul 1988	29	70.8	Jul 1988	-34	Feb 1996	3	2.1	Jan 1977	8987	211	@	2.7	195.3	85.2	176.7	29.2

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

009-A

**Climatography
of the United States
No. 20
1971-2000**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: BAYFIELD 6 N, WI

COOP ID: 470603

Climate Division: WI 1

NWS Call Sign:

Elevation: 820 Feet Lat: 46°53N

Lon: 90°49W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.78	1.79	1.26	1982	23	3.00	1982	.52	1981	16.0	5.6	.6	.1	.65	.82	1.06	1.26	1.45	1.65	1.86	2.11	2.43	2.92	3.37
Feb	.97	.83	1.08	2001	25	3.03	1981	.21	1982	10.1	2.9	.3	.1	.20	.29	.43	.56	.69	.83	.99	1.18	1.43	1.83	2.21
Mar	2.20	2.01	4.09	1977	12	7.05	1977	.42	1999	11.3	4.6	1.2	.4	.63	.83	1.15	1.42	1.69	1.97	2.28	2.65	3.12	3.86	4.55
Apr	2.25	2.27	2.80	2001	23	5.51	1994	.25	1988	9.9	5.4	1.3	.3	.54	.75	1.08	1.37	1.66	1.97	2.31	2.72	3.26	4.11	4.91
May	3.18	2.94	3.20	1964	23	6.56	1985	.49	1990	11.7	6.2	2.1	.7	.88	1.18	1.64	2.04	2.43	2.84	3.29	3.82	4.52	5.61	6.62
Jun	3.84	3.94	3.37	1997	25	6.70	1984	1.11	1995	12.7	7.9	2.7	.7	1.53	1.88	2.38	2.80	3.19	3.59	4.03	4.52	5.16	6.13	7.01
Jul	4.06	3.43	4.40	1987	18	9.90	1991	.74	1988	12.7	7.2	2.6	1.0	1.03	1.41	2.00	2.52	3.04	3.58	4.19	4.91	5.85	7.33	8.72
Aug	3.99	3.64	4.72	1972	16	11.25	1972	1.32	1996	12.8	7.2	2.7	1.0	1.47	1.84	2.38	2.83	3.26	3.69	4.17	4.72	5.43	6.52	7.51
Sep	3.78	3.51	4.60	1955	17	9.03	1985	1.38	1976	14.4	7.4	2.5	.7	1.44	1.80	2.30	2.72	3.11	3.52	3.95	4.46	5.11	6.10	7.00
Oct	2.82	2.64	1.97	1968	9	5.94	1995	.40	1976	12.2	6.5	1.8	.5	.81	1.07	1.48	1.83	2.17	2.53	2.92	3.39	3.99	4.94	5.82
Nov	2.86	2.58	2.81	1991	2	8.12	1991	.57	1984	12.7	5.6	1.8	.6	.67	.94	1.35	1.73	2.10	2.49	2.94	3.46	4.15	5.25	6.28
Dec	1.73	1.65	1.70	1982	28	3.33	1996	.65	1994	16.2	5.7	.4	@	.66	.82	1.05	1.24	1.42	1.61	1.81	2.04	2.33	2.79	3.20
Ann	33.46	32.79	4.72	Aug 1972	16	11.25	Aug 1972	.21	Feb 1982	152.7	72.2	20.0	6.1	24.57	26.31	28.53	30.20	31.69	33.11	34.59	36.21	38.17	41.00	43.44

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: BAYFIELD 6 N, WI

COOP ID: 470603

Climate Division: WI 1

NWS Call Sign:

Elevation: 820 Feet

Lat: 46°53N

Lon: 90°49W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	25.9	24.1	16	16	13.5	1982	23	45.8	1997	33+	1996	30	26	1997	17.1	8.3	2.8	1.0	.2	30.0	30.0	28.6	25.5
Feb	11.1	10.0	18	17	8.9	1972	3	24.4	1972	35	1972	3	27+	1996	10.3	3.8	.9	.4	.0	27.9	27.8	27.8	24.8
Mar	14.2	12.9	13	13	15.0	1985	4	37.5	1985	33	1979	4	24	1972	7.9	3.4	1.5	1.0	.1	25.9	23.6	21.2	15.3
Apr	5.6	4.0	3	2	14.2	1984	30	16.9	1983	22	1972	9	12	1972	3.2	1.5	.7	.3	.1	6.3	4.8	3.4	1.8
May	.6	.0	#	0	6.0	1997	12	8.7	1997	12	1984	1	1	1984	.4	.2	.1	@	.0	.2	.1	.1	@
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	#	0	#	1995	23	#+	1995	#	1995	23	#	1995	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.6	.0	#	0	5.1	1979	23	5.1	1979	5	1995	21	#+	2000	.6	.2	.1	.1	.0	.2	@	@	.0
Nov	13.5	10.5	2	1	12.5	1991	30	53.9	1991	22	1991	30	9	1991	8.2	3.5	1.6	.8	.1	10.0	6.0	3.7	1.0
Dec	24.0	23.4	8	7	18.2	1982	28	58.3	1996	28	1985	2	19	1985	15.9	8.2	2.6	.9	.1	27.3	23.9	19.2	9.4
Ann	95.5	84.9	N/A	N/A	18.2	Dec 1982	28	58.3	Dec 1996	35	Feb 1972	3	27+	Feb 1996	63.6	29.1	10.3	4.5	.6	127.8	116.2	104.0	77.8

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: BAYFIELD 6 N, WI

COOP ID: 470603

Climate Division: WI 1

NWS Call Sign:

Elevation: 820 Feet

Lat: 46°53N

Lon: 90°49W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/22	6/17	6/13	6/10	6/07	6/04	6/01	5/29	5/24
32	6/07	6/02	5/29	5/25	5/22	5/19	5/15	5/11	5/06
28	5/20	5/15	5/12	5/09	5/06	5/04	5/01	4/27	4/23
24	5/08	5/02	4/27	4/23	4/19	4/16	4/12	4/07	4/01
20	4/20	4/16	4/13	4/10	4/07	4/05	4/02	3/30	3/26
16	4/14	4/09	4/05	4/02	3/30	3/27	3/24	3/20	3/15
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/09	9/13	9/16	9/19	9/21	9/24	9/26	9/29	10/03
32	9/20	9/25	9/28	9/30	10/03	10/05	10/08	10/11	10/15
28	9/28	10/04	10/09	10/12	10/16	10/19	10/23	10/27	11/02
24	10/20	10/24	10/27	10/30	11/01	11/04	11/06	11/09	11/13
20	10/26	10/30	11/02	11/05	11/07	11/10	11/12	11/15	11/20
16	11/01	11/05	11/08	11/11	11/13	11/16	11/18	11/21	11/26
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	124	117	113	109	105	102	98	93	87
32	152	145	141	137	133	129	126	121	114
28	180	174	169	165	162	158	154	149	143
24	221	212	206	200	195	190	184	178	169
20	231	225	221	217	213	210	206	201	195
16	248	241	236	231	227	223	219	214	207

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: BAYFIELD 6 N, WI

COOP ID: 470603

Climate Division: WI 1 NWS Call Sign: Elevation: 820 Feet Lat: 46°53N Lon: 90°49W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1641	1347	1177	759	416	156	61	76	272	611	1020	1451	8987
60	1486	1207	1022	610	277	63	14	21	149	459	870	1296	7474
57	1393	1123	929	521	205	29	5	8	92	371	780	1203	6659
55	1331	1067	867	463	163	16	1	3	63	315	720	1141	6150
50	1176	927	712	325	82	2	0	0	18	193	572	986	4993
32	633	456	226	29	0	0	0	0	0	7	141	459	1951

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	14	33	73	260	611	853	1064	1027	724	418	110	31	5218
55	0	0	0	3	61	179	351	316	97	13	0	0	1020
57	0	0	0	2	40	133	294	259	66	7	0	0	801
60	0	0	0	0	20	76	210	179	33	2	0	0	520
65	0	0	0	0	4	19	102	80	6	0	0	0	211
70	0	0	0	0	0	2	33	23	0	0	0	0	58

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	13	112	386	629	831	798	511	219	28	0	0	0	13	125	511	1140	1971	2769	3280	3499	3527	3527
45	0	0	2	53	252	479	676	643	365	120	11	0	0	0	2	55	307	786	1462	2105	2470	2590	2601	2601
50	0	0	0	23	146	334	521	488	232	53	1	0	0	0	0	23	169	503	1024	1512	1744	1797	1798	1798
55	0	0	0	8	74	203	366	334	128	20	0	0	0	0	0	8	82	285	651	985	1113	1133	1133	1133
60	0	0	0	1	30	103	221	194	55	3	0	0	0	0	0	1	31	134	355	549	604	607	607	607
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	9	79	242	382	523	493	281	116	15	0	0	0	9	88	330	712	1235	1728	2009	2125	2140	2140

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: BEAVER DAM, WI

COOP ID: 470645

Climate Division: WI 8

NWS Call Sign:

Elevation: 840 Feet

Lat: 43°27N

Lon: 88°51W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	24.3	8.0	16.2	55	1996	18	27.0	1990	-36	1963	15	3.3	1977	1515	0	.0	.0	.2	21.0	30.5	9.2
Feb	29.4	12.6	21.0	61	1981	19	32.6	1998	-30	1959	2	10.0	1979	1232	0	.0	.0	1.0	15.0	26.8	5.3
Mar	41.3	24.3	32.8	80+	1986	30	40.3	2000	-22	1962	1	26.1	1975	998	0	.0	.0	8.0	5.1	24.3	.8
Apr	55.5	35.7	45.6	90	1980	22	51.9	1985	6	1979	5	39.6	1975	583	1	.0	@	22.0	.2	10.8	.0
May	68.0	46.5	57.3	92	1978	27	63.7	1977	23	1966	10	51.9	1997	272	31	.0	.3	30.6	.0	1.3	.0
Jun	77.3	56.0	66.7	98	1988	21	70.5	1987	34	1956	2	61.4	1982	52	102	.0	2.4	30.0	.0	.0	.0
Jul	80.8	60.5	70.7	98+	1995	14	74.8	1999	35	1965	6	66.6	1971	11	187	.0	4.1	31.0	.0	.0	.0
Aug	78.4	58.8	68.6	100+	1988	17	75.0	1995	37	1965	29	64.5	1992	41	152	.1	2.0	31.0	.0	.0	.0
Sep	70.9	50.2	60.6	97+	1955	9	65.0	1998	26+	1976	24	55.4	1993	159	25	.0	.5	30.0	.0	.4	.0
Oct	59.8	39.2	49.5	89	1963	6	57.8	1971	14	2001	7	43.9	1988	483	2	.0	.0	26.5	.0	7.0	.0
Nov	43.0	27.1	35.1	75	1964	3	41.9	1999	-12	1958	30	27.2	1976	899	0	.0	.0	9.0	4.2	21.0	.2
Dec	29.6	14.7	22.2	65	2001	6	30.9	1982	-24+	1983	23	11.2	1983	1330	0	.0	.0	1.1	16.3	28.9	4.7
Ann	54.9	36.1	45.5	100+	Aug 1988	17	75.0	Aug 1995	-36	Jan 1963	15	3.3	Jan 1977	7575	500	.1	9.3	220.4	61.8	151.0	20.2

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

010-A

**Climatography
of the United States
No. 20
1971-2000**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: BEAVER DAM, WI

COOP ID: 470645

Climate Division: WI 8

NWS Call Sign:

Elevation: 840 Feet Lat: 43°27N

Lon: 88°51W

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.34	1.34	1.35	1988	20	3.28	1999	.10	1981	8.9	4.4	.6	@	.27	.39	.58	.76	.95	1.14	1.36	1.63	1.98	2.54	3.08
Feb	1.23	1.06	1.64	1981	22	3.18	1971	.01	1995	6.8	3.6	.6	.1	.10	.18	.34	.51	.70	.92	1.17	1.50	1.94	2.69	3.43
Mar	2.23	2.00	3.46	1998	31	6.59	1998	.17	1981	9.7	5.4	1.4	.2	.33	.52	.84	1.15	1.47	1.82	2.23	2.72	3.39	4.48	5.52
Apr	3.39	3.12	2.35	1999	23	7.57	1999	.84	1997	11.1	6.7	2.4	.7	1.24	1.56	2.02	2.40	2.76	3.14	3.55	4.02	4.62	5.55	6.41
May	3.19	3.02	3.82	1978	13	7.02	1978	.50	1981	10.8	6.7	2.1	.5	.93	1.23	1.69	2.08	2.47	2.87	3.31	3.84	4.51	5.57	6.56
Jun	4.03	4.19	3.27	1996	17	8.24	1990	.62	1987	10.0	6.8	2.7	1.2	1.03	1.41	2.00	2.51	3.02	3.56	4.16	4.87	5.79	7.25	8.62
Jul	4.30	4.06	3.95	1985	25	8.45+	1999	.83	1975	10.8	7.1	3.0	1.2	1.56	1.96	2.54	3.03	3.50	3.98	4.50	5.10	5.87	7.06	8.15
Aug	3.79	3.21	3.14	1980	7	9.76	1995	.63	1991	9.7	6.9	2.6	1.1	1.10	1.46	2.01	2.48	2.93	3.41	3.94	4.56	5.36	6.62	7.80
Sep	3.65	2.72	4.41	1986	22	15.05	1986	.23	1979	9.5	5.8	2.3	.9	.41	.69	1.20	1.71	2.25	2.86	3.57	4.45	5.66	7.64	9.58
Oct	2.52	2.14	3.00	1995	6	6.11	1995	.66	1975	9.4	5.8	1.6	.2	.61	.85	1.21	1.54	1.86	2.21	2.59	3.05	3.65	4.59	5.48
Nov	2.30	1.88	2.00	1985	1	6.11	1985	.11	1976	9.5	5.4	1.5	.3	.42	.63	.96	1.28	1.59	1.94	2.33	2.80	3.43	4.44	5.40
Dec	1.65	1.59	1.46	1971	15	3.95	1971	.35	1993	10.0	4.5	.8	.2	.32	.47	.71	.93	1.16	1.40	1.67	2.00	2.44	3.14	3.80
Ann	33.62	34.54	4.41	Sep 1986	22	15.05	Sep 1986	.01	Feb 1995	116.2	69.1	21.6	6.6	25.56	27.16	29.18	30.71	32.05	33.34	34.66	36.12	37.87	40.39	42.56

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

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Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
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Station: BEAVER DAM, WI

COOP ID: 470645

Climate Division: WI 8

NWS Call Sign:

Elevation: 840 Feet

Lat: 43°27N

Lon: 88°51W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	11.1	11.0	7	6	12.0	1999	3	26.0	1999	36	1979	30	25	1979	5.4	4.1	1.3	.6	.1	22.4	17.8	14.6	7.0
Feb	7.6	6.5	6	4	10.0	1994	23	30.0	1994	32	1979	12	27	1979	3.2	2.7	1.0	.3	@	20.3	16.2	12.4	7.3
Mar	5.9	4.5	2	1	9.0	1971	19	16.5	1972	21	1994	1	8	1979	2.9	2.5	.8	.3	.0	8.6	5.6	4.2	1.2
Apr	1.7	.0	#	#	6.0	1982	5	9.0	1973	7	1973	10	1	1982	.7	.7	.2	.1	.0	1.1	.6	.3	.0
May	.1	.0	0	0	2.0	1994	1	2.0	1994	0	0	0	0	0	@	@	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.2	.0	#	0	4.0	1997	27	4.0	1997	3	1997	27	#+	1997	.1	.1	@	.0	.0	.1	@	.0	.0
Nov	2.2	.6	#	#	5.5	1986	20	9.0	1977	8	1995	29	2	1977	1.7	1.0	.3	.1	.0	2.8	1.2	.5	.0
Dec	9.7	10.0	3	3	13.0	1990	3	24.1	1977	24	2000	31	11	1985	4.8	4.2	1.3	.3	.1	17.0	11.2	7.0	2.5
Ann	38.5	32.6	N/A	N/A	13.0	Dec 1990	3	30.0	Feb 1994	36	Jan 1979	30	27	Feb 1979	18.8	15.3	4.9	1.7	.2	72.3	52.6	39.0	18.0

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: BEAVER DAM, WI

COOP ID: 470645

Climate Division: WI 8

NWS Call Sign:

Elevation: 840 Feet

Lat: 43° 27N

Lon: 88° 51W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/01	5/26	5/22	5/18	5/15	5/12	5/08	5/04	4/28
32	5/18	5/13	5/09	5/06	5/03	4/30	4/27	4/23	4/18
28	5/04	4/29	4/25	4/22	4/19	4/16	4/13	4/09	4/04
24	4/19	4/15	4/12	4/10	4/07	4/05	4/02	3/30	3/26
20	4/12	4/08	4/05	4/02	3/31	3/28	3/25	3/22	3/18
16	4/06	3/31	3/27	3/24	3/21	3/18	3/15	3/11	3/05
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/18	9/21	9/23	9/25	9/27	9/28	9/30	10/02	10/05
32	9/25	9/28	10/01	10/03	10/05	10/08	10/10	10/12	10/16
28	10/02	10/07	10/11	10/15	10/18	10/21	10/25	10/29	11/04
24	10/14	10/19	10/23	10/26	10/29	11/01	11/04	11/08	11/13
20	10/23	10/29	11/02	11/05	11/08	11/11	11/15	11/19	11/24
16	11/06	11/12	11/16	11/19	11/22	11/25	11/28	12/02	12/08
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	151	145	141	137	134	130	127	123	117
32	174	168	163	159	155	151	147	142	136
28	206	197	191	186	181	177	172	166	157
24	222	216	212	208	204	200	196	192	186
20	244	236	231	226	222	218	213	207	200
16	270	262	256	250	245	240	235	229	220

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography
of the United States
No. 20
1971-2000

Station: BEAVER DAM, WI

COOP ID: 470645

Climate Division: WI 8 NWS Call Sign: Elevation: 840 Feet Lat: 43°27N Lon: 88°51W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1515	1232	998	583	272	52	11	41	159	483	899	1330	7575
60	1360	1092	843	438	165	14	0	10	67	338	749	1175	6251
57	1267	1008	750	355	114	5	0	3	33	260	660	1082	5537
55	1205	952	688	303	87	3	0	0	19	214	600	1020	5091
50	1050	812	540	189	37	0	0	0	3	119	456	865	4071
32	526	358	132	7	0	0	0	0	0	2	89	371	1485

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	34	50	157	414	782	1040	1199	1135	856	544	180	64	6455
55	0	0	0	21	156	353	486	422	185	43	1	0	1667
57	0	0	0	12	121	295	424	363	139	27	0	0	1381
60	0	0	0	5	79	214	332	277	82	12	0	0	1001
65	0	0	0	1	31	102	187	152	25	2	0	0	500
70	0	0	0	0	9	32	80	67	4	0	0	0	192

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	2	59	239	577	833	981	921	651	330	65	4	0	2	61	300	877	1710	2691	3612	4263	4593	4658	4662
45	0	0	28	139	424	683	826	766	501	206	29	1	0	0	28	167	591	1274	2100	2866	3367	3573	3602	3603
50	0	0	12	70	289	533	671	611	355	111	10	0	0	0	12	82	371	904	1575	2186	2541	2652	2662	2662
55	0	0	4	35	169	383	516	456	225	54	2	0	0	0	4	39	208	591	1107	1563	1788	1842	1844	1844
60	0	0	0	13	84	244	362	303	122	18	0	0	0	0	0	13	97	341	703	1006	1128	1146	1146	1146
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	36	152	354	535	657	609	401	191	36	1	0	1	37	189	543	1078	1735	2344	2745	2936	2972	2973

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: BELOIT, WI

COOP ID: 470696

Climate Division: WI 8

NWS Call Sign:

Elevation: 780 Feet Lat: 42°30N Lon: 89°02W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	26.5	11.6	19.1	61	1967	24	30.6	1990	-26+	1994	18	7.8	1977	1425	0	.0	.0	.7	19.9	30.1	7.2
Feb	31.7	16.9	24.3	69	2000	26	36.1	1998	-25	1996	3	13.5	1979	1140	0	.0	.0	2.1	13.6	25.8	4.1
Mar	43.7	27.1	35.4	84	1986	30	43.2	1973	-13	1962	1	28.6	1996	918	0	.0	.0	9.7	4.4	23.0	.3
Apr	57.5	37.7	47.6	92	1980	22	55.3	1977	7	1982	7	43.4	1995	524	2	.0	.1	22.9	.2	8.5	.0
May	69.5	48.0	58.8	95	1975	19	65.3	1977	25	1980	11	53.3	1997	240	46	.0	.4	30.6	.0	.6	.0
Jun	79.2	58.0	68.6	101+	1988	26	73.2	1971	38+	1972	11	63.9	1982	35	142	.1	3.4	30.0	.0	.0	.0
Jul	82.5	62.3	72.4	102	1988	16	76.4	1999	42+	1978	11	67.3	1992	7	235	.1	6.1	31.0	.0	.0	.0
Aug	80.1	60.1	70.1	102	1988	18	77.0	1995	42	1965	29	64.5	1992	30	189	.1	3.6	31.0	.0	.0	.0
Sep	72.9	51.6	62.3	100	1953	1	67.0	1978	30+	1995	24	57.5	1993	127	44	.0	1.1	30.0	.0	.5	.0
Oct	61.5	40.7	51.1	89+	1971	1	59.3	1971	17+	1988	31	44.9	1987	437	6	.0	.0	27.4	.0	5.7	.0
Nov	44.9	29.3	37.1	78	1950	1	44.3	1999	-6	1950	24	28.6	1976	838	0	.0	.0	11.3	3.1	18.6	.1
Dec	31.7	17.8	24.8	66	2001	6	33.2	1982	-23	1983	24	13.1	1983	1248	0	.0	.0	1.8	13.8	28.6	4.1
Ann	56.8	38.4	47.6	102+	Aug 1988	18	77.0	Aug 1995	-26+	Jan 1994	18	7.8	Jan 1977	6969	664	.3	14.7	228.5	55.0	141.4	15.8

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

011-A

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

**Climatography
of the United States
No. 20
1971-2000**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: BELOIT, WI

COOP ID: 470696

Climate Division: WI 8

NWS Call Sign:

Elevation: 780 Feet Lat: 42°30N

Lon: 89°02W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.32	1.18	2.70	1960	12	3.10	1999	.02	1981	8.5	4.0	.6	.1	.22	.33	.52	.70	.89	1.09	1.32	1.61	1.99	2.60	3.19
Feb	1.27	1.21	2.30	2001	9	3.28	1997	.00	1995	6.3	3.5	.6	.1	.08	.20	.40	.59	.79	1.00	1.26	1.57	1.99	2.68	3.35
Mar	2.21	2.13	1.45+	1975	24	4.54	1990	.37	1980	8.5	4.8	1.6	.4	.49	.69	1.01	1.31	1.60	1.91	2.26	2.68	3.23	4.11	4.94
Apr	3.75	3.39	3.90	1973	21	9.54	1973	1.17	1985	9.8	7.0	2.6	.8	1.24	1.59	2.11	2.56	2.98	3.42	3.91	4.47	5.19	6.32	7.36
May	3.36	3.44	3.75	1959	19	7.38	1996	.96	1988	10.5	7.3	2.3	.6	1.07	1.39	1.86	2.27	2.65	3.06	3.50	4.01	4.68	5.71	6.67
Jun	4.64	3.98	5.77	1993	30	14.39	1993	.48	1992	9.6	6.9	2.8	1.2	.84	1.25	1.93	2.56	3.20	3.90	4.70	5.66	6.94	9.00	10.97
Jul	3.83	3.61	3.29	1952	19	8.65	1992	.95	1974	9.5	5.9	2.8	1.1	1.15	1.52	2.06	2.53	2.98	3.46	3.98	4.59	5.39	6.63	7.77
Aug	4.28	3.47	5.00	1998	5	10.93	1972	.84	1974	9.2	6.3	3.1	1.1	1.09	1.49	2.11	2.66	3.20	3.78	4.41	5.17	6.16	7.72	9.19
Sep	3.62	3.26	3.78	1984	25	9.92	1972	.06	1974	7.9	5.2	2.5	1.1	.36	.63	1.13	1.63	2.18	2.79	3.52	4.42	5.66	7.71	9.72
Oct	2.39	1.78	3.45	1954	10	6.11	1985	.29	1975	8.6	5.1	1.5	.5	.32	.51	.85	1.18	1.53	1.92	2.37	2.92	3.67	4.89	6.07
Nov	2.74	2.55	2.90	1952	17	6.74	1985	.42	1976	9.5	5.7	2.0	.5	.59	.84	1.24	1.60	1.97	2.36	2.80	3.33	4.02	5.13	6.18
Dec	1.84	1.95	2.00	1971	15	4.41	1971	.30	1989	8.6	4.4	.9	.3	.43	.60	.87	1.11	1.35	1.60	1.89	2.23	2.67	3.38	4.04
Ann	35.25	35.16	5.77	Jun 1993	30	14.39	Jun 1993	.00	Feb 1995	106.5	66.1	23.3	7.8	23.97	26.11	28.88	30.99	32.88	34.71	36.61	38.72	41.28	45.02	48.27

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: BELOIT, WI

COOP ID: 470696

Climate Division: WI 8

NWS Call Sign:

Elevation: 780 Feet

Lat: 42°30N

Lon: 89°02W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	8.1	7.1	4	3	8.0	1998	9	18.7	1999	13	1986	8	9	1986	5.8	3.0	1.0	.3	.0	17.0	8.7	4.8	1.2
Feb	7.2	8.7	3	2	7.0	1994	26	22.0	1994	16	1994	14	9	1994	3.7	2.2	.6	.2	.0	13.9	7.6	2.9	.8
Mar	3.7	2.6	#	#	9.0	1972	29	14.5	1971	9	1972	29	1+	1999	2.0	1.2	.3	.1	.0	3.5	1.2	.4	.0
Apr	1.0	.0	#	0	4.9	1982	6	6.9	1982	9	1973	10	1	1973	.5	.3	.1	.0	.0	.4	.1	.1	.0
May	#	.0	#	0	#	1994	1	#+	1994	#	1994	1	#	1994	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	#	0	.9	1972	18	.9	1972	#+	1997	27	#+	1997	.1	.0	.0	.0	.0	.0	.0	.0	.0
Nov	1.4	.7	#	#	5.0	1995	28	8.5	1995	5	1995	30	1	1995	.8	.5	.2	@	.0	1.5	.5	.1	.0
Dec	6.0	5.7	2	2	11.0	1994	7	12.7	1983	20	2000	30	10	2000	4.8	2.6	.8	.3	@	10.5	4.2	2.0	.7
Ann	27.5	24.8	N/A	N/A	11.0	Dec 1994	7	22.0	Feb 1994	20	Dec 2000	30	10	Dec 2000	17.7	9.8	3.0	.9	@	46.8	22.3	10.3	2.7

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: BELOIT, WI

COOP ID: 470696

Climate Division: WI 8

NWS Call Sign:

Elevation: 780 Feet

Lat: 42°30N

Lon: 89°02W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/20	5/16	5/12	5/09	5/06	5/04	5/01	4/27	4/22
32	5/08	5/02	4/29	4/26	4/23	4/20	4/16	4/13	4/08
28	4/29	4/24	4/20	4/17	4/14	4/12	4/08	4/05	3/31
24	4/15	4/11	4/08	4/06	4/03	4/01	3/30	3/27	3/23
20	4/10	4/05	4/01	3/28	3/25	3/22	3/19	3/15	3/09
16	4/04	3/28	3/24	3/20	3/16	3/12	3/08	3/03	2/25
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/23	9/26	9/29	10/01	10/03	10/05	10/07	10/10	10/13
32	9/24	9/29	10/03	10/06	10/09	10/12	10/15	10/18	10/23
28	10/08	10/14	10/18	10/21	10/24	10/28	10/31	11/04	11/10
24	10/23	10/28	10/31	11/03	11/06	11/09	11/12	11/15	11/20
20	11/04	11/08	11/11	11/14	11/16	11/19	11/21	11/24	11/28
16	11/09	11/14	11/18	11/21	11/24	11/27	12/01	12/05	12/10
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	166	160	156	152	149	145	142	138	132
32	191	183	178	173	169	164	159	154	146
28	217	208	202	197	192	187	182	176	168
24	234	227	223	219	216	212	209	204	198
20	258	250	244	240	235	231	226	221	213
16	280	271	264	258	253	247	242	235	225

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: BELOIT, WI

COOP ID: 470696

Climate Division: WI 8 NWS Call Sign: Elevation: 780 Feet Lat: 42°30N Lon: 89°02W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1425	1140	918	524	240	35	7	30	127	437	838	1248	6969
60	1270	1000	763	381	142	8	0	7	50	300	688	1093	5702
57	1177	916	670	301	97	3	0	2	24	228	599	1000	5017
55	1115	860	609	253	73	1	0	0	13	186	540	938	4588
50	960	723	463	148	30	0	0	0	2	101	402	789	3618
32	448	293	90	3	0	0	0	0	0	2	68	319	1223

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	46	77	195	471	829	1097	1251	1181	907	594	220	94	6962
55	0	0	1	31	189	409	538	468	230	65	3	0	1934
57	0	0	0	20	152	350	476	408	181	45	1	0	1633
60	0	0	0	9	104	266	383	321	117	23	0	0	1223
65	0	0	0	2	46	142	235	189	44	6	0	0	664
70	0	0	0	0	16	56	113	94	10	0	0	0	289

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	7	77	283	619	882	1037	969	703	382	94	8	0	7	84	367	986	1868	2905	3874	4577	4959	5053	5061
45	0	1	37	173	466	732	882	814	553	249	44	4	0	1	38	211	677	1409	2291	3105	3658	3907	3951	3955
50	0	0	18	97	321	582	727	659	409	145	21	0	0	0	18	115	436	1018	1745	2404	2813	2958	2979	2979
55	0	0	7	49	199	433	572	504	272	73	4	0	0	0	7	56	255	688	1260	1764	2036	2109	2113	2113
60	0	0	1	20	109	298	418	351	157	30	0	0	0	0	1	21	130	428	846	1197	1354	1384	1384	1384
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	3	50	170	374	578	701	644	438	222	50	5	0	3	53	223	597	1175	1876	2520	2958	3180	3230	3235

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: BLAIR, WI

COOP ID: 470882

Climate Division: WI 4

NWS Call Sign:

Elevation: 860 Feet Lat: 44° 18N Lon: 91° 14W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	24.4	.1	12.3	56	1981	26	24.4	1990	-43	1951	30	-1.9	1977	1635	0	.0	.0	.2	23.4	30.9	15.3
Feb	31.4	6.4	18.9	61	1981	19	31.4	1998	-45	1996	3	7.9	1979	1291	0	.0	.0	1.2	15.2	27.8	10.3
Mar	42.9	19.8	31.4	82	1986	30	40.7	1973	-33	1962	1	21.7	1975	1042	0	.0	.0	7.4	6.6	26.9	3.2
Apr	57.8	32.2	45.0	91	1980	23	52.0	1977	-4	1982	6	39.1	1975	601	1	.0	.1	20.9	.4	16.3	.1
May	70.3	43.5	56.9	93	1959	2	65.3	1977	20	1966	10	50.9	1997	285	34	.0	@	30.3	.0	4.2	.0
Jun	78.8	52.9	65.9	100	1988	22	70.7	1971	28	1972	10	60.3	1982	74	100	@	2.1	30.0	.0	.1	.0
Jul	82.7	57.5	70.1	105	1995	14	74.3	1983	36	1972	4	63.9	1992	22	180	.1	3.7	31.0	.0	.0	.0
Aug	80.4	55.5	68.0	105+	1948	24	74.2	1995	33	1950	20	63.4	1992	47	139	@	2.3	31.0	.0	.0	.0
Sep	71.9	45.9	58.9	98	1955	9	63.6	1998	18	1967	29	52.8	1993	207	23	.0	.4	29.7	.0	2.1	.0
Oct	59.9	34.2	47.1	90+	1976	2	55.2	1971	8	1976	27	41.9	1976	556	0	.0	@	25.4	.0	14.9	.0
Nov	42.7	22.5	32.6	78	1949	7	38.5	1987	-18	1964	30	24.7	1991	972	0	.0	.0	7.8	6.0	25.3	1.1
Dec	29.0	7.7	18.4	64	1982	3	25.9	1997	-39	1983	19	5.3	1983	1446	0	.0	.0	.8	19.2	30.4	9.6
Ann	56.0	31.5	43.8	105+	Jul 1995	14	74.3	Jul 1983	-45	Feb 1996	3	-1.9	Jan 1977	8178	477	.1	8.6	215.7	70.8	178.9	39.6

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

012-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: BLAIR, WI

COOP ID: 470882

Climate Division: WI 4

NWS Call Sign:

Elevation: 860 Feet Lat: 44°18N

Lon: 91°14W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.97	.86	1.01	1967	25	2.84	1996	.02	1981	7.6	3.5	.4	.0	.20	.28	.43	.56	.69	.83	.99	1.18	1.43	1.84	2.22
Feb	.85	.63	2.22	1999	8	3.17	1981	.05	1987	6.4	2.6	.4	.1	.10	.16	.28	.40	.53	.67	.83	1.03	1.31	1.77	2.21
Mar	1.90	1.91	1.74	1966	23	3.68	1985	.28	1978	7.9	4.8	1.1	.3	.50	.68	.95	1.19	1.43	1.68	1.96	2.30	2.73	3.41	4.05
Apr	3.17	2.66	2.82	1990	24	7.46	1993	.44	1997	10.4	6.8	1.9	.5	.91	1.21	1.66	2.06	2.44	2.84	3.29	3.81	4.49	5.56	6.55
May	3.92	3.43	3.48	1954	1	7.45	1991	1.20	1988	10.4	7.1	2.7	1.0	1.48	1.84	2.37	2.80	3.22	3.64	4.10	4.63	5.30	6.34	7.29
Jun	4.07	3.34	3.74	1998	27	10.00	2000	.96	1983	11.3	7.5	2.5	1.0	1.07	1.46	2.05	2.57	3.07	3.61	4.20	4.91	5.82	7.27	8.62
Jul	4.41	4.17	4.17	1978	1	9.93	1999	.76	1974	10.5	7.3	2.9	1.3	1.25	1.67	2.31	2.86	3.39	3.95	4.57	5.30	6.25	7.74	9.12
Aug	4.68	4.15	6.08	1975	23	10.97	1980	.80	1976	10.4	7.4	2.8	1.3	1.19	1.63	2.31	2.91	3.51	4.13	4.83	5.66	6.74	8.45	10.06
Sep	4.13	3.70	5.69	1994	14	10.54	1992	.42	1998	10.3	6.8	2.4	1.0	.66	1.01	1.61	2.18	2.77	3.41	4.14	5.04	6.24	8.19	10.06
Oct	2.46	2.19	4.50	1982	20	6.74	1982	.34	1976	8.1	5.0	1.4	.5	.43	.64	1.00	1.34	1.68	2.06	2.48	3.00	3.69	4.81	5.88
Nov	2.21	1.95	2.46	1975	10	7.65	1991	.02	1976	8.6	4.3	1.5	.4	.27	.44	.75	1.06	1.39	1.75	2.18	2.70	3.41	4.58	5.72
Dec	1.13	1.01	1.29	1982	28	3.37	1982	.24	1989	8.1	3.4	.4	@	.25	.35	.51	.66	.81	.97	1.15	1.37	1.65	2.10	2.53
Ann	33.90	34.40	6.08	Aug 1975	23	10.97	Aug 1980	.02+	Jan 1981	110.0	66.5	20.4	7.4	24.33	26.19	28.57	30.37	31.96	33.51	35.10	36.86	38.99	42.08	44.74

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: BLAIR, WI

COOP ID: 470882

Climate Division: WI 4

NWS Call Sign:

Elevation: 860 Feet

Lat: 44° 18N

Lon: 91° 14W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	10.6	10.5	8	7	13.0	1971	4	25.5	1971	25	1979	16	17	1971	7.1	3.9	1.0	.2	.1	30.0	25.6	22.1	9.4
Feb	6.4	5.0	9	8	8.0	1971	5	14.3	1975	29	1971	5	21	1971	4.8	2.5	.6	.2	.0	27.0	25.5	22.1	10.4
Mar	7.9	8.0	4	2	9.3	1997	14	22.2	1997	23	1997	15	15	1975	3.6	2.4	1.0	.4	.0	16.0	11.3	8.4	4.2
Apr	2.0	.0	#	#	10.0	1973	9	15.2	1973	14	1973	10	2	1975	.9	.4	.2	.1	@	1.5	.6	.4	.1
May	#	.0	#	0	#	1997	1	#+	1997	#	1997	1	#	1997	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.2	.0	#	0	3.0	1992	20	3.0	1992	3	1992	20	#+	1995	.1	.1	@	.0	.0	.1	@	.0	.0
Nov	3.7	1.6	1	#	6.0	1991	23	12.6	1985	11	1991	27	4	1991	2.4	1.3	.7	.1	.0	4.7	3.1	1.6	.0
Dec	9.8	7.5	4	3	7.7	1990	18	27.7	1990	19	1990	18	14	1985	6.3	3.3	.9	.2	.0	24.9	17.8	12.4	3.1
Ann	40.6	32.6	N/A	N/A	13.0	Jan 1971	4	27.7	Dec 1990	29	Feb 1971	5	21	Feb 1971	25.2	13.9	4.4	1.2	.1	104.2	83.9	67.0	27.2

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: BLAIR, WI

COOP ID: 470882

Climate Division: WI 4

NWS Call Sign:

Elevation: 860 Feet

Lat: 44° 18N

Lon: 91° 14W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/17	6/11	6/06	6/03	5/30	5/27	5/23	5/19	5/13
32	6/04	5/29	5/25	5/22	5/18	5/15	5/12	5/08	5/02
28	5/23	5/17	5/13	5/09	5/05	5/02	4/28	4/23	4/17
24	5/06	5/01	4/27	4/24	4/22	4/19	4/16	4/12	4/07
20	4/20	4/16	4/13	4/11	4/09	4/07	4/04	4/02	3/29
16	4/15	4/11	4/08	4/05	4/03	3/31	3/29	3/26	3/22
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/03	9/07	9/10	9/12	9/15	9/17	9/20	9/23	9/27
32	9/11	9/15	9/18	9/21	9/24	9/26	9/29	10/02	10/07
28	9/22	9/26	9/28	10/01	10/03	10/05	10/07	10/10	10/13
24	10/02	10/07	10/11	10/14	10/17	10/20	10/23	10/26	10/31
20	10/11	10/16	10/20	10/23	10/26	10/29	11/02	11/06	11/11
16	10/19	10/25	10/30	11/03	11/06	11/09	11/13	11/18	11/24
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	125	119	114	110	107	103	99	95	89
32	150	142	137	132	128	123	119	113	105
28	169	163	158	154	150	146	142	137	130
24	198	191	186	181	177	173	169	164	157
20	216	210	206	203	200	196	193	189	184
16	240	232	226	221	217	212	207	201	193

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: BLAIR, WI

COOP ID: 470882

Climate Division: WI 4 NWS Call Sign: Elevation: 860 Feet Lat: 44°18N Lon: 91°14W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1635	1291	1042	601	285	74	22	47	207	556	972	1446	8178
60	1480	1151	887	455	178	25	4	12	105	406	822	1291	6816
57	1387	1067	794	373	127	11	0	4	62	321	732	1198	6076
55	1325	1011	733	321	98	6	0	1	41	269	672	1136	5613
50	1170	871	587	206	45	1	0	0	10	158	528	981	4557
32	640	416	168	10	0	0	0	0	0	5	132	473	1844

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	27	49	149	401	772	1016	1181	1114	806	471	150	51	6187
55	0	0	0	21	157	332	468	403	156	23	0	0	1560
57	0	0	0	13	124	277	406	343	117	13	0	0	1293
60	0	0	0	6	82	201	318	258	70	5	0	0	940
65	0	0	0	1	34	100	180	139	23	0	0	0	477
70	0	0	0	0	11	35	83	58	4	0	0	0	191

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	41	204	522	770	934	866	563	251	40	2	0	0	41	245	767	1537	2471	3337	3900	4151	4191	4193
45	0	0	19	117	377	620	779	711	417	147	17	0	0	0	19	136	513	1133	1912	2623	3040	3187	3204	3204
50	0	0	5	61	245	474	624	556	281	77	5	0	0	0	5	66	311	785	1409	1965	2246	2323	2328	2328
55	0	0	1	27	138	326	469	402	171	33	0	0	0	0	1	28	166	492	961	1363	1534	1567	1567	1567
60	0	0	0	10	68	206	318	256	90	9	0	0	0	0	0	10	78	284	602	858	948	957	957	957
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	32	149	330	496	617	561	355	169	28	1	0	0	32	181	511	1007	1624	2185	2540	2709	2737	2738

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: BLOOMER, WI

COOP ID: 470904

Climate Division: WI 1

NWS Call Sign:

Elevation: 980 Feet

Lat: 45°06N

Lon: 91°29W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	19.9	-.1	9.9	51	1981	25	22.5	1990	-43	1977	9	-3.8	1977	1710	0	.0	.0	.1	24.9	30.8	14.8
Feb	26.7	6.3	16.5	57+	1981	19	30.9	1998	-36+	1996	3	4.4	1979	1357	0	.0	.0	.6	16.8	27.4	9.0
Mar	38.9	19.7	29.3	81+	1986	31	38.1	1973	-36	1962	1	20.8	1996	1108	0	.0	.0	5.7	7.4	26.4	2.6
Apr	55.4	32.8	44.1	90+	1980	22	51.4	1987	4+	1995	5	37.8	1975	628	1	.0	.1	20.7	.4	14.8	.0
May	68.8	44.6	56.7	92+	2001	16	63.2	1977	18	1967	3	49.7	1979	294	36	.0	.3	30.4	.0	3.1	.0
Jun	78.0	54.0	66.0	99	1985	8	71.1	1995	32	1978	8	60.1	1982	79	109	.0	2.2	30.0	.0	@	.0
Jul	82.4	58.7	70.6	103+	1988	16	75.8	1988	41	1972	4	64.6	1992	22	194	.3	4.7	31.0	.0	.0	.0
Aug	79.6	56.5	68.1	104	1988	2	73.4	1988	34	1976	29	62.7	1977	44	139	.2	2.0	31.0	.0	.0	.0
Sep	70.0	47.1	58.6	94+	1985	7	64.2	1998	22+	1976	28	52.2	1993	215	21	.0	.4	29.6	.0	1.7	.0
Oct	57.5	35.6	46.6	88+	1976	1	52.9	1971	6	1976	27	40.6	1976	572	0	.0	.0	24.5	@	11.7	.0
Nov	39.1	22.3	30.7	72	1999	9	37.6	1999	-18+	1978	30	21.9	1976	1030	0	.0	.0	6.7	7.4	25.1	1.3
Dec	24.3	7.0	15.7	62	2001	6	26.0	1997	-35	1983	19	3.7	1983	1530	0	.0	.0	.3	22.1	30.5	8.9
Ann	53.4	32.0	42.7	104	Aug 1988	2	75.8	Jul 1988	-43	Jan 1977	9	-3.8	Jan 1977	8589	500	.5	9.7	210.6	79.0	171.5	36.6

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: BLOOMER, WI

COOP ID: 470904

Climate Division: WI 1

NWS Call Sign:

Elevation: 980 Feet

Lat: 45°06N

Lon: 91°29W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.00	.85	1.50	1996	18	3.14	1996	.01	1981	7.4	3.4	.3	@	.13	.21	.35	.49	.64	.80	.99	1.22	1.53	2.05	2.55
Feb	.73	.63	1.35	1984	12	2.33	1971	.00	1987	5.3	2.4	.2	.1	.04	.11	.23	.33	.45	.57	.72	.90	1.15	1.55	1.95
Mar	1.80	1.68	1.80	1973	11	4.70	1977	.13	1994	7.6	4.2	1.0	.2	.31	.47	.73	.98	1.23	1.50	1.82	2.20	2.71	3.53	4.31
Apr	2.79	2.42	2.90	1975	27	5.92	1975	.52	1997	10.3	6.0	1.7	.5	.87	1.14	1.53	1.87	2.20	2.53	2.91	3.34	3.91	4.79	5.60
May	3.54	3.32	3.82	1989	30	7.37	1973	.85	1976	10.5	6.5	2.4	.8	1.14	1.47	1.97	2.39	2.80	3.22	3.69	4.23	4.93	6.01	7.01
Jun	4.54	4.17	3.92	1990	13	11.91	1990	1.02	1988	11.1	7.6	3.1	1.2	1.57	2.00	2.62	3.15	3.66	4.18	4.74	5.41	6.25	7.57	8.77
Jul	3.81	3.54	6.70	1959	8	7.14	1987	.74	1974	11.2	7.6	2.4	.9	1.20	1.57	2.10	2.56	3.01	3.46	3.97	4.56	5.32	6.51	7.61
Aug	5.02	4.65	5.05	1990	18	11.64	1995	1.65	1996	10.1	6.9	2.9	1.5	1.77	2.25	2.93	3.51	4.06	4.63	5.25	5.97	6.89	8.31	9.61
Sep	3.81	3.25	3.62	1978	12	10.84	1986	.70	1976	10.5	6.5	2.5	.9	1.06	1.42	1.97	2.45	2.92	3.41	3.95	4.59	5.42	6.73	7.95
Oct	2.32	2.08	2.32	1992	7	5.31	1979	.19	1976	9.0	5.0	1.4	.6	.55	.76	1.10	1.40	1.70	2.02	2.38	2.81	3.37	4.25	5.09
Nov	2.10	1.51	2.62	1991	1	7.67	1991	.08	1976	7.7	4.4	1.3	.5	.34	.52	.83	1.12	1.42	1.74	2.11	2.56	3.17	4.15	5.09
Dec	1.03	.95	1.70	1965	12	2.60	1982	.18	1997	7.4	3.4	.4	.1	.20	.29	.45	.58	.72	.88	1.05	1.25	1.52	1.96	2.38
Ann	32.49	32.52	6.70	Jul 1959	8	11.91	Jun 1990	.00	Feb 1987	108.1	63.9	19.6	7.3	21.91	23.92	26.52	28.50	30.27	32.00	33.78	35.77	38.19	41.72	44.78

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: BLOOMER, WI

COOP ID: 470904

Climate Division: WI 1

NWS Call Sign:

Elevation: 980 Feet

Lat: 45°06N

Lon: 91°29W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	9.9	9.4	8	7	8.0	1994	6	18.1	2000	26	1996	29	17	1979	5.9	4.7	1.6	.4	.0	27.9	25.8	22.1	8.6
Feb	6.8	6.3	9	7	10.0	1971	5	14.5	1971	32	1971	14	23	1979	3.6	2.8	.6	.1	@	26.1	23.8	19.6	9.5
Mar	7.8	8.5	4	3	10.0	1985	4	26.2	1985	25	1972	10	16	1972	2.8	2.4	1.0	.5	@	14.9	11.8	8.6	4.4
Apr	1.2	.0	#	#	4.0	1993	1	8.1	1983	10	1975	1	2	1975	.6	.5	.1	.0	.0	1.3	.5	.2	@
May	#	.0	0	0	#	1984	8	#+	1984	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	0	0	#	1985	24	#+	1985	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.2	.0	#	0	3.0	1987	22	3.0+	1987	2	1992	20	#+	1995	.1	.1	@	.0	.0	.1	.0	.0	.0
Nov	5.7	5.4	1	1	9.0	1983	28	18.0	1991	10	1985	30	4	1991	2.5	2.1	.8	.2	.0	6.3	3.4	2.3	.1
Dec	9.4	8.0	5	3	16.0	1985	1	29.2	1985	20	1985	2	13	1985	4.9	4.0	1.3	.2	@	22.0	15.7	11.0	3.4
Ann	41.0	37.6	N/A	N/A	16.0	Dec 1985	1	29.2	Dec 1985	32	Feb 1971	14	23	Feb 1979	20.4	16.6	5.4	1.4	@	98.6	81.0	63.8	26.0

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: BLOOMER, WI

COOP ID: 470904

Climate Division: WI 1

NWS Call Sign:

Elevation: 980 Feet

Lat: 45°06N

Lon: 91°29W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/08	6/03	5/30	5/26	5/23	5/20	5/16	5/12	5/07
32	5/27	5/22	5/18	5/15	5/12	5/09	5/06	5/02	4/27
28	5/10	5/06	5/02	4/29	4/27	4/24	4/21	4/18	4/13
24	4/29	4/25	4/21	4/19	4/16	4/13	4/10	4/07	4/02
20	4/19	4/15	4/12	4/09	4/07	4/05	4/02	3/30	3/26
16	4/11	4/06	4/03	3/31	3/28	3/25	3/22	3/19	3/14
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/31	9/05	9/08	9/12	9/14	9/17	9/20	9/24	9/29
32	9/16	9/20	9/23	9/25	9/28	9/30	10/02	10/05	10/09
28	9/25	9/29	10/02	10/04	10/07	10/09	10/12	10/15	10/19
24	10/02	10/08	10/12	10/15	10/18	10/22	10/25	10/29	11/04
20	10/16	10/21	10/24	10/27	10/30	11/01	11/04	11/07	11/12
16	10/26	10/31	11/04	11/07	11/09	11/12	11/15	11/18	11/23
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	139	130	124	118	114	109	103	97	89
32	156	150	145	141	138	134	130	126	120
28	181	175	170	166	162	158	154	150	143
24	209	201	195	190	185	180	175	169	161
20	221	216	211	208	205	202	198	194	188
16	246	239	234	230	226	222	217	212	205

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography
of the United States
No. 20
1971-2000

Station: BLOOMER, WI

COOP ID: 470904

Climate Division: WI 1 NWS Call Sign: Elevation: 980 Feet Lat: 45°06N Lon: 91°29W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1710	1357	1108	628	294	79	22	44	215	572	1030	1530	8589
60	1555	1217	953	484	188	28	5	11	111	421	880	1375	7228
57	1462	1133	860	402	136	13	0	3	66	335	790	1282	6482
55	1400	1077	798	351	107	7	0	1	44	282	730	1220	6017
50	1245	937	649	235	51	1	0	0	12	168	582	1065	4945
32	706	470	212	19	0	0	0	0	0	5	161	545	2118

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	19	37	128	382	765	1020	1195	1118	796	457	121	38	6076
55	0	0	0	24	158	337	482	406	150	21	0	0	1578
57	0	0	0	15	126	283	420	346	112	11	0	0	1313
60	0	0	0	7	84	208	331	261	67	4	0	0	962
65	0	0	0	1	36	109	194	139	21	0	0	0	500
70	0	0	0	0	13	42	94	58	4	0	0	0	211

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	34	211	554	794	957	885	584	257	35	1	0	0	34	245	799	1593	2550	3435	4019	4276	4311	4312
45	0	0	14	120	404	644	802	730	438	148	14	0	0	0	14	134	538	1182	1984	2714	3152	3300	3314	3314
50	0	0	4	61	266	494	647	575	301	72	2	0	0	0	4	65	331	825	1472	2047	2348	2420	2422	2422
55	0	0	0	29	156	346	492	420	181	29	0	0	0	0	0	29	185	531	1023	1443	1624	1653	1653	1653
60	0	0	0	12	81	215	338	274	95	8	0	0	0	0	0	12	93	308	646	920	1015	1023	1023	1023
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	24	147	347	507	633	577	361	159	21	0	0	0	24	171	518	1025	1658	2235	2596	2755	2776	2776

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: BOWLER, WI

COOP ID: 470991

Climate Division: WI 3

NWS Call Sign:

Elevation: 1,080 Feet Lat: 44°51N

Lon: 88°59W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	21.2	-.5	10.4	53	1973	26	19.9	1990	-41	1982	17	-.3	1977	1696	0	.0	.0	.1	25.5	30.9	14.9
Feb	27.6	4.6	16.1	59	2000	28	29.3	1998	-36+	1996	2	5.0	1979	1369	0	.0	.0	.7	17.5	28.1	11.2
Mar	38.6	17.2	27.9	76	2000	8	37.1	1973	-36	1962	1	21.2	1996	1149	0	.0	.0	4.7	8.2	28.5	3.7
Apr	53.4	30.3	41.9	92	1980	22	47.9	1987	1	1979	6	35.6	1975	694	0	.0	.1	18.8	.7	18.4	.0
May	67.0	41.2	54.1	90+	1975	21	61.3	1977	17	1966	10	48.3+	1997	357	18	.0	@	29.8	.0	6.2	.0
Jun	75.1	50.1	62.6	95+	1971	28	67.4	1995	28	1972	10	55.4	1982	131	59	.0	1.2	30.0	.0	.2	.0
Jul	79.5	55.2	67.4	100+	1995	15	71.4	1988	34	1972	4	61.6	1992	45	118	.1	2.4	31.0	.0	.0	.0
Aug	76.8	53.3	65.1	99	1988	3	70.3	1995	31	1965	29	61.1	1977	82	83	.0	1.0	31.0	.0	.0	.0
Sep	67.4	43.8	55.6	92	1976	8	61.3	1998	20	1974	23	50.8	1974	288	6	.0	.1	29.6	.0	2.7	.0
Oct	56.1	32.5	44.3	88	1963	7	52.4	1971	11	1976	27	37.8	1988	641	0	.0	.0	23.1	@	16.1	.0
Nov	40.0	21.4	30.7	74	1978	4	37.9	1999	-12	1976	30	23.3	1995	1028	0	.0	.0	6.2	6.7	25.9	.9
Dec	26.2	8.2	17.2	60+	2001	6	25.1	1997	-26+	1983	20	5.4	1983	1481	0	.0	.0	.5	21.3	30.6	8.5
Ann	52.4	29.8	41.1	100+	Jul 1995	15	71.4	Jul 1988	-41	Jan 1982	17	-.3	Jan 1977	8961	284	.1	4.8	205.5	79.9	187.6	39.2

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

014-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: BOWLER, WI

COOP ID: 470991

Climate Division: WI 3

NWS Call Sign:

Elevation: 1,080 Feet Lat: 44°51N

Lon: 88°59W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.97	.81	1.30	1999	25	3.22	1996	.09	1981	5.3	3.1	.4	.1	.15	.24	.38	.51	.65	.80	.98	1.19	1.47	1.93	2.37
Feb	.90	.76	1.21	1977	24	2.87	1971	.02	1987	4.0	2.7	.3	.1	.09	.16	.28	.41	.54	.69	.87	1.10	1.41	1.92	2.42
Mar	1.73	1.54	2.25	1973	7	4.67	1977	.20	1999	6.1	4.2	1.0	.3	.28	.43	.68	.91	1.16	1.43	1.74	2.11	2.61	3.43	4.21
Apr	2.85	2.77	2.60	1994	25	5.37	1991	.40	1989	8.7	6.1	2.1	.5	.87	1.14	1.55	1.89	2.23	2.58	2.96	3.41	3.99	4.90	5.74
May	3.55	3.03	3.02	1965	16	8.07	1973	1.11	1996	9.3	6.6	2.2	.9	1.23	1.57	2.06	2.47	2.86	3.27	3.71	4.23	4.89	5.91	6.85
Jun	3.75	3.23	3.10	1969	27	7.86	1996	.84	1976	9.2	6.5	2.2	.9	1.14	1.50	2.03	2.49	2.94	3.40	3.90	4.50	5.27	6.47	7.59
Jul	3.94	3.62	4.52	1982	11	9.98	1982	1.22	1981	9.6	6.9	2.7	1.1	1.18	1.55	2.12	2.60	3.07	3.56	4.10	4.73	5.55	6.83	8.02
Aug	4.17	3.34	4.02	2000	15	9.51	1995	1.08	1999	9.0	7.0	2.5	1.1	1.27	1.67	2.26	2.77	3.26	3.77	4.33	4.99	5.85	7.18	8.41
Sep	3.78	4.04	3.57	1975	11	8.49	1986	.68	1979	9.4	6.4	2.2	.9	.89	1.24	1.79	2.29	2.78	3.30	3.88	4.58	5.49	6.94	8.30
Oct	2.47	2.24	2.21	1983	12	6.67	1984	.09	2000	7.3	4.9	1.5	.6	.58	.81	1.17	1.49	1.81	2.16	2.54	2.99	3.59	4.54	5.44
Nov	2.04	1.54	1.80	1984	1	5.23	1985	.00	1976	6.3	4.2	1.3	.5	.23	.48	.82	1.12	1.41	1.73	2.09	2.52	3.09	4.01	4.88
Dec	1.36	1.24	1.67	1959	28	2.88	1977	.04	1994	6.0	3.8	.6	.1	.25	.37	.57	.75	.94	1.14	1.37	1.65	2.03	2.63	3.20
Ann	31.51	31.55	4.52	Jul 1982	11	9.98	Jul 1982	.00	Nov 1976	90.2	62.4	19.0	7.1	22.16	23.97	26.28	28.04	29.61	31.12	32.69	34.42	36.53	39.58	42.23

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: BOWLER, WI

COOP ID: 470991

Climate Division: WI 3

NWS Call Sign:

Elevation: 1,080 Feet

Lat: 44° 51N

Lon: 88° 59W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	8.5	6.4	6	7	12.0	1988	20	17.0	1988	13+	1984	29	13	1984	4.0	3.2	1.2	.4	.1	-9.9	-9.9	-9.9	-9.9
Feb	6.4	7.0	7	5	8.0	1997	5	13.2	1971	20	1971	27	20	1971	2.6	2.1	.8	.3	.0	-9.9	-9.9	-9.9	-9.9
Mar	7.3	5.1	2	0	24.0	1997	14	28.3	1972	27	1972	7	16	1972	2.2	1.9	.9	.5	.1	-9.9	-9.9	-9.9	-9.9
Apr	1.5	.0	#	0	6.0	1985	1	7.0	1988	11	1972	1	3	1972	.6	.6	.3	.1	.0	.2	.2	.1	.0
May	#	.0	0	0	#	1990	10	#+	1990	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.2	.0	#	0	1.5	1976	19	1.5+	1982	1+	1989	20	#+	1989	.2	.1	.0	.0	.0	.1	.0	.0	.0
Nov	4.1	4.0	#	0	5.6	1977	28	11.7	1971	10	1971	30	2	1971	1.6	1.5	.4	.2	.0	.2	.1	.1	.0
Dec	7.8	4.4	3	#	18.0	1985	2	20.0	1972	16+	1983	28	14	1983	3.5	3.2	1.2	.5	.1	-9.9	-9.9	-9.9	-9.9
Ann	35.8	26.9	N/A	N/A	24.0	Mar 1997	14	28.3	Mar 1972	27	Mar 1972	7	20	Feb 1971	14.7	12.6	4.8	2.0	.3	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: BOWLER, WI

COOP ID: 470991

Climate Division: WI 3

NWS Call Sign:

Elevation: 1,080 Feet

Lat: 44°51N

Lon: 88°59W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/20	6/15	6/11	6/08	6/05	6/02	5/30	5/26	5/21
32	6/07	6/02	5/30	5/27	5/24	5/21	5/18	5/14	5/09
28	5/22	5/17	5/13	5/10	5/08	5/05	5/02	4/29	4/24
24	5/05	5/01	4/27	4/24	4/22	4/19	4/16	4/13	4/08
20	4/25	4/21	4/18	4/16	4/13	4/11	4/09	4/06	4/02
16	4/15	4/11	4/08	4/05	4/03	3/31	3/29	3/26	3/21
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/25	8/30	9/03	9/07	9/10	9/13	9/17	9/21	9/26
32	9/12	9/15	9/18	9/20	9/23	9/25	9/27	9/30	10/03
28	9/20	9/25	9/28	10/01	10/03	10/06	10/09	10/12	10/16
24	9/27	10/03	10/07	10/11	10/14	10/18	10/22	10/26	11/01
20	10/09	10/15	10/19	10/23	10/27	10/31	11/03	11/08	11/14
16	10/25	10/29	11/02	11/05	11/08	11/11	11/14	11/17	11/22
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	119	111	106	101	96	92	87	81	73
32	138	132	128	124	121	118	114	110	104
28	168	161	156	152	148	144	140	135	128
24	198	190	185	180	175	170	165	160	152
20	218	210	205	200	196	191	187	181	174
16	240	232	227	222	218	214	209	204	197

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: BOWLER, WI

COOP ID: 470991

Climate Division: WI 3 NWS Call Sign: Elevation: 1,080 Feet Lat: 44°51N Lon: 88°59W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1696	1369	1149	694	357	131	45	82	288	641	1028	1481	8961
60	1541	1229	994	546	234	58	10	25	164	489	878	1326	7494
57	1448	1145	901	460	174	30	2	10	105	401	788	1233	6697
55	1386	1089	839	405	139	18	0	4	75	344	728	1171	6198
50	1231	949	686	277	70	4	0	0	25	219	579	1016	5056
32	685	474	224	24	0	0	0	0	0	10	144	493	2054

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	13	28	98	321	685	918	1096	1024	708	392	106	35	5424
55	0	0	0	11	110	246	383	315	93	13	0	0	1171
57	0	0	0	6	83	198	323	259	63	7	0	0	939
60	0	0	0	2	50	135	238	181	32	2	0	0	640
65	0	0	0	0	18	59	118	83	6	0	0	0	284
70	0	0	0	0	5	17	42	25	0	0	0	0	89

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	20	162	458	706	864	790	501	198	30	1	0	0	20	182	640	1346	2210	3000	3501	3699	3729	3730
45	0	0	8	86	318	556	709	635	357	106	10	0	0	0	8	94	412	968	1677	2312	2669	2775	2785	2785
50	0	0	1	45	197	407	554	480	227	45	0	0	0	0	1	46	243	650	1204	1684	1911	1956	1956	1956
55	0	0	0	19	105	266	399	329	125	14	0	0	0	0	0	19	124	390	789	1118	1243	1257	1257	1257
60	0	0	0	8	49	149	252	190	56	3	0	0	0	0	0	8	57	206	458	648	704	707	707	707
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	20	116	299	442	559	499	308	134	18	0	0	0	20	136	435	877	1436	1935	2243	2377	2395	2395

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: BROADHEAD, WI

COOP ID: 471078

Climate Division: WI 8

NWS Call Sign:

Elevation: 790 Feet

Lat: 42°37N

Lon: 89°23W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	25.9	5.9	15.9	59	1989	31	28.6	1990	-36	1951	30	2.4	1977	1523	0	.0	.0	.6	20.7	30.6	10.5
Feb	31.2	11.2	21.2	69	2000	26	34.7	1998	-34+	1996	4	9.2	1979	1226	0	.0	.0	1.8	14.0	27.2	7.0
Mar	43.3	22.8	33.1	83	1986	29	41.8	2000	-21	1962	1	25.0	1975	991	0	.0	.0	9.2	4.8	25.7	.8
Apr	57.2	34.2	45.7	91	1980	23	52.9	1977	7+	1982	6	39.6	1975	580	1	.0	@	22.1	.2	12.2	.0
May	69.8	45.5	57.7	93	1975	19	64.3	1977	24	1978	2	52.5	1997	270	42	.0	.5	30.5	.0	1.9	.0
Jun	79.5	55.2	67.4	101	1988	20	71.4	1991	35+	1982	6	60.6	1982	52	122	.1	2.8	30.0	.0	.0	.0
Jul	83.0	59.6	71.3	101	1988	15	76.1	1999	40	1965	6	66.7	1992	12	207	@	5.4	31.0	.0	.0	.0
Aug	80.5	57.1	68.8	102	1988	17	76.1	1995	36	1950	20	64.0	1992	47	165	.1	3.0	31.0	.0	.0	.0
Sep	73.1	47.2	60.2	101	1953	1	65.3	1998	24	1974	23	56.0	1993	178	31	.0	.9	29.9	.0	1.7	.0
Oct	61.2	35.9	48.6	89	1971	1	57.3	1971	14+	1988	29	41.5	1988	515	5	.0	.0	26.9	.0	11.4	.0
Nov	44.7	25.1	34.9	76+	2000	2	42.7	1999	-10	1950	24	27.6	1976	902	0	.0	.0	10.5	3.4	22.8	.3
Dec	31.2	12.8	22.0	67	2001	6	30.7	1998	-30	1950	27	8.5	1985	1334	0	.0	.0	1.5	15.1	29.4	5.8
Ann	56.7	34.4	45.6	102	Aug 1988	17	76.1+	Jul 1999	-36	Jan 1951	30	2.4	Jan 1977	7630	573	.2	12.6	225.0	58.2	162.9	24.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

**Climatography
of the United States
No. 20
1971-2000**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: BRODHEAD, WI

COOP ID: 471078

Climate Division: WI 8

NWS Call Sign:

Elevation: 790 Feet Lat: 42°37N

Lon: 89°23W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.37	1.47	1.68	1960	13	2.82	1974	.07	1981	7.6	3.8	.7	.1	.22	.34	.54	.73	.92	1.13	1.38	1.68	2.07	2.72	3.34
Feb	1.41	1.21	1.80	2001	9	3.69	1985	.08	1982	6.4	3.7	.8	.2	.18	.29	.49	.69	.89	1.12	1.39	1.72	2.16	2.89	3.60
Mar	2.27	2.12	2.27	1998	31	4.97	1975	.35	1980	9.2	5.5	1.1	.4	.44	.64	.98	1.28	1.59	1.93	2.31	2.77	3.38	4.35	5.28
Apr	3.45	3.13	2.46	1955	24	7.08	1999	1.09	1994	10.7	7.1	2.4	.8	1.33	1.65	2.11	2.49	2.85	3.22	3.62	4.08	4.66	5.56	6.38
May	3.65	4.19	2.08	1996	29	7.22	1973	.78	1988	10.8	7.2	2.6	.9	.93	1.28	1.81	2.28	2.74	3.22	3.76	4.41	5.25	6.57	7.81
Jun	4.75	4.71	5.58	1978	25	13.11	1993	.42	1988	9.9	6.8	3.0	1.4	.96	1.39	2.09	2.73	3.37	4.06	4.84	5.78	7.02	9.00	10.88
Jul	3.94	3.85	6.62	1996	18	8.67	1996	1.59	1991	9.5	6.5	2.6	.9	1.53	1.89	2.42	2.85	3.26	3.67	4.13	4.65	5.31	6.33	7.26
Aug	4.19	3.89	4.30	1972	2	8.74	1972	1.14	1978	9.2	6.5	3.1	1.1	1.32	1.72	2.31	2.81	3.30	3.80	4.36	5.01	5.84	7.15	8.35
Sep	3.58	3.39	4.45	1950	19	10.11	1986	.21	1979	8.9	5.6	2.2	.8	.47	.75	1.26	1.76	2.29	2.87	3.55	4.38	5.50	7.35	9.13
Oct	2.70	2.10	2.88	1954	10	9.86	1984	.71	1994	8.6	5.4	1.7	.7	.48	.71	1.11	1.48	1.86	2.27	2.73	3.30	4.05	5.27	6.43
Nov	2.39	2.37	1.92	1952	17	5.05	1991	.13	1976	8.3	5.1	1.7	.4	.57	.79	1.14	1.45	1.76	2.09	2.45	2.89	3.46	4.37	5.22
Dec	1.84	1.66	1.91	1971	15	4.11	1971	.17	1976	8.5	4.7	1.2	.4	.35	.51	.78	1.03	1.29	1.56	1.87	2.24	2.74	3.54	4.30
Ann	35.54	35.17	6.62	Jul 1996	18	13.11	Jun 1993	.07	Jan 1981	107.6	67.9	23.1	8.1	25.21	27.21	29.77	31.72	33.44	35.11	36.84	38.75	41.06	44.42	47.32

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: **BRODHEAD, WI**

COOP ID: **471078**

Climate Division: **WI 8**

NWS Call Sign:

Elevation: **790 Feet**

Lat: **42°37N**

Lon: **89°23W**

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	9.5	9.2	3	1	9.0	1999	3	23.6	1999	12	1971	30	10	1971	5.6	3.8	1.4	.5	.0	-9.9	-9.9	-9.9	-9.9
Feb	6.9	7.4	5	3	7.0	1983	2	24.2	1994	37	1979	21	33	1979	3.8	2.4	.9	.2	.0	-9.9	-9.9	-9.9	-9.9
Mar	5.2	4.5	1	#	8.0	1972	29	13.5	1971	12	1975	8	5	1978	2.7	2.0	.5	.2	.0	5.4	2.5	1.5	.7
Apr	1.3	.0	#	0	9.0	1973	10	15.0	1973	12	1973	10	1	1975	.6	.4	.2	@	.0	1.1	.7	.3	.1
May	.1	.0	0	0	2.1	1994	1	2.1	1994	0	0	0	0	0	@	@	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	#	0	1.0	1997	27	1.0	1997	1	1972	18	#	1972	.1	@	.0	.0	.0	.1	.0	.0	.0
Nov	2.4	2.0	#	0	7.1	1995	28	11.7	1995	6	1971	29	1	1971	1.4	.8	.2	@	.0	1.3	.4	.1	.0
Dec	9.1	5.5	2	1	10.0	1994	7	31.1	2000	17	2000	29	9	1985	4.9	3.3	1.0	.5	@	-9.9	-9.9	-9.9	-9.9
Ann	34.6	28.6	N/A	N/A	10.0	Dec 1994	7	31.1	Dec 2000	37	Feb 1979	21	33	Feb 1979	19.1	12.7	4.2	1.4	@	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: BRODHEAD, WI

COOP ID: 471078

Climate Division: WI 8

NWS Call Sign:

Elevation: 790 Feet

Lat: 42°37N

Lon: 89°23W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/06	5/31	5/26	5/23	5/19	5/16	5/12	5/08	5/01
32	5/23	5/18	5/14	5/10	5/07	5/04	5/01	4/27	4/21
28	5/08	5/03	4/29	4/25	4/22	4/19	4/16	4/12	4/06
24	4/23	4/19	4/17	4/14	4/12	4/10	4/08	4/05	4/01
20	4/13	4/09	4/07	4/04	4/02	3/31	3/29	3/26	3/22
16	4/10	4/04	3/30	3/27	3/23	3/20	3/16	3/12	3/06
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/12	9/16	9/19	9/22	9/24	9/27	9/30	10/03	10/07
32	9/18	9/22	9/25	9/27	9/30	10/02	10/05	10/08	10/12
28	9/23	9/29	10/03	10/06	10/09	10/13	10/16	10/20	10/26
24	10/07	10/13	10/17	10/20	10/24	10/27	10/30	11/04	11/09
20	10/19	10/25	10/29	11/01	11/04	11/08	11/11	11/15	11/21
16	10/30	11/05	11/09	11/13	11/16	11/19	11/23	11/27	12/02
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	151	143	137	132	128	123	118	112	104
32	164	157	153	149	145	141	137	132	126
28	194	186	180	174	169	164	159	153	144
24	215	208	203	198	194	190	185	180	172
20	236	229	224	220	216	212	207	202	196
16	263	254	248	242	237	231	226	219	210

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: BRODHEAD, WI

COOP ID: 471078

Climate Division: WI 8 NWS Call Sign: Elevation: 790 Feet Lat: 42°37N Lon: 89°23W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1523	1226	991	580	270	52	12	47	178	515	902	1334	7630
60	1368	1086	836	434	168	15	1	14	85	373	752	1179	6311
57	1275	1002	743	352	119	6	0	5	49	296	663	1086	5596
55	1213	946	682	300	92	3	0	2	31	249	604	1024	5146
50	1058	811	539	187	41	0	0	0	8	151	460	869	4124
32	545	373	146	7	0	0	0	0	0	6	91	383	1551

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	45	71	178	418	795	1060	1218	1141	843	519	179	73	6540
55	0	0	1	22	174	374	505	430	185	49	1	0	1741
57	0	0	0	13	139	316	443	371	142	34	0	0	1458
60	0	0	0	6	95	236	350	286	88	18	0	0	1079
65	0	0	0	1	42	122	207	165	31	5	0	0	573
70	0	0	0	0	15	46	97	80	6	0	0	0	244

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	2	63	242	573	840	989	912	636	314	72	7	0	2	65	307	880	1720	2709	3621	4257	4571	4643	4650
45	0	0	32	142	425	690	834	757	487	193	31	2	0	0	32	174	599	1289	2123	2880	3367	3560	3591	3593
50	0	0	14	73	282	541	679	602	346	108	11	0	0	0	14	87	369	910	1589	2191	2537	2645	2656	2656
55	0	0	4	36	171	392	524	447	217	52	3	0	0	0	4	40	211	603	1127	1574	1791	1843	1846	1846
60	0	0	0	14	92	250	370	297	121	18	0	0	0	0	0	14	106	356	726	1023	1144	1162	1162	1162
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	2	45	159	358	545	658	600	401	209	47	4	0	2	47	206	564	1109	1767	2367	2768	2977	3024	3028

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: BURLINGTON, WI

COOP ID: 471205

Climate Division: WI 9

NWS Call Sign:

Elevation: 751 Feet Lat: 42°39N Lon: 88°15W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	26.5	8.7	17.6	60	1967	25	29.3	1989	-27+	1985	21	4.8	1977	1470	0	.0	.0	.6	20.5	30.2	9.0
Feb	31.6	13.5	22.6	66+	2000	26	33.9	1998	-27+	1996	4	12.0	1979	1189	0	.0	.0	1.5	14.3	26.8	5.3
Mar	42.5	23.5	33.0	82	1986	30	40.6	2000	-13	1962	1	26.1	1984	992	0	.0	.0	7.8	5.6	24.5	.6
Apr	55.5	34.3	44.9	90	1980	23	51.5	1977	3	1982	7	39.6	1975	603	0	.0	@	20.3	.4	11.6	.0
May	68.3	44.5	56.4	94	1991	29	64.5	1977	22	1966	10	48.4	1997	297	31	.0	.3	30.2	.0	1.9	.0
Jun	78.0	54.6	66.3	102	1988	26	70.9	1971	32+	1972	11	60.6	1982	69	106	.1	2.6	30.0	.0	@	.0
Jul	82.0	60.0	71.0	105+	1995	15	75.3	1999	39	1972	5	66.5	1992	13	198	.1	4.2	31.0	.0	.0	.0
Aug	79.7	58.1	68.9	102	1988	2	75.0	1995	39	1958	25	63.4	1992	40	161	.1	2.4	31.0	.0	.0	.0
Sep	72.3	48.6	60.5	101	1953	3	66.0	1978	23	1974	23	56.1	1993	166	30	@	.8	30.0	.0	.5	.0
Oct	60.3	37.2	48.8	90	1971	1	57.8	1971	15	1952	29	43.4	1987	506	1	.0	@	26.3	.0	8.6	.0
Nov	45.2	27.1	36.2	76	1974	1	42.5	1975	-9	1976	29	27.9	1996	865	0	.0	.0	10.5	3.5	20.9	.3
Dec	31.9	15.4	23.7	67	2001	6	30.9	1982	-18+	1989	22	12.7	1983	1283	0	.0	.0	1.5	14.8	29.1	4.3
Ann	56.2	35.5	45.8	105+	Jul 1995	15	75.3	Jul 1999	-27+	Feb 1996	4	4.8	Jan 1977	7493	527	.3	10.3	220.7	59.1	154.1	19.5

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

016-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: BURLINGTON, WI

COOP ID: 471205

Climate Division: WI 9

NWS Call Sign:

Elevation: 751 Feet Lat: 42°39N

Lon: 88°15W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.58	1.34	1.73	1962	7	4.04	1999	.07	1981	8.9	4.3	.7	.2	.29	.43	.66	.87	1.09	1.33	1.60	1.92	2.36	3.05	3.72
Feb	1.29	1.17	1.75	2001	9	3.63	1994	.00	1987	7.0	3.6	.5	.2	.08	.20	.40	.59	.79	1.01	1.27	1.59	2.02	2.73	3.42
Mar	2.30	2.04	2.94	1976	5	6.95	1976	.47	1996	9.1	5.4	1.4	.4	.49	.70	1.03	1.34	1.65	1.98	2.35	2.80	3.38	4.32	5.21
Apr	3.69	3.87	2.17	1954	21	7.71	1993	1.18	1989	11.8	6.9	2.4	.9	1.26	1.61	2.12	2.55	2.96	3.39	3.85	4.40	5.09	6.17	7.17
May	3.14	2.83	2.04	1996	21	7.84	2000	.74	1992	11.2	7.2	2.2	.5	.93	1.23	1.68	2.06	2.44	2.83	3.26	3.76	4.42	5.44	6.39
Jun	3.96	3.94	5.09	1950	13	9.46	1999	.86	1987	10.5	7.0	2.3	1.3	.90	1.27	1.85	2.37	2.90	3.45	4.07	4.81	5.78	7.33	8.79
Jul	3.77	3.44	3.22	1982	22	9.98	1982	1.52	1999	10.1	6.1	2.3	1.0	1.25	1.61	2.13	2.58	3.00	3.44	3.93	4.49	5.22	6.34	7.38
Aug	4.16	3.74	3.72	1957	30	8.01	1972	.85	1973	10.0	6.6	3.0	1.1	1.49	1.88	2.44	2.92	3.37	3.84	4.34	4.93	5.68	6.85	7.91
Sep	3.27	2.88	2.84	1961	14	8.67	1972	.08	1979	8.9	5.7	2.2	.8	.49	.76	1.24	1.69	2.16	2.67	3.26	3.99	4.96	6.55	8.07
Oct	2.31	2.23	2.80	1965	22	6.10	1991	.23	1994	9.1	5.2	1.3	.5	.47	.68	1.02	1.33	1.64	1.98	2.36	2.81	3.42	4.38	5.30
Nov	2.56	2.22	2.15	1952	17	5.95	1985	.41	1976	10.2	5.8	1.7	.4	.67	.91	1.28	1.61	1.93	2.27	2.65	3.09	3.68	4.60	5.46
Dec	1.94	1.76	2.21	1982	3	4.53	1982	.32	1976	10.0	5.0	1.0	.3	.47	.65	.94	1.19	1.44	1.70	2.00	2.35	2.81	3.53	4.22
Ann	33.97	33.11	5.09	Jun 1950	13	9.98	Jul 1982	.00	Feb 1987	116.8	68.8	21.0	7.6	25.98	27.57	29.58	31.09	32.42	33.70	35.01	36.45	38.18	40.68	42.82

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: BURLINGTON, WI

COOP ID: 471205

Climate Division: WI 9

NWS Call Sign:

Elevation: 751 Feet

Lat: 42°39N

Lon: 88°15W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	10.4	9.0	5	3	14.0	1999	3	35.7	1979	19+	1999	14	15	1982	6.6	4.0	1.3	.3	.1	-9.9	-9.9	-9.9	-9.9
Feb	6.9	6.3	4	3	7.0	1994	26	25.8	1994	24	1979	13	21	1979	4.2	2.5	.9	.3	.0	-9.9	-9.9	-9.9	-9.9
Mar	5.9	5.0	1	#	11.0	1971	19	20.2	1971	16	1979	1	6	1979	2.8	1.7	.5	.3	@	5.2	3.2	1.8	.2
Apr	1.1	.0	#	0	7.0	1982	6	7.6	1982	13	1973	10	1	1973	.7	.2	.1	.1	.0	.5	.3	.2	.0
May	#	.0	0	0	#	1989	6	#	1989	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.0	.0	0	0	.3	1980	28	.3+	1987	0	0	0	0	0	.1	.0	.0	.0	.0	.0	.0	.0	.0
Nov	1.5	.8	#	0	4.5	1995	28	6.0	1977	5	1995	30	1	1997	1.4	.7	.1	.0	.0	1.0	.3	.0	.0
Dec	6.4	7.7	2	#	11.0	1994	7	14.3	1977	25	2000	31	12	2000	4.9	2.9	.8	.3	@	-9.9	-9.9	-9.9	-9.9
Ann	32.2	28.8	N/A	N/A	14.0	Jan 1999	3	35.7	Jan 1979	25	Dec 2000	31	21	Feb 1979	20.7	12.0	3.7	1.3	.1	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: BURLINGTON, WI

COOP ID: 471205

Climate Division: WI 9

NWS Call Sign:

Elevation: 751 Feet

Lat: 42°39N

Lon: 88°15W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/04	5/29	5/25	5/21	5/18	5/14	5/11	5/06	4/30
32	5/25	5/19	5/14	5/10	5/07	5/03	4/29	4/25	4/19
28	5/10	5/05	5/01	4/28	4/25	4/22	4/19	4/16	4/11
24	4/28	4/23	4/19	4/16	4/13	4/10	4/06	4/03	3/28
20	4/13	4/08	4/05	4/02	3/31	3/28	3/25	3/22	3/17
16	4/02	3/28	3/24	3/21	3/18	3/16	3/13	3/09	3/04
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/18	9/22	9/24	9/27	9/29	10/01	10/04	10/07	10/11
32	9/25	9/29	10/01	10/03	10/06	10/08	10/10	10/12	10/16
28	9/28	10/04	10/08	10/12	10/15	10/19	10/22	10/27	11/02
24	10/14	10/19	10/23	10/26	10/29	11/01	11/05	11/08	11/14
20	10/23	10/29	11/02	11/06	11/09	11/12	11/16	11/20	11/26
16	11/07	11/12	11/16	11/19	11/22	11/24	11/27	12/01	12/06
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	154	147	142	138	134	130	125	121	114
32	171	164	159	155	151	147	143	138	131
28	194	187	181	177	172	168	163	158	151
24	218	212	207	203	199	195	191	186	180
20	245	238	232	227	223	218	214	208	200
16	270	262	257	252	247	243	238	232	224

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: BURLINGTON, WI

COOP ID: 471205

Climate Division: WI 9 NWS Call Sign: Elevation: 751 Feet Lat: 42°39N Lon: 88°15W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1470	1189	992	603	297	69	13	40	166	506	865	1283	7493
60	1315	1049	837	456	187	23	0	10	75	360	715	1128	6155
57	1222	965	744	371	134	10	0	3	40	280	625	1035	5429
55	1160	909	682	317	104	6	0	1	25	231	566	973	4974
50	1005	769	531	197	48	1	0	0	5	131	424	818	3929
32	490	319	121	6	0	0	0	0	0	3	72	333	1344

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	43	54	152	394	756	1028	1208	1144	854	521	197	73	6424
55	0	0	0	14	147	343	495	431	188	37	1	0	1656
57	0	0	0	8	115	288	433	372	144	23	0	0	1383
60	0	0	0	3	76	211	340	286	89	10	0	0	1015
65	0	0	0	0	31	106	198	161	30	1	0	0	527
70	0	0	0	0	10	38	90	74	6	0	0	0	218

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	4	56	219	534	804	976	913	640	312	78	6	0	4	60	279	813	1617	2593	3506	4146	4458	4536	4542
45	0	0	23	127	384	654	821	758	492	194	35	2	0	0	23	150	534	1188	2009	2767	3259	3453	3488	3490
50	0	0	9	67	248	504	666	603	348	107	15	0	0	0	9	76	324	828	1494	2097	2445	2552	2567	2567
55	0	0	3	34	142	361	512	448	220	50	4	0	0	0	3	37	179	540	1052	1500	1720	1770	1774	1774
60	0	0	0	16	75	232	357	296	120	16	0	0	0	0	0	16	91	323	680	976	1096	1112	1112	1112
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	2	38	131	316	513	644	592	392	188	47	3	0	2	40	171	487	1000	1644	2236	2628	2816	2863	2866

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: CASHTON, WI

COOP ID: 471280

Climate Division: WI 4

NWS Call Sign:

Elevation: 1,380 Feet Lat: 43°45N

Lon: 90°47W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	22.0	6.8	14.4	54	1981	25	26.2	1990	-34	1972	15	1.4	1977	1569	0	.0	.0	.2	23.6	30.8	10.3
Feb	28.9	13.3	21.1	59+	2000	29	32.2	1998	-34	1996	2	11.7	1979	1229	0	.0	.0	.8	16.3	27.1	5.8
Mar	40.6	23.4	32.0	83	1986	29	40.8	2000	-22	1962	1	24.9	1975	1023	0	.0	.0	6.8	6.8	25.9	1.3
Apr	56.2	35.5	45.9	92	1952	29	53.0	1977	5	1954	3	39.2	1975	578	2	.0	@	21.7	.4	12.0	.0
May	68.9	47.3	58.1	90	1986	31	66.4	1977	21	1981	10	51.3	1973	259	45	.0	@	30.5	.0	1.4	.0
Jun	77.3	56.4	66.9	100	1988	21	72.5	1988	34	1964	1	61.4	1982	56	113	@	1.5	30.0	.0	.0	.0
Jul	80.8	61.2	71.0	101+	1995	13	76.2	1988	41	1951	5	65.7	1971	18	204	.1	3.5	31.0	.0	.0	.0
Aug	78.3	59.3	68.8	102+	1988	17	74.9	1995	34	1950	20	65.3	1992	37	156	.1	1.8	31.0	.0	.0	.0
Sep	69.6	50.7	60.2	95+	1978	7	66.4	1998	27+	1961	28	54.8	1974	175	30	.0	.3	29.6	.0	.5	.0
Oct	57.4	39.7	48.6	91	1976	1	54.5	1973	16+	1981	24	43.3	1988	511	1	.0	@	25.7	.1	7.3	.0
Nov	39.7	25.9	32.8	73	1964	3	41.9	1999	-12	1950	24	26.4	1995	967	0	.0	.0	7.1	6.7	22.5	.4
Dec	26.2	12.7	19.5	62	2001	5	27.1	1998	-28	1983	18	7.9	1985	1411	0	.0	.0	.5	21.3	30.2	6.3
Ann	53.8	36.0	44.9	102+	Aug 1988	17	76.2	Jul 1988	-34+	Feb 1996	2	1.4	Jan 1977	7833	551	.2	7.1	214.9	75.2	157.7	24.1

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1949-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: CASHTON, WI

COOP ID: 471280

Climate Division: WI 4

NWS Call Sign:

Elevation: 1,380 Feet Lat: 43°45N

Lon: 90°47W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.26	1.15	1.30	1998	25	2.89	1980	.22	1981	7.6	3.6	.3	.1	.34	.46	.64	.80	.96	1.12	1.31	1.52	1.80	2.24	2.66
Feb	1.03	.89	.92+	1981	22	3.03	1971	.02	1995	4.5	2.2	.4	.0	.13	.21	.35	.50	.65	.82	1.01	1.25	1.58	2.12	2.64
Mar	1.87	2.00	1.46	1998	31	3.80	1976	.05	1994	6.8	3.6	1.0	.1	.33	.49	.77	1.02	1.28	1.57	1.89	2.28	2.80	3.64	4.44
Apr	3.45	2.98	3.22	1994	25	8.19	1981	.97	1971	7.8	5.6	1.6	.6	1.18	1.51	1.98	2.39	2.77	3.17	3.60	4.10	4.75	5.75	6.67
May	3.67	3.52	2.21	1959	20	6.49	1979	1.48	1994	8.8	6.6	2.1	.5	1.47	1.80	2.28	2.68	3.05	3.43	3.84	4.31	4.91	5.83	6.67
Jun	4.01	3.35	4.04	1996	17	8.36	1998	1.07	1988	7.6	5.5	2.2	.6	1.17	1.55	2.13	2.62	3.10	3.61	4.16	4.82	5.66	6.99	8.22
Jul	4.82	4.25	4.75	1978	1	10.94	1978	1.12	1975	8.7	6.3	2.8	.9	1.39	1.85	2.54	3.13	3.72	4.33	5.00	5.79	6.82	8.43	9.93
Aug	4.62	4.05	2.29	1959	27	14.44	1980	.49	1976	7.8	5.9	2.5	.9	1.25	1.68	2.35	2.94	3.51	4.11	4.78	5.57	6.60	8.22	9.73
Sep	4.23	3.70	3.11	1983	19	10.52	1986	.61	1979	7.7	5.3	1.8	.8	.82	1.20	1.82	2.39	2.97	3.59	4.30	5.14	6.27	8.08	9.79
Oct	2.66	2.57	1.91	1961	29	6.98	1979	.50	1975	6.8	4.8	1.3	.2	.65	.90	1.29	1.64	1.98	2.34	2.74	3.21	3.84	4.83	5.76
Nov	2.54	2.41	1.80	1991	1	6.23	1982	.02	1976	7.3	4.5	1.4	.3	.43	.65	1.02	1.37	1.72	2.11	2.56	3.09	3.81	4.98	6.09
Dec	1.30	1.38	.82	1975	14	2.68	1982	.18	1998	6.9	3.2	.3	.0	.31	.44	.62	.79	.96	1.14	1.34	1.57	1.88	2.37	2.83
Ann	35.46	35.43	4.75	Jul 1978	1	14.44	Aug 1980	.02+	Feb 1995	88.3	57.1	17.7	5.0	23.92	26.11	28.93	31.09	33.02	34.89	36.83	38.99	41.62	45.45	48.79

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1949-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: CASHTON, WI

COOP ID: 471280

Climate Division: WI 4

NWS Call Sign:

Elevation: 1,380 Feet

Lat: 43°45N

Lon: 90°47W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	14.4	13.4	9	9	8.0	1979	23	28.0	1979	26	1996	31	18	1999	8.2	6.0	2.1	.5	.0	27.0	24.0	17.9	9.4
Feb	10.2	7.5	11	10	10.0	1994	23	25.0	1994	30	1971	5	25	1971	5.3	3.4	1.4	.4	.1	22.5	19.4	17.2	11.1
Mar	10.4	9.8	4	2	9.0	1997	13	24.1	1982	21	1975	13	15	1996	4.2	3.4	1.5	.3	.0	8.9	5.5	2.7	1.2
Apr	3.6	3.0	#	#	7.0	1993	15	9.8	1996	9	1993	16	2	1975	1.9	1.6	.6	.2	.0	2.4	.8	.4	.0
May	.2	.0	#	0	3.0	1997	1	3.0	1997	#+	1998	9	#+	1998	.1	@	@	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.5	1995	22	.5	1995	0	0	0	0	0	@	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.5	.0	#	0	3.0	1981	24	3.0+	1992	2	1981	24	#+	1997	.3	.3	.1	.0	.0	.1	.0	.0	.0
Nov	7.3	7.0	1	1	13.0	1991	23	25.2	1991	13	1991	23	4	1991	3.2	2.4	.7	.2	.1	5.7	2.9	1.3	.4
Dec	10.1	8.7	4	3	12.0	1985	1	23.3	1977	24	2000	31	18	1985	6.8	4.5	1.5	.3	@	21.0	16.2	9.6	2.1
Ann	56.7	49.4	N/A	N/A	13.0	Nov 1991	23	28.0	Jan 1979	30	Feb 1971	5	25	Feb 1971	30.0	21.6	7.9	1.9	.2	87.6	68.8	49.1	24.2

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: CASHTON, WI

COOP ID: 471280

Climate Division: WI 4

NWS Call Sign:

Elevation: 1,380 Feet

Lat: 43° 45N

Lon: 90° 47W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/28	5/23	5/19	5/16	5/13	5/10	5/06	5/03	4/27
32	5/19	5/13	5/09	5/06	5/02	4/29	4/26	4/22	4/16
28	5/07	5/01	4/27	4/23	4/20	4/16	4/13	4/09	4/03
24	4/27	4/22	4/18	4/15	4/12	4/09	4/06	4/03	3/29
20	4/14	4/10	4/07	4/04	4/02	3/30	3/28	3/25	3/21
16	4/08	4/03	3/30	3/27	3/23	3/20	3/17	3/13	3/08
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/15	9/19	9/22	9/24	9/26	9/28	10/01	10/03	10/07
32	9/19	9/25	9/29	10/02	10/06	10/09	10/12	10/16	10/22
28	10/04	10/09	10/13	10/16	10/20	10/23	10/26	10/30	11/04
24	10/13	10/19	10/22	10/26	10/29	11/01	11/04	11/08	11/14
20	10/24	10/29	11/01	11/04	11/07	11/10	11/13	11/16	11/21
16	10/28	11/03	11/08	11/11	11/15	11/19	11/22	11/27	12/03
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	156	149	144	140	136	132	127	122	115
32	179	171	165	160	156	151	146	140	132
28	207	198	192	187	182	177	172	166	158
24	223	215	209	204	199	194	189	183	175
20	238	231	226	222	219	215	211	206	199
16	262	253	247	241	236	231	225	218	209

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: CASHTON, WI

COOP ID: 471280

Climate Division: WI 4 NWS Call Sign: Elevation: 1,380 Feet Lat: 43°45N Lon: 90°47W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1569	1229	1023	578	259	56	18	37	175	511	967	1411	7833
60	1414	1089	868	435	160	16	4	9	82	363	817	1256	6513
57	1321	1005	775	354	112	6	0	2	45	282	727	1163	5792
55	1259	949	713	305	86	3	0	0	28	233	667	1101	5344
50	1104	809	565	195	39	0	0	0	6	131	522	946	4317
32	573	354	150	10	0	0	0	0	0	3	126	436	1652

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	27	49	150	424	809	1047	1209	1141	845	516	149	48	6414
55	0	0	0	29	182	360	496	429	183	34	0	0	1713
57	0	0	0	19	146	303	434	368	140	21	0	0	1431
60	0	0	0	9	101	223	345	282	87	8	0	0	1055
65	0	0	0	2	45	113	204	156	30	1	0	0	551
70	0	0	0	0	16	41	100	69	6	0	0	0	232

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	3	50	235	576	816	978	913	626	313	51	3	0	3	53	288	864	1680	2658	3571	4197	4510	4561	4564
45	0	1	23	135	425	666	823	758	477	188	18	1	0	1	24	159	584	1250	2073	2831	3308	3496	3514	3515
50	0	0	10	76	286	516	668	603	336	103	5	0	0	0	10	86	372	888	1556	2159	2495	2598	2603	2603
55	0	0	3	32	169	370	513	448	212	47	0	0	0	0	3	35	204	574	1087	1535	1747	1794	1794	1794
60	0	0	0	10	88	234	359	295	113	15	0	0	0	0	0	10	98	332	691	986	1099	1114	1114	1114
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	27	146	347	521	656	598	372	171	24	0	0	1	28	174	521	1042	1698	2296	2668	2839	2863	2863

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: CHARMANY FARM, WI

COOP ID: 471416

Climate Division: WI 8

NWS Call Sign:

Elevation: 910 Feet Lat: 43°04N Lon: 89°29W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	23.5	6.2	14.9	54	1967	25	25.8	1990	-34	1994	19	1.6	1979	1554	0	.0	.0	.3	21.9	30.6	10.0
Feb	28.9	11.6	20.3	64+	2000	27	33.7	1998	-27	1996	3	5.8	1979	1254	0	.0	.0	1.1	15.4	27.3	6.0
Mar	40.8	23.0	31.9	80	1986	30	41.5	2000	-6	1984	10	23.4	1984	1027	0	.0	.0	7.8	5.9	25.4	.9
Apr	54.3	34.8	44.6	93	1980	23	50.9	1977	4	1979	6	39.4	1979	615	1	.0	@	21.4	.3	11.6	.0
May	66.6	46.4	56.5	90+	1991	29	64.4	1977	23	1966	9	50.4	1983	298	34	.0	.1	30.5	.0	1.5	.0
Jun	76.7	55.7	66.2	101	1988	21	71.7	1971	33	1988	10	59.6	1982	62	97	.1	1.7	30.0	.0	.0	.0
Jul	80.6	60.2	70.4	100+	1988	16	75.5	1999	42+	1988	1	66.4	1984	12	178	@	3.9	31.0	.0	.0	.0
Aug	78.0	58.2	68.1	102	1988	18	75.7	1995	37	1984	24	63.6	1986	57	153	.1	1.6	31.0	.0	.0	.0
Sep	69.7	49.6	59.7	95	1978	9	66.7	1998	24	1984	26	55.6	1993	193	31	.0	.4	29.9	.0	.9	.0
Oct	58.5	37.8	48.2	88	1976	2	58.1	1971	17+	1987	25	39.6	1987	528	5	.0	.0	26.0	.0	9.0	.0
Nov	42.4	25.2	33.8	75	1964	3	43.8	1999	-9	1976	30	26.1	1995	937	0	.0	.0	9.5	4.4	22.6	.3
Dec	29.1	12.6	20.9	65	1970	1	30.8	1998	-30	1983	24	7.7	1983	1368	0	.0	.0	1.3	16.6	29.8	5.7
Ann	54.1	35.1	44.6	102	Aug 1988	18	75.7	Aug 1995	-34	Jan 1994	19	1.6	Jan 1979	7905	499	.2	7.7	219.8	64.5	158.7	22.9

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1959-2001

(3) Derived from 1971-2000 serially complete daily data

018-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: CHARMANY FARM, WI

COOP ID: 471416

Climate Division: WI 8

NWS Call Sign:

Elevation: 910 Feet

Lat: 43°04N

Lon: 89°29W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.14	1.04	1.10	1988	20	3.13	1999	.03	1981	7.4	4.0	.3	@	.14	.24	.40	.56	.72	.91	1.13	1.40	1.76	2.36	2.94
Feb	1.14	1.01	1.40	2001	9	2.97	1976	.02+	1995	5.7	3.1	.6	.1	.06	.12	.26	.41	.59	.80	1.05	1.37	1.83	2.61	3.39
Mar	2.18	1.83	2.95	1998	31	5.82	1998	.23	1978	7.8	5.1	1.2	.3	.38	.57	.89	1.19	1.50	1.83	2.20	2.66	3.27	4.26	5.19
Apr	3.61	3.26	2.56	1999	23	8.04	1999	.90	1989	10.9	7.1	2.4	.8	1.20	1.54	2.04	2.47	2.88	3.30	3.77	4.31	5.00	6.08	7.07
May	3.47	3.43	3.12	2000	18	7.33	2000	.68	1992	10.6	7.1	2.3	.8	.93	1.26	1.76	2.20	2.63	3.08	3.59	4.18	4.95	6.17	7.30
Jun	4.50	3.59	3.60+	1996	17	11.47	1996	1.18	1987	9.6	7.0	2.8	1.4	1.02	1.44	2.10	2.69	3.28	3.91	4.61	5.45	6.56	8.31	9.97
Jul	4.03	3.58	4.40	1977	18	9.56	1993	1.00	1976	9.6	6.5	2.7	1.0	1.34	1.73	2.29	2.76	3.21	3.68	4.20	4.80	5.57	6.77	7.87
Aug	4.05	3.82	5.85	2001	2	7.57	1980	1.75	1978	9.8	6.9	3.0	1.1	1.83	2.19	2.69	3.09	3.47	3.85	4.25	4.71	5.30	6.18	6.98
Sep	3.25	2.85	3.00	1978	18	7.92	1980	.09	1979	9.0	5.7	2.2	1.0	.39	.64	1.10	1.55	2.03	2.57	3.20	3.97	5.03	6.77	8.45
Oct	2.42	2.12	3.01	1984	19	6.00	1984	.54	1975	8.4	5.4	1.4	.4	.52	.75	1.10	1.42	1.74	2.09	2.47	2.94	3.55	4.52	5.44
Nov	2.37	2.01	1.77	1985	1	5.43	1992	.07	1976	8.1	5.2	1.5	.5	.50	.71	1.06	1.38	1.69	2.03	2.42	2.87	3.48	4.45	5.37
Dec	1.32	1.18	1.73	1971	15	3.36	1987	.22	1975	7.1	3.6	.7	.1	.26	.38	.57	.75	.93	1.12	1.34	1.61	1.96	2.52	3.06
Ann	33.48	32.93	5.85	Aug 2001	2	11.47	Jun 1996	.02+	Feb 1995	104.0	66.7	21.1	7.5	25.04	26.70	28.82	30.41	31.82	33.17	34.57	36.10	37.95	40.61	42.90

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1959-2001

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Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: CHARMANY FARM, WI

COOP ID: 471416

Climate Division: WI 8

NWS Call Sign:

Elevation: 910 Feet

Lat: 43°04N

Lon: 89°29W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	7.4	5.1	7	5	13.0	1996	27	17.3	1971	41	1979	28	28	1979	4.6	3.0	1.3	.4	.1	-9.9	-9.9	-9.9	-9.9
Feb	5.9	4.6	4	2	8.0	1993	21	16.0	1975	26	1979	12	20	1979	3.5	2.3	.9	.2	.0	-9.9	-9.9	-9.9	-9.9
Mar	5.8	4.8	1	#	12.0	1972	29	16.5	1972	16	1979	1	8	1986	2.4	1.4	.6	.3	.1	-9.9	-9.9	-9.9	-9.9
Apr	2.0	.0	#	#	8.2	2000	8	10.6	1973	8+	2000	8	1	1994	.4	.3	.2	.1	.0	-9.9	-9.9	-9.9	-9.9
May	#	.0	#	0	#	1997	15	#+	1997	8	1994	1	#+	1997	.0	.0	.0	.0	.0	-9.9	-9.9	-9.9	-9.9
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	-9.9	-9.9	-9.9	-9.9
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	-9.9	-9.9	-9.9	-9.9
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	-9.9	-9.9	-9.9	-9.9
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	-9.9	-9.9	-9.9	-9.9
Oct	.1	.0	#	0	2.0	1992	20	2.0	1992	4	1997	27	#+	1997	.1	@	.0	.0	.0	-9.9	-9.9	-9.9	-9.9
Nov	2.1	1.0	#	#	8.0	1995	28	8.0	1995	11	1985	11	1+	2000	1.4	.9	.2	@	.0	-9.9	-9.9	-9.9	-9.9
Dec	6.9	6.0	3	2	11.0	1985	1	20.5	1985	18	1985	31	15	1985	3.5	2.3	.9	.3	.1	-9.9	-9.9	-9.9	-9.9
Ann	30.2	21.5	N/A	N/A	13.0	Jan 1996	27	20.5	Dec 1985	41	Jan 1979	28	28	Jan 1979	15.9	10.2	4.1	1.3	.3	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: CHARMANY FARM, WI

COOP ID: 471416

Climate Division: WI 8

NWS Call Sign:

Elevation: 910 Feet

Lat: 43°04N

Lon: 89°29W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/27	5/21	5/17	5/14	5/10	5/07	5/03	4/29	4/23
32	5/20	5/13	5/09	5/05	5/02	4/28	4/24	4/20	4/14
28	5/05	4/30	4/26	4/23	4/20	4/17	4/13	4/10	4/04
24	4/21	4/17	4/15	4/12	4/10	4/08	4/06	4/03	3/30
20	4/16	4/11	4/07	4/04	4/01	3/29	3/25	3/22	3/16
16	4/11	4/04	3/31	3/27	3/24	3/20	3/16	3/12	3/06
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/13	9/18	9/21	9/24	9/27	9/29	10/02	10/06	10/10
32	9/21	9/26	9/30	10/03	10/06	10/09	10/13	10/16	10/22
28	9/29	10/05	10/09	10/13	10/17	10/20	10/24	10/28	11/03
24	10/11	10/18	10/22	10/26	10/30	11/02	11/06	11/11	11/17
20	10/19	10/26	10/31	11/04	11/08	11/11	11/15	11/20	11/27
16	11/02	11/08	11/12	11/15	11/19	11/22	11/25	11/29	12/05
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	163	154	148	143	139	134	129	123	114
32	184	174	168	162	157	152	146	139	130
28	207	198	191	185	179	174	168	161	151
24	225	217	211	207	202	197	192	187	179
20	249	239	232	226	220	215	209	201	192
16	269	259	251	245	239	233	227	219	209

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: CHARMANY FARM, WI

COOP ID: 471416

Climate Division: WI 8 NWS Call Sign: Elevation: 910 Feet Lat: 43°04N Lon: 89°29W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1554	1254	1027	615	298	62	12	57	193	528	937	1368	7905
60	1399	1114	872	469	189	19	0	17	98	386	787	1213	6563
57	1306	1030	779	385	137	8	0	7	59	309	698	1120	5838
55	1244	974	717	332	107	4	0	4	39	263	639	1058	5381
50	1089	834	572	213	51	1	0	0	11	164	497	903	4335
32	564	384	160	10	0	0	0	0	0	9	119	408	1654

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	34	55	156	386	759	1026	1190	1119	828	509	172	64	6298
55	0	0	0	17	154	340	477	410	177	50	2	0	1627
57	0	0	0	10	121	284	415	352	137	35	1	0	1355
60	0	0	0	4	81	205	322	269	86	19	0	0	986
65	0	0	0	1	34	97	178	153	31	5	0	0	499
70	0	0	0	0	12	30	73	72	7	0	0	0	194

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	3	56	229	562	817	971	900	626	306	63	5	0	3	59	288	850	1667	2638	3538	4164	4470	4533	4538
45	0	0	29	131	414	667	816	745	480	187	28	1	0	0	29	160	574	1241	2057	2802	3282	3469	3497	3498
50	0	0	13	69	274	517	661	590	337	102	8	0	0	0	13	82	356	873	1534	2124	2461	2563	2571	2571
55	0	0	3	32	160	368	506	435	212	47	1	0	0	0	3	35	195	563	1069	1504	1716	1763	1764	1764
60	0	0	0	12	82	231	352	288	116	16	0	0	0	0	0	12	94	325	677	965	1081	1097	1097	1097
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	34	138	334	523	648	586	377	180	38	1	0	1	35	173	507	1030	1678	2264	2641	2821	2859	2860

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: CHILTON, WI

COOP ID: 471568

Climate Division: WI 6

NWS Call Sign:

Elevation: 840 Feet Lat: 44°02N Lon: 88°09W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	24.1	6.9	15.5	53+	1973	26	27.8	1990	-33	1951	30	2.8	1977	1535	0	.0	.0	.1	22.8	30.6	9.3
Feb	28.9	11.2	20.1	63	2000	27	31.3	1998	-28	1996	3	8.8	1979	1258	0	.0	.0	.6	16.6	27.2	5.6
Mar	40.5	21.9	31.2	78+	1986	30	39.6	2000	-28	1962	1	24.8	1989	1048	0	.0	.0	5.9	6.6	26.0	1.2
Apr	55.1	33.6	44.4	89	1980	22	50.1	1977	8+	1982	4	38.5	1975	621	1	.0	.0	20.1	.5	13.5	.0
May	68.9	44.8	56.9	92	1991	24	64.6	1977	21	1966	10	48.6	1997	297	44	.0	.2	30.3	.0	2.3	.0
Jun	78.2	54.6	66.4	99	1988	20	71.3	1988	31	1949	8	60.4	1982	66	108	.0	2.2	30.0	.0	.0	.0
Jul	82.4	59.6	71.0	103	1995	14	75.2	1983	35	1967	6	64.9	1992	18	203	.1	3.8	31.0	.0	.0	.0
Aug	79.6	57.8	68.7	100	1988	17	74.4	1988	38+	1968	27	64.4	1997	36	151	@	1.8	31.0	.0	.0	.0
Sep	71.3	48.9	60.1	96	1959	8	65.5	1998	24	1949	29	55.7	1993	173	26	.0	.2	29.9	.0	.6	.0
Oct	59.1	38.3	48.7	88+	1963	23	56.4	1971	15	1952	29	44.0	1976	507	1	.0	.0	25.6	@	6.7	.0
Nov	42.8	26.5	34.7	74	1950	1	41.8	1999	-9	1950	25	27.1	1995	912	0	.0	.0	8.0	4.5	21.3	.1
Dec	29.3	14.0	21.7	65	2001	6	29.8	1982	-21+	1989	20	10.5	1983	1344	0	.0	.0	.8	17.7	29.6	4.7
Ann	55.0	34.8	45.0	103	Jul 1995	14	75.2	Jul 1983	-33	Jan 1951	30	2.8	Jan 1977	7815	534	.1	8.2	213.3	68.7	157.8	20.9

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

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**Climatography
of the United States
No. 20
1971-2000**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: CHILTON, WI

COOP ID: 471568

Climate Division: WI 6

NWS Call Sign:

Elevation: 840 Feet Lat: 44°02N

Lon: 88°09W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.41	1.38	1.48	1969	16	3.68	1999	.03	1981	8.7	4.1	.7	.1	.25	.38	.58	.78	.97	1.18	1.42	1.72	2.10	2.73	3.33
Feb	1.22	1.12	1.70	1966	8	3.34	1971	.16	1978	7.1	3.6	.8	@	.21	.31	.49	.66	.83	1.02	1.23	1.49	1.84	2.40	2.93
Mar	2.16	2.02	3.00	1998	31	5.30	1979	.17	1978	8.5	5.3	1.2	.4	.38	.57	.88	1.18	1.48	1.81	2.18	2.64	3.24	4.22	5.15
Apr	2.72	2.66	2.44	1967	17	5.53	1993	.66	1997	10.2	6.1	1.7	.3	1.12	1.37	1.72	2.01	2.28	2.55	2.85	3.19	3.62	4.28	4.88
May	2.93	2.56	3.85	1978	12	7.46	1978	.31	1988	9.6	6.4	1.7	.6	.66	.93	1.35	1.74	2.13	2.54	3.00	3.55	4.27	5.43	6.52
Jun	3.81	3.62	3.38	1957	11	9.14	1999	1.13	1988	10.3	6.9	2.5	.8	1.01	1.37	1.92	2.40	2.88	3.38	3.94	4.60	5.46	6.81	8.07
Jul	3.57	3.38	3.82	1986	25	6.96	1986	1.17	1995	10.0	6.8	2.5	.9	1.37	1.70	2.18	2.57	2.95	3.33	3.74	4.22	4.83	5.76	6.62
Aug	3.83	3.41	3.50	1958	30	8.03	1975	1.02	1976	10.3	7.0	2.7	1.0	1.30	1.66	2.19	2.64	3.07	3.52	4.00	4.57	5.29	6.42	7.45
Sep	3.62	2.86	5.31	1986	11	12.70	1986	.13	1979	10.1	6.5	2.1	.9	.55	.86	1.39	1.89	2.41	2.97	3.63	4.42	5.49	7.24	8.91
Oct	2.40	2.46	3.40	1954	3	4.95	1991	.18	1975	9.2	5.6	1.4	.3	.65	.88	1.23	1.53	1.83	2.14	2.48	2.89	3.42	4.25	5.02
Nov	2.26	2.06	1.65	1952	17	5.94	1985	.09	1976	9.3	5.8	1.3	.4	.43	.63	.96	1.27	1.58	1.91	2.29	2.75	3.36	4.34	5.27
Dec	1.57	1.59	2.11	1959	28	3.88	1971	.18	1993	8.7	4.5	.7	.2	.29	.42	.65	.87	1.09	1.32	1.59	1.91	2.34	3.04	3.70
Ann	31.50	31.21	5.31	Sep 1986	11	12.70	Sep 1986	.03	Jan 1981	112.0	68.6	19.3	5.9	23.19	24.82	26.89	28.46	29.85	31.19	32.57	34.09	35.92	38.57	40.86

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: CHILTON, WI

COOP ID: 471568

Climate Division: WI 6

NWS Call Sign:

Elevation: 840 Feet

Lat: 44°02N

Lon: 88°09W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	11.4	9.5	6	6	12.0	1971	4	32.2	1982	27	1979	25	19	1979	6.2	4.4	1.5	.7	.1	23.2	16.8	10.6	4.9
Feb	10.3	8.0	6	5	12.0	1973	25	34.0	1974	24	1976	7	20	1979	4.6	3.5	1.2	.4	.1	21.0	16.9	11.5	5.1
Mar	7.7	7.3	2	1	10.0	1971	19	20.5	1972	16	1979	2	9	1979	3.1	2.6	1.0	.3	.1	9.6	6.4	3.1	1.0
Apr	2.0	.1	#	#	6.0	1973	9	10.0	1973	10	1973	10	1	1982	1.1	1.0	.4	@	.0	.9	.4	.1	@
May	.3	.0	#	0	3.0	1990	10	5.0	1990	5	1990	10	#+	1997	.1	.1	.1	.0	.0	.1	.1	@	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.4	.0	#	0	2.5	1992	20	2.5+	1997	3+	1997	27	#+	1997	.2	.2	.0	.0	.0	.1	.1	.0	.0
Nov	4.4	2.3	#	#	8.0	1971	27	18.5	1971	12	1971	30	2	1995	2.3	1.7	.6	.2	.0	4.0	1.2	.6	.1
Dec	10.2	8.6	3	3	15.0	1971	30	27.0	1971	18	1985	29	13	1985	5.0	3.6	1.0	.5	.1	16.8	10.4	5.9	1.5
Ann	46.7	35.8	N/A	N/A	15.0	Dec 1971	30	34.0	Feb 1974	27	Jan 1979	25	20	Feb 1979	22.6	17.1	5.8	2.1	.4	75.7	52.3	31.8	12.6

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: CHILTON, WI

COOP ID: 471568

Climate Division: WI 6

NWS Call Sign:

Elevation: 840 Feet

Lat: 44°02N

Lon: 88°09W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/06	6/01	5/29	5/26	5/23	5/20	5/17	5/13	5/08
32	5/23	5/18	5/15	5/12	5/09	5/06	5/03	4/30	4/25
28	5/10	5/05	5/01	4/28	4/25	4/22	4/19	4/15	4/10
24	4/25	4/20	4/17	4/14	4/12	4/09	4/07	4/03	3/30
20	4/16	4/11	4/08	4/05	4/02	3/30	3/27	3/24	3/19
16	4/08	4/04	4/01	3/29	3/27	3/24	3/21	3/18	3/14
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/16	9/20	9/22	9/24	9/27	9/29	10/01	10/03	10/07
32	9/22	9/26	9/29	10/02	10/05	10/07	10/10	10/13	10/17
28	9/28	10/05	10/10	10/14	10/18	10/22	10/27	11/01	11/08
24	10/19	10/24	10/28	10/31	11/03	11/06	11/09	11/12	11/17
20	10/29	11/02	11/06	11/08	11/11	11/14	11/16	11/20	11/24
16	11/09	11/13	11/17	11/20	11/23	11/25	11/28	12/02	12/07
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	143	137	133	129	126	123	119	115	110
32	167	160	156	152	148	144	140	136	129
28	204	194	187	181	176	170	164	157	148
24	224	217	212	208	204	200	196	191	184
20	242	235	230	226	222	218	214	209	202
16	261	254	249	245	240	236	232	227	220

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: CHILTON, WI

COOP ID: 471568

Climate Division: WI 6 NWS Call Sign: Elevation: 840 Feet Lat: 44°02N Lon: 88°09W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1535	1258	1048	621	297	66	18	36	173	507	912	1344	7815
60	1380	1118	893	475	193	22	4	8	79	360	762	1189	6483
57	1287	1034	800	392	143	9	0	2	43	279	672	1096	5757
55	1225	978	738	339	113	5	0	0	27	231	612	1034	5302
50	1070	838	588	221	57	1	0	0	5	129	465	879	4253
32	542	375	162	12	0	0	0	0	0	2	87	382	1562

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	29	40	137	382	770	1032	1209	1138	843	520	165	62	6327
55	0	0	0	19	170	347	496	425	180	35	0	0	1672
57	0	0	0	12	138	291	434	365	136	22	0	0	1398
60	0	0	0	6	95	214	344	278	82	9	0	0	1028
65	0	0	0	1	44	108	203	151	26	1	0	0	534
70	0	0	0	0	17	39	99	65	4	0	0	0	224

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	2	41	205	538	802	963	905	635	310	60	3	0	2	43	248	786	1588	2551	3456	4091	4401	4461	4464
45	0	0	19	115	393	652	808	750	486	188	26	1	0	0	19	134	527	1179	1987	2737	3223	3411	3437	3438
50	0	0	6	58	254	502	653	595	340	102	7	0	0	0	6	64	318	820	1473	2068	2408	2510	2517	2517
55	0	0	1	32	148	357	498	441	217	43	0	0	0	0	1	33	181	538	1036	1477	1694	1737	1737	1737
60	0	0	0	11	76	222	345	289	118	16	0	0	0	0	0	11	87	309	654	943	1061	1077	1077	1077
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	28	129	331	511	644	593	385	171	27	1	0	0	28	157	488	999	1643	2236	2621	2792	2819	2820

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: CLINTONVILLE, WI

COOP ID: 471676

Climate Division: WI 5

NWS Call Sign:

Elevation: 800 Feet

Lat: 44°37N

Lon: 88°45W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	23.3	3.7	13.5	53	1964	22	23.3	1990	-35	1982	17	1.8	1977	1597	0	.0	.0	.1	23.3	30.8	12.6
Feb	28.7	8.4	18.6	59	2000	27	30.0	1998	-31+	1996	4	8.0	1979	1302	0	.0	.0	.5	16.2	27.7	8.2
Mar	39.3	19.4	29.4	78	2000	8	38.9	2000	-26	1962	2	22.3	1989	1105	0	.0	.0	5.3	6.7	27.7	2.1
Apr	54.1	31.9	43.0	92	1980	23	48.9	1986	6	1954	3	36.7	1975	659	0	.0	@	19.2	.6	15.7	.0
May	67.7	43.5	55.6	93	1959	2	62.7	1977	19	1961	5	49.6	1983	320	28	.0	.1	29.9	.0	2.8	.0
Jun	76.5	52.9	64.7	101	1988	21	70.5	1988	31+	1972	10	59.0	1982	95	86	@	2.1	30.0	.0	@	.0
Jul	80.6	57.8	69.2	106	1995	14	74.0	1988	38+	1972	4	63.6	1992	23	154	.1	3.0	31.0	.0	.0	.0
Aug	77.8	54.8	66.3	104	1955	21	72.4	1995	34	1967	31	62.7	1977	66	106	.1	1.3	31.0	.0	.0	.0
Sep	69.4	45.2	57.3	97	1953	2	63.9	1998	22	1974	22	51.2	1974	247	16	.0	.3	29.9	.0	1.7	.0
Oct	57.5	34.3	45.9	89	1963	6	53.2	1971	15+	1976	28	40.6	1976	593	0	.0	.0	24.6	.0	12.7	.0
Nov	41.5	23.5	32.5	73+	1999	10	39.3	1999	-10+	1976	30	25.6	1976	975	0	.0	.0	7.0	5.3	24.9	.5
Dec	27.9	10.8	19.4	62+	2001	6	27.5	1997	-23	1989	21	8.9	1976	1416	0	.0	.0	.6	19.0	30.4	7.1
Ann	53.7	32.2	43.0	106	Jul 1995	14	74.0	Jul 1988	-35	Jan 1982	17	1.8	Jan 1977	8398	390	.2	6.8	209.1	71.1	174.4	30.5

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

020-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: CLINTONVILLE, WI

COOP ID: 471676

Climate Division: WI 5

NWS Call Sign:

Elevation: 800 Feet Lat: 44°37N

Lon: 88°45W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.28	1.22	1.52	1971	4	2.94	1996	.10	1981	8.9	4.2	.5	.1	.30	.42	.60	.77	.94	1.12	1.31	1.55	1.86	2.35	2.82
Feb	.98	.94	1.25	1977	24	2.91	1981	.18	1982	6.7	3.1	.4	@	.18	.27	.41	.55	.68	.83	1.00	1.20	1.46	1.89	2.30
Mar	2.11	2.02	2.30	1973	7	5.11	1977	.19	1999	8.2	5.0	1.3	.3	.36	.55	.86	1.14	1.44	1.76	2.13	2.57	3.17	4.13	5.05
Apr	2.63	2.40	2.34	1981	4	4.87	1981	.59	1989	9.7	6.3	1.7	.4	.87	1.12	1.49	1.80	2.10	2.41	2.75	3.14	3.65	4.44	5.16
May	3.48	2.91	3.72	1970	31	8.00	1973	.92	1988	9.7	6.7	2.3	.8	1.16	1.49	1.97	2.38	2.78	3.18	3.63	4.15	4.81	5.85	6.80
Jun	3.62	2.80	2.86	1993	9	10.31	1993	.88	1988	10.0	6.9	2.4	.8	.83	1.17	1.70	2.18	2.65	3.16	3.72	4.39	5.28	6.68	8.01
Jul	4.08	3.78	3.01	1953	28	8.64	1993	1.09	1981	10.1	6.9	2.7	1.2	1.40	1.78	2.34	2.82	3.28	3.75	4.26	4.86	5.62	6.81	7.90
Aug	4.15	3.92	3.45	1958	10	9.44	1995	1.21	1999	10.3	7.4	2.9	1.1	1.23	1.62	2.21	2.72	3.22	3.74	4.31	4.99	5.86	7.22	8.49
Sep	3.61	3.40	3.45	1965	19	8.50	1986	.39	1976	10.3	6.7	2.5	.8	.79	1.12	1.65	2.13	2.61	3.12	3.70	4.38	5.29	6.73	8.09
Oct	2.39	2.32	2.62	1960	31	5.84	1995	.32	2000	8.4	5.2	1.6	.6	.64	.86	1.21	1.51	1.81	2.12	2.47	2.88	3.42	4.27	5.06
Nov	2.28	1.93	2.50	1984	1	5.39	1985	.00	1976	8.3	4.9	1.4	.5	.35	.65	1.04	1.36	1.67	2.00	2.37	2.80	3.37	4.27	5.11
Dec	1.43	1.44	1.25	1968	19	3.09	1971	.24	1993	8.6	4.6	.6	.1	.30	.43	.64	.83	1.02	1.22	1.45	1.73	2.10	2.69	3.24
Ann	32.04	32.72	3.72	May 1970	31	10.31	Jun 1993	.00	Nov 1976	109.2	67.9	20.3	6.7	23.69	25.33	27.42	29.00	30.39	31.74	33.12	34.65	36.49	39.15	41.44

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: CLINTONVILLE, WI

COOP ID: 471676

Climate Division: WI 5

NWS Call Sign:

Elevation: 800 Feet

Lat: 44° 37N

Lon: 88° 45W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	12.5	10.0	7	7	16.0	1971	4	32.0	1971	24	1971	31	20	1971	6.9	4.7	1.4	.4	.1	28.5	22.1	18.5	7.5
Feb	8.1	8.0	7	6	8.0	1971	22	22.5	1971	25	1971	5	20+	1979	4.6	3.1	.8	.2	.0	23.8	20.3	16.5	7.4
Mar	7.9	5.9	4	2	14.0	1997	14	21.0	1972	25	1972	7	16	1975	3.8	2.7	1.0	.4	@	12.3	8.1	6.5	4.1
Apr	2.6	1.5	#	#	7.0	1977	4	16.0	1977	14	1975	1	5	1975	1.1	.9	.3	.1	.0	1.9	.9	.5	.3
May	#	.0	#	0	#	1997	1	#+	1997	#	1997	1	#	1997	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.2	.0	#	0	2.7	1992	20	2.7	1992	3	1992	20	#+	1997	.2	.1	.0	.0	.0	.1	@	.0	.0
Nov	4.0	3.3	#	#	7.0	1971	26	13.2	1995	9	1977	28	2	1985	2.3	1.4	.5	.2	.0	3.6	1.5	.6	.0
Dec	10.1	9.8	3	2	11.0	1985	2	24.4	1985	17	1985	6	12	1985	5.9	4.0	1.3	.4	@	21.8	12.9	7.4	2.6
Ann	45.4	38.5	N/A	N/A	16.0	Jan 1971	4	32.0	Jan 1971	25+	Mar 1972	7	20+	Feb 1979	24.8	16.9	5.3	1.7	.1	92.0	65.8	50.0	21.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: CLINTONVILLE, WI

COOP ID: 471676

Climate Division: WI 5

NWS Call Sign:

Elevation: 800 Feet

Lat: 44°37N

Lon: 88°45W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/08	6/03	5/30	5/27	5/24	5/21	5/18	5/14	5/09
32	5/22	5/17	5/14	5/11	5/09	5/06	5/03	4/30	4/25
28	5/12	5/07	5/04	5/01	4/28	4/25	4/22	4/18	4/14
24	4/25	4/21	4/18	4/16	4/14	4/12	4/10	4/07	4/03
20	4/16	4/12	4/09	4/06	4/03	4/01	3/29	3/26	3/22
16	4/09	4/05	4/02	3/30	3/27	3/25	3/22	3/19	3/14
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/06	9/10	9/14	9/16	9/19	9/22	9/24	9/28	10/02
32	9/17	9/21	9/24	9/27	9/29	10/02	10/04	10/07	10/11
28	9/23	9/29	10/03	10/06	10/09	10/13	10/16	10/20	10/26
24	10/03	10/09	10/14	10/18	10/21	10/25	10/29	11/02	11/09
20	10/20	10/25	10/28	10/31	11/03	11/06	11/09	11/12	11/17
16	11/01	11/06	11/10	11/13	11/16	11/18	11/22	11/25	11/30
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	137	130	125	121	117	113	109	104	98
32	162	156	151	147	143	139	135	130	124
28	187	179	173	168	164	159	154	149	141
24	213	205	199	194	189	185	180	174	166
20	229	224	220	216	213	210	206	202	197
16	252	245	241	236	233	229	225	220	213

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography
of the United States
No. 20
1971-2000

Station: CLINTONVILLE, WI

COOP ID: 471676

Climate Division: WI 5 NWS Call Sign: Elevation: 800 Feet Lat: 44°37N Lon: 88°45W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1597	1302	1105	659	320	95	23	66	247	593	975	1416	8398
60	1442	1162	950	512	206	37	4	19	136	442	825	1261	6996
57	1349	1078	857	425	150	18	0	7	86	356	735	1168	6229
55	1287	1022	795	370	118	10	0	3	60	302	675	1106	5748
50	1132	882	642	244	57	2	0	0	19	185	527	951	4641
32	593	408	192	13	0	0	0	0	0	6	117	435	1764

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	19	30	109	344	731	981	1153	1063	758	436	132	42	5798
55	0	0	0	10	137	301	440	353	129	19	0	0	1389
57	0	0	0	6	107	248	378	295	94	11	0	0	1139
60	0	0	0	2	69	177	289	214	54	4	0	0	809
65	0	0	0	0	28	86	154	106	16	0	0	0	390
70	0	0	0	0	9	28	62	37	3	0	0	0	139

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	1	31	180	510	764	929	847	556	245	40	1	0	1	32	212	722	1486	2415	3262	3818	4063	4103	4104
45	0	0	10	100	362	614	774	692	409	141	16	0	0	0	10	110	472	1086	1860	2552	2961	3102	3118	3118
50	0	0	3	51	231	465	619	537	272	68	2	0	0	0	3	54	285	750	1369	1906	2178	2246	2248	2248
55	0	0	0	23	133	321	464	383	159	26	0	0	0	0	0	23	156	477	941	1324	1483	1509	1509	1509
60	0	0	0	7	63	190	310	235	80	5	0	0	0	0	0	7	70	260	570	805	885	890	890	890
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	23	123	314	483	608	542	338	154	25	0	0	0	23	146	460	943	1551	2093	2431	2585	2610	2610

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: COUDERAY 7 W, WI

COOP ID: 471847

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,300 Feet Lat: 45°48N

Lon: 91°28W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	18.7	-1.9	8.4	54+	1981	25	26.4	1990	-50+	1996	31	-6.8	1982	1755	0	.0	.0	.2	26.1	30.9	16.9
Feb	25.6	3.8	14.7	59	2000	29	28.0	1998	-55+	1996	4	.4	1979	1409	0	.0	.0	.5	18.5	27.6	11.5
Mar	37.8	18.5	28.2	72+	2000	7	37.7	1973	-48	1962	1	19.3	1984	1143	0	.0	.0	4.6	8.6	27.1	4.5
Apr	51.9	29.9	40.9	89	1952	28	49.3	1987	-5	1995	5	32.3	1996	725	2	.0	.0	16.7	.8	19.5	.1
May	67.8	40.8	54.3	92+	1988	31	64.0	1977	12	1966	9	46.7	1997	373	42	.0	.3	29.6	@	7.2	.0
Jun	74.5	51.0	62.8	98+	1995	22	74.0	1988	22	1993	1	51.9	1982	184	117	.0	1.2	30.0	.0	1.3	.0
Jul	79.0	57.7	68.4	102+	1995	14	77.0	1983	30	1990	13	57.8	1992	84	188	.3	3.4	31.0	.0	.1	.0
Aug	76.0	55.5	65.8	100	1988	1	74.2	1983	25	1976	29	59.3	1977	106	129	@	1.9	31.0	.0	.3	.0
Sep	66.4	44.2	55.3	95	1976	7	61.3	1990	16	1976	24	49.8	1993	301	11	.0	.2	29.7	.0	4.0	.0
Oct	54.8	33.5	44.2	87	1953	2	51.3	1973	3+	1993	31	37.4	1980	647	0	.0	.0	23.7	.1	15.2	.0
Nov	36.8	21.4	29.1	73	1978	3	38.6	1999	-32+	1976	30	20.0	1985	1078	0	.0	.0	5.3	8.6	25.8	1.7
Dec	24.1	6.7	15.4	61	1962	3	24.6	1994	-52	1983	19	-.3	1989	1538	0	.0	.0	.3	22.1	30.6	10.5
Ann	51.1	30.1	40.6	102+	Jul 1995	14	77.0	Jul 1983	-55+	Feb 1996	4	-6.8	Jan 1982	9343	489	.3	7.0	202.6	84.8	189.6	45.2

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

021-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: COUDERAY 7 W, WI

COOP ID: 471847

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,300 Feet Lat: 45°48N

Lon: 91°28W

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.07	.97	1.30	1996	18	2.38	1982	.00	1981	6.2	3.6	.4	.1	.18	.32	.50	.65	.79	.95	1.11	1.31	1.57	1.98	2.36
Feb	.96	.93	1.20+	1998	28	2.06	1998	.00	1995	5.2	2.9	.5	.1	.06	.16	.31	.45	.60	.77	.95	1.18	1.50	2.01	2.50
Mar	1.87	1.74	1.50	1986	18	4.08	1985	.09	1978	6.6	4.5	.9	.3	.39	.56	.83	1.08	1.33	1.60	1.90	2.27	2.75	3.52	4.25
Apr	2.63	2.72	2.80	1954	26	5.02	1977	.28+	1988	7.9	6.7	1.7	.5	.57	.81	1.20	1.55	1.90	2.27	2.69	3.20	3.86	4.92	5.92
May	3.27	2.62	3.20+	1959	26	6.02	1999	.65	1976	8.6	7.1	2.4	.6	1.07	1.38	1.84	2.23	2.60	2.99	3.41	3.90	4.54	5.52	6.44
Jun	4.48	4.33	4.70	1956	14	8.93	1981	1.89	1988	10.4	8.8	3.4	.9	1.79	2.20	2.78	3.27	3.72	4.19	4.69	5.27	6.00	7.13	8.15
Jul	4.76	4.83	4.22	1958	1	9.78	2000	1.05	1998	8.9	7.8	3.2	1.5	1.44	1.90	2.57	3.15	3.72	4.30	4.94	5.70	6.68	8.20	9.62
Aug	4.72	4.60	3.65	1985	9	8.39	1980	.85	1976	9.5	8.1	3.4	1.5	1.71	2.16	2.80	3.33	3.84	4.37	4.94	5.60	6.44	7.74	8.94
Sep	4.37	3.86	3.80	1968	23	11.51	1985	1.18	1976	9.2	8.0	2.7	1.1	1.15	1.57	2.20	2.76	3.30	3.88	4.52	5.27	6.26	7.81	9.27
Oct	3.29	2.78	5.00	1973	9	7.75	1982	1.00	1976	7.4	6.5	2.0	1.0	.96	1.27	1.74	2.15	2.54	2.96	3.41	3.95	4.65	5.74	6.75
Nov	2.08	1.82	2.45	2000	2	7.54	2000	.25	1981	6.2	4.9	1.3	.5	.26	.43	.72	1.01	1.32	1.66	2.05	2.54	3.20	4.28	5.33
Dec	1.02	.87	1.07	1959	28	2.46	1972	.00	1989	5.7	3.6	.4	@	.09	.21	.37	.52	.67	.84	1.03	1.25	1.56	2.05	2.52
Ann	34.52	33.45	5.00	Oct 1973	9	11.51	Sep 1985	.00+	Feb 1995	91.8	72.5	22.3	8.1	23.45	25.55	28.27	30.34	32.19	33.99	35.85	37.92	40.44	44.11	47.30

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: COUDERAY 7 W, WI

COOP ID: 471847

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,300 Feet

Lat: 45°48N

Lon: 91°28W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	3.6	-99.9	11	9	4.5	2000	10	7.1	2000	44	1997	24	40	1997	1.2	.8	.2	.0	.0	-9.9	-9.9	-9.9	-9.9
Feb	3.5	-99.9	12	11	6.9	2000	15	10.4	1999	39	1997	1	31	1997	1.1	.9	.3	.2	.0	-9.9	-9.9	-9.9	-9.9
Mar	1.4	-99.9	8	5	4.0	1971	15	4.3	2000	38	1996	4	27	1996	.3	.2	.2	.0	.0	-9.9	-9.9	-9.9	-9.9
Apr	5.1	5.3	2	0	10.0	1974	1	18.0	1974	35	1996	5	15	1971	1.3	1.2	.5	.2	.1	.0	.0	.0	.0
May	.1	.0	0	0	2.0	1989	6	2.0	1989	7	1984	1	1	1984	.1	.1	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	0	0	#	1974	21	#	1974	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	1.1	.0	#	0	4.0	1986	14	6.0	1992	5	1982	20	#+	2000	.4	.4	.2	.0	.0	.3	.1	.0	.0
Nov	3.0	-99.9	2	1	12.0	1994	29	12.0	1994	27	1991	30	7	1991	.8	.8	.3	.2	.1	-9.9	-9.9	-9.9	-9.9
Dec	4.2	-99.9	6	4	5.0	2000	16	16.9	2000	36	1996	31	22	1991	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9
Ann	22.0	-9.9	N/A	N/A	12.0	Nov 1994	29	18.0	Apr 1974	44	Jan 1997	24	40	Jan 1997	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: COUDERAY 7 W, WI

COOP ID: 471847

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,300 Feet

Lat: 45° 48N

Lon: 91° 28W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/08	6/29	6/23	6/18	6/13	6/08	6/03	5/28	5/19
32	6/23	6/16	6/11	6/07	6/03	5/30	5/26	5/21	5/14
28	6/11	6/04	5/30	5/26	5/22	5/19	5/15	5/10	5/03
24	5/26	5/20	5/15	5/11	5/07	5/03	4/29	4/24	4/17
20	5/16	5/08	5/03	4/28	4/23	4/19	4/14	4/08	4/01
16	4/30	4/23	4/19	4/15	4/11	4/07	4/03	3/29	3/23
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/17	8/23	8/28	9/01	9/05	9/08	9/12	9/17	9/23
32	8/26	9/01	9/05	9/09	9/13	9/16	9/20	9/25	10/01
28	9/03	9/10	9/15	9/19	9/23	9/27	10/01	10/06	10/13
24	9/14	9/20	9/25	9/28	10/02	10/05	10/09	10/13	10/19
20	9/27	10/04	10/08	10/12	10/16	10/20	10/24	10/29	11/04
16	10/14	10/19	10/23	10/27	10/30	11/02	11/05	11/09	11/15
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	114	103	96	89	83	77	70	62	51
32	131	121	113	107	101	95	89	82	72
28	152	142	134	128	123	117	111	104	94
24	177	167	159	153	147	141	135	128	118
20	208	197	188	182	175	169	162	154	142
16	227	218	212	206	201	196	191	184	175

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: COUDERAY 7 W, WI

COOP ID: 471847

Climate Division: WI 1 NWS Call Sign: Elevation: 1,300 Feet Lat: 45°48N Lon: 91°28W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1755	1409	1143	725	373	184	84	106	301	647	1078	1538	9343
60	1600	1269	988	580	262	110	36	45	179	495	928	1383	7875
57	1507	1185	895	497	206	75	20	24	121	408	838	1290	7066
55	1445	1129	833	444	172	56	14	15	88	353	778	1228	6555
50	1290	989	687	321	101	25	3	3	33	231	633	1073	5389
32	771	536	241	49	4	0	0	0	0	17	208	562	2388

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	38	51	122	317	696	923	1127	1046	700	393	121	47	5581
55	0	0	0	22	151	288	427	348	98	17	0	0	1351
57	0	0	0	15	123	247	372	294	70	10	0	0	1131
60	0	0	0	8	86	193	294	223	39	4	0	0	847
65	0	0	0	2	42	117	188	129	11	0	0	0	489
70	0	0	0	0	19	59	108	62	2	0	0	0	250

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	2	24	147	467	706	920	839	508	214	29	1	0	2	26	173	640	1346	2266	3105	3613	3827	3856	3857
45	0	1	11	80	325	556	765	684	365	117	10	0	0	1	12	92	417	973	1738	2422	2787	2904	2914	2914
50	0	0	2	39	210	410	610	529	236	53	3	0	0	0	2	41	251	661	1271	1800	2036	2089	2092	2092
55	0	0	0	17	120	276	457	375	132	21	0	0	0	0	0	17	137	413	870	1245	1377	1398	1398	1398
60	0	0	0	3	58	162	308	236	68	2	0	0	0	0	0	3	61	223	531	767	835	837	837	837
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	12	104	312	456	611	545	315	143	16	0	0	1	13	117	429	885	1496	2041	2356	2499	2515	2515

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: CRIVITZ HIGH FALLS, WI

COOP ID: 471897

Climate Division: WI 3

NWS Call Sign:

Elevation: 1,050 Feet Lat: 45°21N

Lon: 88°12W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	23.9	.1	12.0	52	1973	26	21.4	1990	-40	1951	30	3.1	1977	1644	0	.0	.0	.1	25.0	31.0	14.9
Feb	28.9	4.6	16.8	58	1958	23	28.9	1998	-37	1996	3	7.2	1979	1351	0	.0	.0	.6	17.9	28.0	10.7
Mar	39.1	16.1	27.6	76+	2000	9	35.9	1973	-31	1962	1	20.4	1996	1159	0	.0	.0	4.5	8.0	28.5	3.9
Apr	53.6	28.2	40.9	91	1990	27	46.3	1987	-3	1950	6	35.1	1995	723	0	.0	.1	18.1	.7	19.6	.0
May	67.9	39.5	53.7	94+	1970	22	62.1	1977	17	1992	6	45.8	1997	373	23	.0	.5	29.2	.0	7.2	.0
Jun	76.1	49.1	62.6	99	1971	28	67.2	1995	28+	1994	3	57.2	1982	122	49	.0	1.5	30.0	.0	.4	.0
Jul	79.9	53.8	66.9	103	1955	26	71.4	1983	33+	1986	3	60.8	1992	55	113	.1	2.2	31.0	.0	.0	.0
Aug	77.6	52.7	65.2	100	1955	21	69.8	1983	31	1965	29	60.0	1986	79	85	.0	1.1	31.0	.0	@	.0
Sep	68.6	43.4	56.0	98	1953	2	61.6	1998	19	1949	29	50.7	1974	277	7	.0	.1	29.6	.0	2.7	.0
Oct	56.6	32.3	44.5	88+	1963	7	52.2	1971	11	1988	30	38.6	1987	638	0	.0	.0	22.3	@	15.6	.0
Nov	40.5	21.0	30.8	75	1975	6	37.3	1999	-14	1950	24	22.5	1995	1026	0	.0	.0	5.9	6.3	26.0	.7
Dec	28.1	8.0	18.1	62	1998	4	26.1	1997	-27	1983	23	6.4	1989	1455	0	.0	.0	.5	20.5	30.4	8.4
Ann	53.4	29.1	41.3	103	Jul 1955	26	71.4	Jul 1983	-40	Jan 1951	30	3.1	Jan 1977	8902	277	.1	5.5	202.8	78.4	189.4	38.6

+ Also occurred on an earlier date(s)

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Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

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**Climatography
of the United States
No. 20
1971-2000**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: CRIVITZ HIGH FALLS, WI

COOP ID: 471897

Climate Division: WI 3

NWS Call Sign:

Elevation: 1,050 Feet Lat: 45°21N

Lon: 88°12W

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.18	.99	2.03	1996	19	3.28	1996	.07	1981	7.5	3.8	.5	@	.21	.31	.49	.65	.81	.99	1.19	1.43	1.76	2.28	2.78
Feb	.89	.79	1.20	1955	20	2.22	1981	.07	1993	5.6	3.1	.3	.0	.11	.18	.30	.43	.56	.71	.88	1.09	1.38	1.85	2.31
Mar	1.88	2.00	1.90	1986	19	5.67	1977	.05	1993	7.1	4.7	1.3	.3	.23	.38	.64	.91	1.18	1.49	1.85	2.30	2.90	3.89	4.85
Apr	2.49	2.39	1.80	1958	6	4.31	1993	.41	1997	8.3	5.9	1.6	.4	.77	1.01	1.36	1.66	1.95	2.26	2.59	2.98	3.48	4.27	4.99
May	3.26	3.04	2.50	1976	16	7.95	1973	.77	1986	9.4	6.5	2.1	.7	.93	1.24	1.71	2.11	2.51	2.92	3.38	3.92	4.62	5.71	6.73
Jun	3.51	3.30	3.80	1969	27	7.51	1993	1.02	1988	9.7	6.9	2.3	.9	1.16	1.49	1.98	2.39	2.79	3.20	3.65	4.18	4.86	5.91	6.88
Jul	3.29	2.83	4.87	1982	11	8.51	1982	.33	1998	9.0	6.7	2.2	.8	.84	1.15	1.63	2.05	2.47	2.91	3.40	3.98	4.74	5.94	7.06
Aug	3.67	3.26	5.62	1974	3	12.53	1974	1.22	1991	9.5	6.5	2.2	.6	1.08	1.43	1.95	2.40	2.84	3.30	3.81	4.40	5.17	6.38	7.50
Sep	3.71	3.39	2.90	1975	11	7.95	1994	1.10	1999	10.1	6.9	2.5	.8	1.24	1.60	2.11	2.55	2.97	3.40	3.87	4.42	5.13	6.23	7.24
Oct	2.27	1.91	2.71	1995	6	6.25	1995	.49	1975	7.9	4.9	1.4	.5	.64	.85	1.18	1.46	1.74	2.03	2.36	2.74	3.23	4.00	4.73
Nov	2.19	2.11	3.28	1985	4	5.31	1985	.00	1976	7.5	4.9	1.3	.5	.29	.56	.93	1.24	1.56	1.89	2.25	2.70	3.28	4.20	5.08
Dec	1.49	1.56	1.60	1959	28	2.88	1982	.00	1986	7.6	4.7	.7	.0	.25	.45	.70	.91	1.11	1.32	1.56	1.83	2.19	2.76	3.29
Ann	29.83	30.07	5.62	Aug 1974	3	12.53	Aug 1974	.00+	Dec 1986	99.2	65.5	18.4	5.5	21.38	23.02	25.12	26.71	28.12	29.48	30.89	32.44	34.32	37.05	39.41

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

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Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: CRIVITZ HIGH FALLS, WI

COOP ID: 471897

Climate Division: WI 3

NWS Call Sign:

Elevation: 1,050 Feet

Lat: 45°21N

Lon: 88°12W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	12.0	11.8	12	11	16.0	1971	4	34.6	1999	39	1971	30	31	1971	6.2	4.5	1.6	.7	.2	-9.9	-9.9	-9.9	-9.9
Feb	9.2	8.2	15	14	10.5	1974	22	23.5	1971	47	1979	28	41	1979	3.8	2.8	1.0	.4	@	-9.9	-9.9	-9.9	-9.9
Mar	10.4	7.5	9	5	14.0	1989	4	34.9	1989	42+	1979	1	31	1979	3.7	2.7	1.4	.7	.2	-9.9	-9.9	-9.9	-9.9
Apr	3.0	1.0	1	#	11.0	1977	5	14.0	1977	19	1972	1	8	1972	1.0	.7	.3	.2	.1	2.6	2.2	1.8	1.1
May	.3	.0	#	0	4.0	1990	11	7.0	1990	7	1990	11	#	1990	.1	.1	.1	.0	.0	.1	.1	@	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.2	.0	#	0	2.0	1992	16	4.0	1992	#+	1993	9	#+	1993	.2	.1	.0	.0	.0	.0	.0	.0	.0
Nov	2.4	1.0	#	#	6.0	1991	27	8.5	1971	12	1991	27	2	1991	1.9	1.3	.5	.1	.0	2.1	.9	.5	.0
Dec	12.7	13.0	5	4	10.5	1990	18	25.5	1996	21	1983	31	14	1995	5.2	4.1	1.7	.6	@	-9.9	-9.9	-9.9	-9.9
Ann	50.2	42.5	N/A	N/A	16.0	Jan 1971	4	34.9	Mar 1989	47	Feb 1979	28	41	Feb 1979	22.1	16.3	6.6	2.7	.5	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: CRIVITZ HIGH FALLS, WI

COOP ID: 471897

Climate Division: WI 3

NWS Call Sign:

Elevation: 1,050 Feet

Lat: 45° 21N

Lon: 88° 12W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/29	6/22	6/18	6/14	6/10	6/06	6/02	5/28	5/22
32	6/07	6/03	5/30	5/27	5/25	5/22	5/19	5/16	5/12
28	5/27	5/22	5/18	5/15	5/12	5/09	5/06	5/02	4/27
24	5/12	5/07	5/04	5/01	4/29	4/26	4/23	4/20	4/15
20	5/02	4/28	4/25	4/22	4/20	4/17	4/15	4/12	4/08
16	4/18	4/14	4/11	4/08	4/06	4/04	4/01	3/29	3/25
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/25	8/30	9/03	9/06	9/09	9/12	9/15	9/19	9/24
32	9/05	9/10	9/13	9/16	9/19	9/21	9/24	9/28	10/02
28	9/21	9/26	9/29	10/02	10/05	10/08	10/10	10/14	10/18
24	9/27	10/03	10/07	10/11	10/15	10/18	10/22	10/26	11/01
20	10/10	10/15	10/19	10/22	10/26	10/29	11/01	11/05	11/10
16	10/23	10/28	11/01	11/04	11/07	11/09	11/12	11/16	11/21
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	120	110	103	96	91	85	79	71	61
32	137	130	125	120	116	112	108	102	95
28	166	158	153	149	145	141	136	131	124
24	194	185	179	173	168	163	158	152	143
20	209	202	196	192	188	184	179	174	167
16	232	226	221	217	214	210	206	202	196

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography
of the United States
No. 20
1971-2000

Station: CRIVITZ HIGH FALLS, WI

COOP ID: 471897

Climate Division: WI 3 NWS Call Sign: Elevation: 1,050 Feet Lat: 45°21N Lon: 88°12W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1644	1351	1159	723	373	122	55	79	277	638	1026	1455	8902
60	1489	1211	1004	575	253	49	13	23	155	486	876	1300	7434
57	1396	1127	911	488	193	24	5	9	99	399	786	1207	6644
55	1334	1071	849	431	158	14	0	3	69	344	726	1145	6144
50	1179	931	694	299	87	3	0	0	23	221	578	990	5005
32	632	448	214	25	2	0	0	0	0	13	148	463	1945

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	11	21	78	292	675	918	1081	1028	720	398	112	31	5365
55	0	0	0	8	118	241	368	319	99	16	0	0	1169
57	0	0	0	5	91	192	311	262	68	9	0	0	938
60	0	0	0	2	58	127	226	183	35	4	0	0	635
65	0	0	0	0	23	49	113	85	7	0	0	0	277
70	0	0	0	0	8	11	40	26	1	0	0	0	86

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	17	137	453	698	855	797	501	198	30	0	0	0	17	154	607	1305	2160	2957	3458	3656	3686	3686
45	0	0	5	74	312	549	700	642	356	102	8	0	0	0	5	79	391	940	1640	2282	2638	2740	2748	2748
50	0	0	0	35	193	400	545	488	227	47	2	0	0	0	0	35	228	628	1173	1661	1888	1935	1937	1937
55	0	0	0	15	106	265	391	335	124	15	0	0	0	0	0	15	121	386	777	1112	1236	1251	1251	1251
60	0	0	0	4	52	145	248	201	55	3	0	0	0	0	0	4	56	201	449	650	705	708	708	708
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	16	108	301	439	553	507	312	129	16	0	0	0	16	124	425	864	1417	1924	2236	2365	2381	2381

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: CUMBERLAND, WI

COOP ID: 471923

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,240 Feet Lat: 45°32N

Lon: 92°01W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	18.5	-1.4	8.6	52	1981	25	21.4	1990	-41	1950	30	-2.7	1977	1751	0	.0	.0	.1	26.0	31.0	15.4
Feb	25.8	4.4	15.1	57+	1981	18	30.3	1998	-38	1996	2	5.1	1989	1398	0	.0	.0	.3	17.3	27.6	9.6
Mar	37.7	17.4	27.6	80	1986	31	36.7	2000	-36	1962	1	19.4	1975	1161	0	.0	.0	5.5	7.4	27.6	3.5
Apr	54.0	32.1	43.1	92	1980	21	50.2	1987	1	1979	6	36.5	1975	660	1	.0	@	20.8	.5	15.2	.0
May	68.0	45.1	56.6	96	1988	31	64.2	1977	18	1989	6	50.6	1983	294	33	.0	.2	30.4	.0	1.7	.0
Jun	76.5	55.1	65.8	98	1963	30	71.2	1988	36+	1998	3	60.9	1982	76	101	.0	1.9	30.0	.0	.0	.0
Jul	80.5	60.2	70.4	103	1988	15	75.4	1988	41	1967	4	64.0	1992	20	186	.1	3.3	31.0	.0	.0	.0
Aug	77.8	57.7	67.8	101	1988	16	72.8	1983	37	1986	28	63.5	1977	46	132	@	1.7	31.0	.0	.0	.0
Sep	67.5	47.4	57.5	95	1976	7	64.5	1998	24	1989	24	52.5	1993	245	18	.0	.2	29.7	.0	.8	.0
Oct	55.3	35.6	45.5	88	1971	1	51.0	1971	8	1976	27	40.3	1987	606	0	.0	.0	23.8	.1	10.3	.0
Nov	36.7	21.2	29.0	71	1978	3	38.7	1999	-16	1985	29	20.8	1985	1081	0	.0	.0	5.3	8.9	25.6	1.2
Dec	22.3	6.0	14.2	60	1998	3	25.0	1997	-39	1983	19	1.1	1983	1576	0	.0	.0	.3	23.3	30.7	9.7
Ann	51.7	31.7	41.8	103	Jul 1988	15	75.4	Jul 1988	-41	Jan 1950	30	-2.7	Jan 1977	8914	471	.1	7.3	208.2	83.5	170.5	39.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

023-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: CUMBERLAND, WI

COOP ID: 471923

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,240 Feet Lat: 45°32N

Lon: 92°01W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.19	1.15	1.54	1996	18	2.82	1996	.00	1981	7.2	3.7	.5	.1	.23	.40	.60	.76	.92	1.08	1.25	1.46	1.73	2.14	2.53
Feb	.93	.77	1.84	2000	26	3.10	2000	.08	1997	5.1	3.1	.4	@	.13	.21	.35	.48	.61	.76	.93	1.14	1.42	1.88	2.32
Mar	1.82	1.56	2.10	1956	28	4.89	1977	.31	1994	6.4	4.3	1.2	.2	.38	.55	.82	1.06	1.31	1.57	1.86	2.22	2.68	3.43	4.13
Apr	2.65	2.56	3.30	1954	26	5.59	1977	.00	1987	8.3	5.7	1.7	.5	.47	.83	1.29	1.64	2.00	2.37	2.77	3.25	3.87	4.85	5.76
May	3.28	2.98	3.31	1970	31	6.13	1993	.47	1976	9.5	6.6	2.4	.6	1.10	1.41	1.87	2.25	2.62	3.00	3.42	3.91	4.53	5.50	6.39
Jun	4.55	4.39	3.80	1991	14	9.32	1984	1.65	1973	10.3	7.7	3.2	1.2	1.71	2.14	2.75	3.25	3.73	4.23	4.76	5.38	6.16	7.37	8.48
Jul	4.38	3.40	4.34	2000	9	9.39	2000	1.07	1988	9.4	7.0	3.0	1.1	1.22	1.64	2.27	2.82	3.35	3.91	4.53	5.27	6.22	7.71	9.11
Aug	4.59	4.21	6.40	1960	28	8.76	1980	1.21	1976	9.3	6.9	3.5	1.3	1.90	2.32	2.91	3.40	3.85	4.32	4.81	5.39	6.11	7.22	8.23
Sep	4.10	3.42	3.29	1968	23	9.94	1991	1.39	1979	9.8	6.7	2.9	1.2	1.31	1.69	2.27	2.76	3.24	3.73	4.27	4.90	5.72	6.98	8.16
Oct	2.64	2.29	3.23	1950	2	6.14	1995	.53	1976	7.6	5.8	1.9	.6	.61	.86	1.25	1.59	1.94	2.30	2.71	3.20	3.84	4.86	5.82
Nov	2.26	1.99	2.14	1991	30	6.05	1991	.37	1976	7.4	4.9	1.7	.5	.34	.53	.86	1.18	1.50	1.86	2.27	2.77	3.44	4.53	5.58
Dec	1.14	1.06	2.04	1965	12	2.86	1982	.28	1999	6.6	3.6	.4	.1	.26	.36	.53	.68	.83	.99	1.16	1.38	1.66	2.10	2.52
Ann	33.53	34.18	6.40	Aug 1960	28	9.94	Sep 1991	.00+	Apr 1987	96.9	66.0	22.8	7.4	24.06	25.90	28.26	30.04	31.62	33.15	34.73	36.48	38.59	41.65	44.30

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: CUMBERLAND, WI

COOP ID: 471923

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,240 Feet

Lat: 45°32N

Lon: 92°01W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	15.5	14.5	13	13	15.0	1982	22	35.0	1982	36+	1984	1	24	1982	6.7	4.9	1.5	.6	@	30.3	29.6	29.1	19.5
Feb	7.9	6.3	14	12	9.3	1983	3	20.0	1971	34	1971	15	29	1971	4.3	3.4	.9	.3	.0	-9.9	-9.9	-9.9	-9.9
Mar	9.8	8.0	8	6	13.0	1989	4	23.5	1976	35	1972	10	23	1972	3.2	2.8	1.2	.8	.1	15.2	13.2	11.8	9.1
Apr	3.9	1.0	1	#	10.0	1985	1	20.3	1983	16	1975	2	4	1975	1.2	1.0	.4	.3	@	3.1	2.5	2.0	.8
May	#	.0	0	0	#	1989	6	#+	1989	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	0	0	#	1985	24	#	1985	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.7	.0	#	0	3.0	1989	31	3.5	1992	3	1992	20	#+	1997	.4	.3	@	.0	.0	.3	@	.0	.0
Nov	6.3	4.0	1	#	18.0	1991	30	22.5	1983	20	1991	5	8	1991	3.4	2.6	1.1	.3	@	6.2	3.5	2.2	.2
Dec	11.4	11.5	6	4	14.3	1982	28	27.5	1996	37	1983	29	26+	1991	5.7	4.3	1.1	.4	@	23.4	20.5	14.6	5.4
Ann	55.5	45.3	N/A	N/A	18.0	Nov 1991	30	35.0	Jan 1982	37	Dec 1983	29	29	Feb 1971	24.9	19.3	6.2	2.7	.1	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: CUMBERLAND, WI

COOP ID: 471923

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,240 Feet

Lat: 45°32N

Lon: 92°01W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/31	5/26	5/23	5/20	5/17	5/14	5/11	5/07	5/03
32	5/19	5/14	5/11	5/09	5/06	5/04	5/01	4/28	4/24
28	5/04	4/30	4/27	4/24	4/22	4/20	4/17	4/14	4/10
24	4/25	4/21	4/18	4/15	4/13	4/11	4/08	4/05	4/01
20	4/19	4/15	4/12	4/09	4/07	4/04	4/02	3/29	3/25
16	4/14	4/09	4/06	4/03	4/01	3/29	3/26	3/23	3/19
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/11	9/15	9/18	9/20	9/22	9/24	9/27	9/30	10/04
32	9/19	9/23	9/26	9/29	10/01	10/03	10/06	10/09	10/13
28	9/29	10/05	10/09	10/12	10/16	10/19	10/22	10/26	11/01
24	10/10	10/16	10/20	10/24	10/27	10/31	11/03	11/08	11/14
20	10/19	10/25	10/28	11/01	11/04	11/07	11/10	11/14	11/19
16	10/27	11/01	11/05	11/08	11/11	11/14	11/18	11/21	11/27
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	146	140	135	131	128	124	120	115	109
32	165	159	154	151	147	143	139	135	128
28	198	191	185	180	176	171	167	161	153
24	221	212	206	201	196	191	186	180	172
20	234	226	220	215	210	205	200	194	186
16	245	238	233	228	224	220	215	210	202

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: CUMBERLAND, WI

COOP ID: 471923

Climate Division: WI 1 NWS Call Sign: Elevation: 1,240 Feet Lat: 45°32N Lon: 92°01W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1751	1398	1161	660	294	76	20	46	245	606	1081	1576	8914
60	1596	1258	1006	514	186	26	3	12	135	454	931	1421	7542
57	1503	1174	913	431	134	11	0	4	86	367	841	1328	6792
55	1441	1118	851	378	104	6	0	2	60	311	781	1266	6318
50	1286	978	698	259	49	1	0	0	19	191	633	1111	5225
32	740	503	241	25	0	0	0	0	0	8	198	583	2298

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	13	30	103	357	762	1014	1190	1109	764	424	107	30	5903
55	0	0	0	20	153	330	477	397	134	15	0	0	1526
57	0	0	0	13	120	276	415	337	100	8	0	0	1269
60	0	0	0	6	79	200	324	252	59	3	0	0	923
65	0	0	0	1	33	101	186	132	18	0	0	0	471
70	0	0	0	0	11	36	87	52	4	0	0	0	190

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	24	199	564	797	966	890	576	249	33	1	0	0	24	223	787	1584	2550	3440	4016	4265	4298	4299
45	0	0	7	112	412	647	811	735	430	145	10	0	0	0	7	119	531	1178	1989	2724	3154	3299	3309	3309
50	0	0	2	58	274	498	656	580	290	66	2	0	0	0	2	60	334	832	1488	2068	2358	2424	2426	2426
55	0	0	0	21	159	350	501	425	171	22	0	0	0	0	0	21	180	530	1031	1456	1627	1649	1649	1649
60	0	0	0	7	83	214	347	276	85	5	0	0	0	0	0	7	90	304	651	927	1012	1017	1017	1017
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	17	136	349	505	642	579	340	145	15	0	0	0	17	153	502	1007	1649	2228	2568	2713	2728	2728

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: DALTON, WI

COOP ID: 471970

Climate Division: WI 5

NWS Call Sign:

Elevation: 860 Feet Lat: 43°39N Lon: 89°12W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	26.6	8.0	17.3	56	1973	26	28.8	1990	-39	1951	30	4.8	1977	1478	0	.0	.0	.3	21.0	30.6	9.9
Feb	32.6	13.2	22.9	63	1984	22	33.7	1998	-34	1996	3	12.0	1979	1178	0	.0	.0	1.4	13.9	26.8	6.0
Mar	44.1	23.5	33.8	83	1986	29	41.4	2000	-27	1962	1	27.0	1975	969	0	.0	.0	8.4	5.2	25.3	1.3
Apr	58.8	34.5	46.7	91	1980	22	53.3	1977	4	1982	7	40.6	1975	553	2	.0	@	22.3	.3	13.3	.0
May	71.8	45.8	58.8	92+	1991	28	66.2	1977	22+	1989	7	53.3	1997	238	45	.0	.2	30.7	.0	2.8	.0
Jun	80.5	54.9	67.7	102	1988	20	72.0	1988	30	1963	21	61.8	1982	44	125	.1	2.6	30.0	.0	.0	.0
Jul	83.9	59.7	71.8	103	1995	13	75.9	1983	40	1965	6	67.1	1992	9	219	.1	4.5	31.0	.0	.0	.0
Aug	81.5	58.0	69.8	103+	1988	17	75.4	1995	33	1986	28	65.8	1986	27	174	.1	2.1	31.0	.0	.0	.0
Sep	73.1	49.7	61.4	99	1955	9	66.7	1998	20	1949	29	55.8	1993	145	38	.0	.5	30.0	.0	1.1	.0
Oct	61.2	39.0	50.1	91	1963	6	57.4	1971	11	1988	30	44.1	1987	466	3	.0	.0	26.4	.0	8.3	.0
Nov	44.2	26.9	35.6	76+	1999	9	43.4	1999	-14	1950	25	27.7	1995	884	0	.0	.0	8.7	4.1	21.3	.4
Dec	31.1	14.1	22.6	65	1962	2	30.7	1982	-28	1983	19	11.5	2000	1315	0	.0	.0	1.2	16.6	29.7	5.6
Ann	57.5	35.6	46.5	103+	Jul 1995	13	75.9	Jul 1983	-39	Jan 1951	30	4.8	Jan 1977	7306	606	.3	9.9	221.4	61.1	159.2	23.2

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

024-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: DALTON, WI

COOP ID: 471970

Climate Division: WI 5

NWS Call Sign:

Elevation: 860 Feet Lat: 43°39N

Lon: 89°12W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.26	1.20	1.13	1967	24	3.05	1999	.08	1981	8.9	4.0	.4	@	.25	.36	.55	.72	.89	1.08	1.29	1.54	1.87	2.41	2.91
Feb	1.13	1.11	1.74	1981	22	3.13	1971	.03	1987	6.6	3.0	.5	.1	.09	.16	.31	.47	.64	.84	1.08	1.38	1.79	2.49	3.18
Mar	2.26	2.37	2.64	1998	31	5.49	1998	.22	1978	9.0	5.0	1.3	.4	.42	.62	.95	1.25	1.57	1.91	2.29	2.75	3.37	4.36	5.31
Apr	3.11	3.14	2.79	1955	24	7.12	1973	.81	1997	10.7	6.6	2.1	.5	1.23	1.52	1.93	2.27	2.59	2.91	3.26	3.67	4.18	4.97	5.69
May	3.57	3.36	4.69	1989	30	6.96	1973	.26	1981	11.0	6.6	2.3	.7	.88	1.22	1.74	2.20	2.66	3.14	3.68	4.32	5.16	6.49	7.73
Jun	4.08	3.52	2.81	2001	12	9.99	1990	.92	1988	10.4	7.0	2.8	1.2	1.05	1.44	2.03	2.55	3.07	3.61	4.22	4.93	5.87	7.35	8.73
Jul	4.19	3.32	4.68	1991	21	13.77	1999	1.04	1975	9.9	6.8	2.8	1.1	1.29	1.69	2.28	2.79	3.28	3.80	4.36	5.02	5.88	7.21	8.45
Aug	3.87	3.45	3.10	1979	10	11.31	1980	.93	1996	9.7	6.7	2.8	.9	1.11	1.47	2.03	2.51	2.98	3.47	4.01	4.65	5.48	6.78	7.98
Sep	3.60	3.24	4.18	1988	22	10.17	1986	.52	1979	10.0	6.1	2.5	.9	.58	.89	1.41	1.91	2.42	2.98	3.61	4.39	5.43	7.12	8.73
Oct	2.40	2.00	3.00	1954	3	5.47	1984	.65	1975	9.5	5.6	1.2	.3	.75	.98	1.32	1.61	1.89	2.18	2.50	2.88	3.36	4.11	4.81
Nov	2.41	2.05	2.68	1956	15	6.36	1985	.00	1976	9.2	5.4	1.3	.3	.41	.74	1.15	1.48	1.80	2.14	2.51	2.95	3.53	4.43	5.28
Dec	1.42	1.42	1.19	1968	19	2.82	1971	.10	1998	8.7	3.7	.6	.2	.26	.38	.59	.78	.98	1.19	1.44	1.73	2.12	2.75	3.35
Ann	33.30	33.32	4.69	May 1989	30	13.77	Jul 1999	.00	Nov 1976	113.6	66.5	20.6	6.6	26.04	27.50	29.34	30.72	31.93	33.09	34.28	35.58	37.15	39.39	41.31

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: DALTON, WI

COOP ID: 471970

Climate Division: WI 5

NWS Call Sign:

Elevation: 860 Feet

Lat: 43°39N

Lon: 89°12W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	11.7	11.3	6	5	21.0	1999	2	25.5	1994	26	1979	24	19	1979	7.1	4.1	1.4	.4	.1	24.2	18.3	13.8	7.8
Feb	7.7	7.4	6	5	7.5	1994	23	20.0	1997	25	1979	21	23	1979	5.0	2.6	1.0	.3	.0	22.1	17.6	12.2	6.6
Mar	8.7	8.7	3	2	11.0	1972	29	18.2	1989	18	1979	1	11	1979	4.1	2.5	.9	.5	.1	10.5	8.1	5.3	2.6
Apr	3.0	2.0	#	#	10.0	1973	9	13.8	1993	12	1973	10	2	1973	1.4	.9	.3	.2	@	1.4	.9	.4	.1
May	.1	.0	#	0	4.0	1990	10	4.0	1990	#	1990	10	#	1990	.1	@	@	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	0	0	#	1983	22	#	1983	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.5	.0	#	0	4.5	1997	26	4.5	1997	4	1997	26	#+	1997	.3	.2	.1	.0	.0	.1	@	.0	.0
Nov	4.8	3.0	1	#	14.0	1985	9	22.3	1985	12	1985	9	2	1995	2.7	1.8	.6	.1	@	3.6	1.6	.8	.1
Dec	10.0	9.0	3	2	13.0	1990	3	25.4	1977	19	2000	29	16	1985	6.2	3.5	1.3	.4	.1	17.6	11.5	7.0	2.7
Ann	46.5	41.4	N/A	N/A	21.0	Jan 1999	2	25.5	Jan 1994	26	Jan 1979	24	23	Feb 1979	26.9	15.6	5.6	1.9	.3	79.5	58.0	39.5	19.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: DALTON, WI

COOP ID: 471970

Climate Division: WI 5

NWS Call Sign:

Elevation: 860 Feet

Lat: 43°39N

Lon: 89°12W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/13	6/06	6/02	5/29	5/26	5/22	5/18	5/14	5/08
32	5/27	5/22	5/18	5/15	5/12	5/10	5/07	5/03	4/28
28	5/13	5/08	5/04	4/30	4/27	4/24	4/21	4/17	4/11
24	4/29	4/25	4/21	4/18	4/15	4/12	4/09	4/06	4/01
20	4/17	4/13	4/10	4/08	4/06	4/04	4/01	3/30	3/26
16	4/12	4/07	4/04	4/01	3/29	3/26	3/23	3/19	3/14
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/09	9/13	9/15	9/17	9/20	9/22	9/24	9/26	9/30
32	9/17	9/21	9/23	9/26	9/28	9/30	10/02	10/04	10/08
28	9/24	9/29	10/02	10/05	10/08	10/11	10/14	10/18	10/23
24	10/05	10/11	10/15	10/19	10/22	10/25	10/29	11/02	11/08
20	10/20	10/24	10/27	10/30	11/01	11/04	11/06	11/10	11/14
16	10/28	11/03	11/07	11/10	11/14	11/17	11/20	11/24	11/30
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	136	129	124	120	116	112	108	103	97
32	153	148	144	141	137	134	131	127	122
28	185	178	172	168	163	159	155	149	142
24	214	206	199	194	189	184	179	172	164
20	223	218	215	212	209	206	203	199	195
16	256	246	240	234	229	224	218	211	202

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: DALTON, WI

COOP ID: 471970

Climate Division: WI 5 NWS Call Sign: Elevation: 860 Feet Lat: 43°39N Lon: 89°12W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1478	1178	969	553	238	44	9	27	145	466	884	1315	7306
60	1323	1038	814	409	140	11	0	5	62	323	734	1160	6019
57	1230	954	721	329	95	4	0	1	32	247	644	1067	5324
55	1168	898	659	279	71	2	0	0	18	202	585	1005	4887
50	1013	758	513	171	29	0	0	0	3	110	443	850	3890
32	494	315	119	6	0	0	0	0	0	2	86	363	1385

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	38	61	174	444	831	1071	1234	1170	883	562	192	71	6731
55	0	0	1	27	188	383	521	457	211	49	1	0	1838
57	0	0	0	17	151	325	459	396	165	32	0	0	1545
60	0	0	0	8	103	242	366	307	105	15	0	0	1146
65	0	0	0	2	45	125	219	174	38	3	0	0	606
70	0	0	0	0	15	47	102	79	8	0	0	0	251

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	6	63	242	580	826	983	921	641	329	66	4	0	6	69	311	891	1717	2700	3621	4262	4591	4657	4661
45	0	1	28	140	427	676	828	766	496	208	29	2	0	1	29	169	596	1272	2100	2866	3362	3570	3599	3601
50	0	0	12	77	287	526	673	611	352	118	8	0	0	0	12	89	376	902	1575	2186	2538	2656	2664	2664
55	0	0	7	34	175	377	518	456	223	56	1	0	0	0	7	41	216	593	1111	1567	1790	1846	1847	1847
60	0	0	0	15	88	242	365	305	127	21	0	0	0	0	0	15	103	345	710	1015	1142	1163	1163	1163
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	41	157	367	539	661	609	401	193	33	2	0	1	42	199	566	1105	1766	2375	2776	2969	3002	3004

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: DANBURY, WI

COOP ID: 471978

Climate Division: WI 1

NWS Call Sign:

Elevation: 925 Feet Lat: 46°00N Lon: 92°22W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	19.8	-1.6	9.1	53	1981	24	21.2	1990	-46	1950	30	-1.8	1977	1735	0	.0	.0	.1	25.9	31.0	16.4
Feb	27.0	5.4	16.2	58	1958	23	31.3	1998	-43	1996	1	4.1	1989	1366	0	.0	.0	.7	17.4	27.6	11.0
Mar	38.3	18.3	28.3	80	1986	31	36.4	2000	-39	1962	1	20.3	1975	1137	0	.0	.0	5.2	8.0	27.5	3.8
Apr	54.1	30.7	42.4	92	1980	21	48.2	1987	-3	1954	3	35.7	1975	678	0	.0	@	19.8	.7	17.1	@
May	67.6	42.4	55.0	93	1959	2	62.2	1977	14	1953	13	48.9	1979	332	22	.0	.2	29.9	.0	4.9	.0
Jun	75.2	51.5	63.4	99	1949	12	67.8	1995	20	1964	1	57.9	1982	106	57	.0	1.1	30.0	.0	.3	.0
Jul	79.0	57.1	68.1	101	1988	16	72.9	1988	35+	1967	5	61.9	1992	41	135	.1	2.2	31.0	.0	.0	.0
Aug	77.0	55.2	66.1	98+	1988	1	70.6	1983	30+	1964	14	61.5	1977	67	101	.0	1.0	31.0	.0	@	.0
Sep	67.6	46.1	56.9	96	1976	7	63.2	1998	20+	1957	26	51.5	1993	257	12	.0	.1	29.5	.0	2.9	.0
Oct	56.4	35.2	45.8	88	1953	2	51.5	1973	4+	1952	20	39.6	1987	596	0	.0	.0	23.1	.1	13.5	.0
Nov	38.2	22.0	30.1	81	1950	1	39.1	1999	-25+	1976	30	23.1	1976	1047	0	.0	.0	5.3	9.4	25.8	1.5
Dec	24.1	5.7	14.9	58+	1962	4	25.5	1997	-44	1955	19	1.8	1983	1555	0	.0	.0	.3	23.0	30.8	11.1
Ann	52.0	30.7	41.4	101	Jul 1988	16	72.9	Jul 1988	-46	Jan 1950	30	-1.8	Jan 1977	8917	327	.1	4.6	205.9	84.5	181.4	43.8

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

025-A

**Climatography
of the United States
No. 20
1971-2000**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: DANBURY, WI

COOP ID: 471978

Climate Division: WI 1

NWS Call Sign:

Elevation: 925 Feet Lat: 46°00N

Lon: 92°22W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.98	.86	1.20	1975	11	3.20	1975	.03	1981	7.0	3.0	.3	.1	.14	.23	.37	.50	.65	.80	.98	1.20	1.50	1.98	2.44
Feb	.79	.61	1.04	1998	27	3.27	1981	.06+	1997	5.5	2.6	.3	.1	.08	.14	.24	.36	.47	.61	.77	.96	1.24	1.68	2.12
Mar	1.68	1.44	1.47	1977	12	4.10	1977	.48	1987	6.7	4.5	1.1	.2	.47	.63	.87	1.08	1.29	1.50	1.74	2.02	2.38	2.95	3.48
Apr	2.08	2.05	3.07	1954	26	5.00	1986	.24	1987	8.4	5.5	1.3	.2	.48	.67	.98	1.25	1.52	1.81	2.14	2.52	3.03	3.84	4.61
May	3.30	3.14	4.15	1982	11	7.14	1982	.44	1976	10.0	6.6	2.3	.6	1.06	1.38	1.84	2.23	2.61	3.01	3.44	3.94	4.59	5.60	6.53
Jun	4.12	3.66	4.55	1985	26	7.37	1972	.56	1987	11.6	8.1	2.5	.8	1.35	1.74	2.31	2.80	3.27	3.76	4.30	4.92	5.72	6.97	8.12
Jul	4.52	4.58	4.78	2000	9	8.56	1972	.62	1975	9.8	7.4	3.0	1.2	1.48	1.91	2.54	3.07	3.59	4.12	4.71	5.39	6.27	7.64	8.89
Aug	4.38	3.67	5.18	1953	3	9.32	1995	1.38	1996	10.0	7.4	3.3	1.1	1.69	2.09	2.67	3.16	3.61	4.08	4.58	5.16	5.90	7.04	8.08
Sep	3.34	3.17	3.55	1994	15	7.62	1994	.66	1976	10.0	7.0	2.2	.6	.92	1.23	1.71	2.13	2.55	2.98	3.46	4.02	4.76	5.91	6.99
Oct	2.32	2.15	2.09	1970	8	6.45	1971	.32	1978	8.7	5.5	1.5	.4	.55	.77	1.11	1.41	1.71	2.03	2.39	2.81	3.37	4.25	5.08
Nov	1.92	1.71	1.90	1991	1	5.34	1975	.25	1981	7.5	4.3	1.2	.5	.30	.47	.75	1.01	1.28	1.58	1.92	2.34	2.90	3.80	4.67
Dec	.96	.76	1.84	1968	13	2.49	1982	.10	1991	7.2	3.3	.4	.0	.18	.26	.40	.53	.67	.81	.97	1.17	1.43	1.85	2.25
Ann	30.39	31.28	5.18	Aug 1953	3	9.32	Aug 1995	.03	Jan 1981	102.4	65.2	19.4	5.8	20.73	22.57	24.94	26.75	28.37	29.93	31.56	33.36	35.56	38.75	41.53

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: DANBURY, WI

COOP ID: 471978

Climate Division: WI 1

NWS Call Sign:

Elevation: 925 Feet

Lat: 46°00N

Lon: 92°22W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	11.3	9.5	11	11	13.0	1982	23	25.7	1976	34	1997	11	31	1997	7.0	4.6	1.3	.5	.1	29.7	26.8	24.2	16.5
Feb	7.6	5.5	13	11	8.0	1990	16	17.6	1979	31	1997	1	27	1996	4.8	3.1	.9	.3	.0	25.7	25.3	23.6	17.1
Mar	8.6	7.0	8	5	11.0	1985	4	22.0	1985	30	1996	27	26	1996	3.8	2.8	1.3	.5	@	18.3	15.9	14.2	9.7
Apr	3.4	2.2	1	#	7.0	1983	15	13.0	1983	20	1975	2	11	1996	1.4	1.0	.3	.2	.0	3.4	2.4	1.8	.5
May	.2	.0	#	0	2.0	1979	5	3.5	1979	1	1984	1	#+	1991	.1	.1	.0	.0	.0	.1	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	#	0	#	1995	22	#	1995	#	1995	22	#	1995	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.7	.0	#	0	6.0	1977	11	6.0	1977	2	1987	22	#+	1999	.5	.3	@	@	.0	.2	.0	.0	.0
Nov	7.4	5.5	2	#	17.0	1991	1	23.0	1983	31	1991	10	27	1991	3.9	2.7	1.0	.4	.1	6.1	2.7	1.5	.3
Dec	10.8	9.2	5	4	10.0	1982	28	28.4	1996	21	1996	31	16	1985	6.6	4.5	.8	.3	@	23.8	18.4	12.4	5.6
Ann	50.0	38.9	N/A	N/A	17.0	Nov 1991	1	28.4	Dec 1996	34	Jan 1997	11	31	Jan 1997	28.1	19.1	5.6	2.2	.2	107.3	91.5	77.7	49.7

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: DANBURY, WI

COOP ID: 471978

Climate Division: WI 1

NWS Call Sign:

Elevation: 925 Feet

Lat: 46°00N

Lon: 92°22W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/16	6/12	6/10	6/07	6/05	6/03	5/31	5/28	5/24
32	6/07	6/01	5/28	5/25	5/21	5/18	5/15	5/11	5/05
28	5/21	5/17	5/13	5/11	5/08	5/06	5/03	4/30	4/25
24	5/08	5/03	4/30	4/27	4/24	4/21	4/18	4/14	4/09
20	4/28	4/23	4/20	4/17	4/14	4/12	4/09	4/05	4/01
16	4/16	4/13	4/10	4/08	4/06	4/04	4/02	3/30	3/27
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/26	8/31	9/03	9/06	9/09	9/11	9/14	9/18	9/22
32	9/08	9/13	9/16	9/18	9/21	9/23	9/26	9/29	10/03
28	9/20	9/23	9/26	9/28	9/30	10/02	10/04	10/06	10/10
24	9/28	10/03	10/07	10/10	10/14	10/17	10/20	10/24	10/29
20	10/10	10/15	10/18	10/21	10/24	10/27	10/30	11/02	11/07
16	10/20	10/25	10/29	11/02	11/05	11/08	11/11	11/15	11/21
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	113	107	103	99	95	92	88	83	77
32	143	136	130	126	122	118	113	108	101
28	161	155	151	147	144	141	137	133	127
24	197	189	182	177	172	167	162	156	147
20	212	205	200	196	192	188	184	179	172
16	232	225	220	216	212	208	204	199	192

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: DANBURY, WI

COOP ID: 471978

Climate Division: WI 1 NWS Call Sign: Elevation: 925 Feet Lat: 46°00N Lon: 92°22W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1735	1366	1137	678	332	106	41	67	257	596	1047	1555	8917
60	1580	1226	982	531	215	39	9	19	142	445	897	1400	7485
57	1487	1142	889	445	158	18	2	7	89	358	807	1307	6709
55	1425	1086	827	389	125	10	0	3	63	304	747	1245	6224
50	1270	946	674	263	61	2	0	0	20	187	600	1090	5113
32	728	481	219	19	0	0	0	0	0	8	173	564	2192

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	15	39	105	331	713	940	1117	1057	745	435	116	33	5646
55	0	0	0	11	124	260	404	347	117	19	0	0	1282
57	0	0	0	6	95	208	344	289	84	11	0	0	1037
60	0	0	0	3	59	140	258	208	47	4	0	0	719
65	0	0	0	0	22	57	135	101	12	0	0	0	327
70	0	0	0	0	6	14	54	35	2	0	0	0	111

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	1	22	168	499	719	893	825	525	225	30	0	0	1	23	191	690	1409	2302	3127	3652	3877	3907	3907
45	0	0	8	95	354	569	738	670	380	126	11	0	0	0	8	103	457	1026	1764	2434	2814	2940	2951	2951
50	0	0	1	45	223	421	583	515	249	58	2	0	0	0	1	46	269	690	1273	1788	2037	2095	2097	2097
55	0	0	0	16	124	279	428	361	142	23	0	0	0	0	0	16	140	419	847	1208	1350	1373	1373	1373
60	0	0	0	4	63	157	280	220	73	4	0	0	0	0	0	4	67	224	504	724	797	801	801	801
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	16	128	324	455	581	527	317	137	16	0	0	0	16	144	468	923	1504	2031	2348	2485	2501	2501

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: DARLINGTON, WI

COOP ID: 472001

Climate Division: WI 7

NWS Call Sign:

Elevation: 930 Feet

Lat: 42°41N

Lon: 90°06W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	26.7	6.0	16.4	59	1989	31	28.0	1990	-41	1951	30	2.9	1977	1508	0	.0	.0	.6	21.1	30.6	10.4
Feb	32.9	12.1	22.5	67	2000	25	34.8	1998	-36+	1959	2	11.3	1979	1191	0	.0	.0	1.6	13.7	26.9	6.3
Mar	44.8	23.3	34.1	84	1986	29	42.3	1973	-33	1962	1	25.4	1975	958	0	.0	.0	9.3	4.7	25.0	1.1
Apr	58.3	34.4	46.4	93	1980	22	53.7	1977	-1	1982	7	40.6	1975	560	1	.0	@	22.4	.2	12.4	@
May	70.5	45.9	58.2	104	1934	31	66.1	1977	20+	1966	10	52.1	1997	252	41	.0	.2	30.5	.0	1.9	.0
Jun	79.6	55.3	67.5	104	1934	1	72.5	1971	30	1913	10	62.1	1982	43	117	.1	1.8	30.0	.0	.0	.0
Jul	83.2	60.0	71.6	107+	1936	14	76.0	1983	39	1911	26	66.4	1992	11	216	.1	4.7	31.0	.0	.0	.0
Aug	80.8	57.6	69.2	102+	1988	17	75.3	1983	29	1915	30	63.7	1992	41	171	.2	2.5	31.0	.0	.0	.0
Sep	72.6	48.3	60.5	100	1922	6	65.4	1978	21	1949	29	55.0	1993	170	33	.0	.9	30.0	.0	1.1	.0
Oct	61.0	36.9	49.0	91	1976	1	57.5	1971	-2	1925	30	42.7	1988	501	2	.0	@	26.9	.0	9.6	.0
Nov	44.3	24.6	34.5	79	1933	1	40.2	1975	-20	1947	30	26.7	1976	916	0	.0	.0	9.8	4.5	23.0	.3
Dec	31.1	12.2	21.7	65+	2001	5	30.1	1982	-33	1950	27	9.7	1985	1345	0	.0	.0	1.4	15.8	29.6	5.9
Ann	57.2	34.7	46.0	107+	Jul 1936	14	76.0	Jul 1983	-41	Jan 1951	30	2.9	Jan 1977	7496	581	.4	10.1	224.5	60.0	160.1	24.0

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1901-2001

(3) Derived from 1971-2000 serially complete daily data

026-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: DARLINGTON, WI

COOP ID: 472001

Climate Division: WI 7

NWS Call Sign:

Elevation: 930 Feet Lat: 42°41N

Lon: 90°06W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.25	1.29	1.42	1971	4	2.58	1974	.00	2000	7.5	3.8	.6	.1	.21	.38	.60	.77	.93	1.11	1.30	1.53	1.83	2.30	2.74
Feb	1.29	1.10	2.00+	1911	16	3.20	1971	.00	1999	5.9	3.4	.7	.2	.08	.21	.41	.60	.80	1.02	1.27	1.59	2.01	2.71	3.39
Mar	2.28	1.85	2.31	1998	30	5.08	1998	.00	1999	7.8	5.4	1.5	.3	.33	.62	1.01	1.33	1.65	1.98	2.36	2.80	3.39	4.31	5.19
Apr	3.47	3.05	3.80	1991	29	9.40	1999	.67	1985	9.9	7.0	2.4	.8	1.16	1.49	1.97	2.38	2.77	3.17	3.62	4.13	4.80	5.83	6.78
May	3.65	3.68	4.13	1999	16	6.79	1973	.32	1992	10.2	7.1	2.6	.6	.82	1.16	1.69	2.17	2.66	3.17	3.75	4.43	5.34	6.79	8.15
Jun	4.67	4.41	7.25	1990	29	12.68	1993	.52	1992	9.8	7.0	2.9	1.2	.98	1.40	2.09	2.71	3.34	4.01	4.77	5.68	6.88	8.80	10.62
Jul	4.19	3.85	5.30	1977	18	8.11	1977	1.30	1991	8.9	6.3	2.9	1.3	1.48	1.87	2.44	2.93	3.39	3.86	4.38	4.98	5.74	6.93	8.02
Aug	4.34	3.99	4.92	1942	2	10.16	1979	1.45	1984	9.1	6.8	2.9	1.1	1.46	1.87	2.47	2.98	3.47	3.98	4.53	5.18	6.01	7.29	8.48
Sep	3.49	3.17	6.37	1927	9	9.66	1986	.22	1979	8.2	5.6	2.3	.9	.51	.80	1.30	1.78	2.29	2.84	3.48	4.27	5.32	7.04	8.69
Oct	2.26	2.24	2.70	2001	23	7.07	1984	.39	1975	7.8	4.9	1.6	.4	.55	.76	1.09	1.38	1.68	1.98	2.33	2.74	3.27	4.12	4.92
Nov	2.42	2.26	2.53	1971	2	6.36	1985	.17	1976	7.9	5.2	1.8	.4	.49	.71	1.06	1.39	1.72	2.07	2.47	2.95	3.58	4.60	5.56
Dec	1.56	1.42	1.87	1982	2	4.15	1982	.02	1998	7.5	3.9	.8	.2	.17	.29	.51	.73	.96	1.22	1.53	1.91	2.42	3.28	4.11
Ann	34.87	36.05	7.25	Jun 1990	29	12.68	Jun 1993	.00+	Jan 2000	100.5	66.4	23.0	7.5	25.07	26.97	29.41	31.26	32.90	34.49	36.12	37.92	40.11	43.28	46.02

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1901-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: DARLINGTON, WI

COOP ID: 472001

Climate Division: WI 7

NWS Call Sign:

Elevation: 930 Feet

Lat: 42°41N

Lon: 90°06W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	8.6	7.2	5	3	10.0	1985	1	17.1	1994	21	1979	28	15	1979	5.3	3.1	1.1	.3	@	21.9	15.3	11.9	6.2
Feb	8.1	7.7	6	4	9.0	1975	24	21.2	1975	25	1979	21	21	1979	4.4	2.9	.9	.2	.0	19.5	15.9	10.4	5.4
Mar	5.8	6.6	2	1	10.0	1991	13	14.5	1975	18	1979	3	10	1979	2.7	2.0	.8	.4	@	7.7	4.8	3.0	1.2
Apr	2.7	1.0	#	#	9.0	1973	9	17.6	1973	15	1973	10	2	1973	1.0	.8	.4	.1	.0	1.1	.6	.3	.1
May	.2	.0	#	0	6.5	1994	1	6.5	1994	3	1994	1	#	1994	@	@	@	@	.0	@	@	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.4	.0	#	0	3.5	1997	26	3.5	1997	1	1972	18	#+	1992	.2	.1	.1	.0	.0	@	.0	.0	.0
Nov	3.1	2.0	#	#	7.0	1971	29	10.8	1971	8	1971	29	1	1992	2.2	1.2	.3	.1	.0	3.2	1.0	.5	.0
Dec	7.4	6.5	2	1	9.0	1990	3	22.5	1987	16	1990	4	9	1990	4.7	3.0	1.1	.3	.0	15.8	10.6	5.2	.9
Ann	36.3	31.0	N/A	N/A	10.0+	Mar 1991	13	22.5	Dec 1987	25	Feb 1979	21	21	Feb 1979	20.5	13.1	4.7	1.4	@	69.2	48.2	31.3	13.8

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: DARLINGTON, WI

COOP ID: 472001

Climate Division: WI 7

NWS Call Sign:

Elevation: 930 Feet

Lat: 42° 41N

Lon: 90° 06W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/05	5/30	5/26	5/22	5/19	5/16	5/12	5/08	5/03
32	5/24	5/18	5/14	5/11	5/08	5/04	5/01	4/27	4/21
28	5/08	5/04	4/30	4/27	4/25	4/22	4/19	4/16	4/11
24	4/25	4/21	4/18	4/15	4/13	4/10	4/08	4/05	3/31
20	4/16	4/12	4/10	4/08	4/06	4/04	4/01	3/30	3/26
16	4/08	4/03	3/30	3/27	3/24	3/22	3/19	3/15	3/10
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/11	9/15	9/17	9/19	9/21	9/23	9/25	9/28	10/01
32	9/20	9/23	9/26	9/29	10/01	10/03	10/06	10/09	10/13
28	9/26	10/01	10/05	10/09	10/12	10/15	10/18	10/22	10/28
24	10/07	10/12	10/16	10/19	10/22	10/25	10/28	11/01	11/06
20	10/16	10/21	10/25	10/28	11/01	11/04	11/07	11/11	11/17
16	10/28	11/02	11/06	11/09	11/12	11/15	11/18	11/22	11/27
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	144	137	132	128	124	120	116	112	105
32	164	158	153	149	146	142	138	134	127
28	191	184	178	174	169	165	160	155	147
24	212	205	200	196	192	188	183	178	171
20	226	220	215	212	208	205	201	197	191
16	255	247	242	237	232	228	223	217	209

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: DARLINGTON, WI

COOP ID: 472001

Climate Division: WI 7 NWS Call Sign: Elevation: 930 Feet Lat: 42°41N Lon: 90°06W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1508	1191	958	560	252	43	11	41	170	501	916	1345	7496
60	1353	1051	803	415	152	10	0	11	79	356	766	1190	6186
57	1260	967	710	333	105	4	0	4	44	277	676	1097	5477
55	1198	911	649	282	79	2	0	1	27	230	617	1035	5031
50	1043	771	503	171	34	0	0	0	6	131	472	880	4011
32	528	331	114	5	0	0	0	0	0	3	95	387	1463

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	43	65	178	436	812	1063	1229	1153	853	528	169	66	6595
55	0	0	0	23	178	375	516	441	191	42	1	0	1767
57	0	0	0	14	142	317	454	382	147	27	0	0	1483
60	0	0	0	6	96	234	361	296	92	13	0	0	1098
65	0	0	0	1	41	117	216	171	33	2	0	0	581
70	0	0	0	0	14	40	103	83	7	0	0	0	247

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	6	63	238	576	830	991	928	642	317	62	6	0	6	69	307	883	1713	2704	3632	4274	4591	4653	4659
45	0	0	30	141	423	680	836	773	492	198	29	1	0	0	30	171	594	1274	2110	2883	3375	3573	3602	3603
50	0	0	12	72	283	530	681	618	351	110	11	0	0	0	12	84	367	897	1578	2196	2547	2657	2668	2668
55	0	0	4	33	165	382	526	464	224	51	2	0	0	0	4	37	202	584	1110	1574	1798	1849	1851	1851
60	0	0	1	14	86	245	372	311	127	17	0	0	0	0	1	15	101	346	718	1029	1156	1173	1173	1173
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	3	46	159	356	538	667	608	398	198	40	2	0	3	49	208	564	1102	1769	2377	2775	2973	3013	3015

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: DODGEVILLE, WI

COOP ID: 472173

Climate Division: WI 7

NWS Call Sign:

Elevation: 1,110 Feet Lat: 42°59N

Lon: 90°07W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	24.7	6.4	15.6	58	1967	25	26.3	1990	-33	1994	19	3.3	1977	1534	0	.0	.0	.2	22.5	30.7	10.5
Feb	30.5	11.9	21.2	62	2000	26	33.5	1998	-32	1996	3	10.3	1979	1227	0	.0	.0	1.3	15.1	27.1	6.3
Mar	42.5	23.2	32.9	83	1986	30	41.1	1973	-21	1962	1	25.5	1975	997	0	.0	.0	7.9	5.6	25.5	.9
Apr	56.6	34.4	45.5	93	1980	22	53.0	1977	8	1954	3	40.2	1975	586	1	.0	@	21.2	.5	13.2	.0
May	68.5	45.6	57.1	90	1953	30	64.6	1977	24+	1989	7	50.6	1997	276	29	.0	.0	30.3	.0	1.9	.0
Jun	78.2	55.0	66.6	100+	1988	22	71.3	1971	33	1998	8	61.9	1982	56	104	.1	1.1	30.0	.0	.0	.0
Jul	81.9	59.8	70.9	100	1955	30	74.5	1983	42	1971	30	65.2	1992	15	197	.0	3.8	31.0	.0	.0	.0
Aug	79.6	57.9	68.8	101+	1988	18	75.0	1995	38	1958	25	63.1	1992	46	163	.1	1.6	31.0	.0	.0	.0
Sep	71.4	49.0	60.2	97	1955	9	65.3	1978	26+	1995	23	54.2	1993	173	28	.0	.4	29.9	.0	1.0	.0
Oct	59.6	37.5	48.6	91	1976	1	56.5	1971	12	1988	30	42.5	1987	511	1	.0	@	26.1	.0	9.9	.0
Nov	42.8	25.2	34.0	73	1964	3	40.9	1999	-12	1950	24	26.8	1995	930	0	.0	.0	9.1	5.1	22.8	.5
Dec	29.7	12.7	21.2	64	1998	3	30.8	1998	-21+	2000	25	9.4	1985	1358	0	.0	.0	1.1	17.7	30.0	6.0
Ann	55.5	34.9	45.2	101+	Aug 1988	18	75.0	Aug 1995	-33	Jan 1994	19	3.3	Jan 1977	7709	523	.2	6.9	219.1	66.5	162.1	24.2

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: DODGEVILLE, WI

COOP ID: 472173

Climate Division: WI 7

NWS Call Sign:

Elevation: 1,110 Feet Lat: 42°59N

Lon: 90°07W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.33	1.23	1.26	1967	25	2.85	1996	.16	1981	8.3	4.1	.6	@	.40	.53	.71	.88	1.03	1.20	1.38	1.59	1.86	2.29	2.69
Feb	1.33	1.26	1.54	1953	20	3.85	1971	.00	1987	6.5	3.7	.7	.2	.12	.28	.50	.69	.89	1.11	1.35	1.65	2.04	2.68	3.29
Mar	2.65	2.48	4.03	1998	31	6.71	1998	.48	1994	8.8	5.4	1.5	.3	.65	.90	1.28	1.63	1.97	2.33	2.73	3.21	3.83	4.82	5.75
Apr	3.66	3.14	2.40	1973	21	9.52	1973	1.12	1985	11.4	7.9	2.3	.6	1.31	1.65	2.15	2.57	2.97	3.38	3.82	4.34	5.00	6.02	6.96
May	3.80	4.02	3.00	2000	19	8.54	2000	.43	1981	10.9	7.5	2.5	.9	.98	1.34	1.89	2.38	2.86	3.36	3.92	4.59	5.46	6.83	8.11
Jun	4.42	3.67	6.06	1954	22	9.90	1998	.87	1988	10.3	7.4	2.6	1.2	1.18	1.60	2.24	2.80	3.35	3.93	4.57	5.33	6.32	7.87	9.32
Jul	4.61	3.59	5.53	1977	18	11.90	1993	1.85	1976	9.9	7.1	3.1	1.3	1.53	1.96	2.61	3.15	3.68	4.22	4.81	5.50	6.39	7.78	9.05
Aug	4.63	4.00	4.76	1990	18	11.33	1981	1.56	1995	9.7	7.3	3.0	1.4	1.51	1.95	2.60	3.15	3.68	4.23	4.83	5.53	6.43	7.83	9.13
Sep	3.32	3.04	4.70	1950	19	6.92	1986	.25	1979	9.2	6.3	2.2	.7	.56	.85	1.33	1.79	2.25	2.76	3.35	4.05	5.00	6.53	8.00
Oct	2.42	2.32	2.59	1954	11	6.94	1991	.62	1994	8.3	5.1	1.4	.5	.62	.85	1.20	1.51	1.81	2.13	2.49	2.92	3.47	4.35	5.17
Nov	2.56	2.13	2.34	1952	17	6.37	1992	.17	1976	9.2	5.6	1.6	.4	.58	.81	1.19	1.52	1.86	2.22	2.62	3.10	3.73	4.74	5.69
Dec	1.59	1.42	1.37	1990	3	3.75	1987	.33	1998	8.3	4.3	.6	.2	.36	.50	.74	.95	1.16	1.38	1.63	1.93	2.33	2.96	3.55
Ann	36.32	36.48	6.06	Jun 1954	22	11.90	Jul 1993	.00	Feb 1987	110.8	71.7	22.1	7.7	25.40	27.50	30.20	32.25	34.08	35.84	37.67	39.70	42.15	45.72	48.82

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

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Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
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Station: DODGEVILLE, WI

COOP ID: 472173

Climate Division: WI 7

NWS Call Sign:

Elevation: 1,110 Feet

Lat: 42°59N

Lon: 90°07W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	9.4	8.2	6	4	9.0	1971	4	25.2	1979	29	1979	25	19	1979	5.7	4.0	1.6	.4	.0	23.5	17.5	14.4	8.2
Feb	7.4	6.1	6	5	9.5	1975	24	22.2	1975	25	1979	14	21	1979	4.3	3.0	.9	.2	.0	21.3	18.6	13.3	6.7
Mar	6.9	5.4	2	1	14.0	1971	19	21.9	1971	23	1975	7	15	1975	2.8	2.0	.9	.3	@	9.1	6.3	4.7	2.0
Apr	2.2	.4	#	#	8.0	1973	9	15.5	1973	15	1973	11	2	1973	1.0	.7	.3	.1	.0	1.1	.5	.2	.1
May	.1	.0	#	0	.5	1997	1	1.0	1997	1	1997	15	#	1997	.1	.0	.0	.0	.0	.1	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.6	.0	#	0	5.0	1997	27	5.0	1997	5	1997	27	#+	1997	.3	.2	.1	@	.0	.2	.1	@	.0
Nov	4.9	4.0	#	#	8.0	1995	28	12.0+	1985	10	1977	30	2	1977	2.3	2.0	.6	.2	.0	4.4	2.1	1.1	.1
Dec	10.8	8.3	4	3	14.0	1990	3	26.5	1987	21	2000	18	16	1985	5.0	3.7	1.4	.5	@	18.0	12.1	7.1	2.2
Ann	42.3	32.4	N/A	N/A	14.0+	Dec 1990	3	26.5	Dec 1987	29	Jan 1979	25	21	Feb 1979	21.5	15.6	5.8	1.7	@	77.7	57.2	40.8	19.3

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: DODGEVILLE, WI

COOP ID: 472173

Climate Division: WI 7

NWS Call Sign:

Elevation: 1,110 Feet

Lat: 42°59N

Lon: 90°07W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/07	6/01	5/28	5/24	5/20	5/17	5/13	5/08	5/02
32	5/21	5/16	5/12	5/09	5/07	5/04	5/01	4/27	4/22
28	5/07	5/02	4/28	4/25	4/23	4/20	4/17	4/13	4/08
24	4/24	4/20	4/16	4/14	4/11	4/08	4/05	4/02	3/28
20	4/17	4/13	4/10	4/07	4/05	4/02	3/31	3/28	3/23
16	4/10	4/04	3/30	3/27	3/23	3/20	3/16	3/12	3/06
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/15	9/19	9/21	9/23	9/25	9/27	9/29	10/01	10/05
32	9/22	9/26	9/28	9/30	10/02	10/04	10/07	10/09	10/13
28	9/25	10/01	10/05	10/08	10/11	10/14	10/18	10/22	10/27
24	10/09	10/14	10/18	10/22	10/25	10/28	11/01	11/05	11/10
20	10/18	10/23	10/27	10/30	11/02	11/05	11/08	11/11	11/16
16	10/28	11/03	11/07	11/11	11/14	11/18	11/21	11/26	12/01
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	148	141	136	131	127	123	118	113	106
32	166	160	155	152	148	145	141	136	130
28	193	186	180	175	171	167	162	156	149
24	218	210	205	201	196	192	188	182	175
20	229	222	218	214	210	207	203	198	192
16	264	254	247	241	235	230	224	216	207

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography
of the United States
No. 20
1971-2000

Station: DODGEVILLE, WI

COOP ID: 472173

Climate Division: WI 7 NWS Call Sign: Elevation: 1,110 Feet Lat: 42°59N Lon: 90°07W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1534	1227	997	586	276	56	15	46	173	511	930	1358	7709
60	1379	1087	842	441	168	16	1	13	79	365	780	1203	6374
57	1286	1003	749	359	117	6	0	5	43	284	690	1110	5652
55	1224	947	687	308	89	3	0	2	26	236	631	1048	5201
50	1069	807	537	194	38	0	0	0	5	135	486	893	4164
32	542	358	128	8	0	0	0	0	0	3	106	398	1543

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	30	56	155	413	777	1038	1205	1140	845	516	166	63	6404
55	0	0	0	22	152	351	492	429	181	36	1	0	1664
57	0	0	0	14	118	293	430	370	138	22	0	0	1385
60	0	0	0	6	76	213	338	285	84	10	0	0	1012
65	0	0	0	1	29	104	197	163	28	1	0	0	523
70	0	0	0	0	8	35	92	78	6	0	0	0	219

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	3	55	216	543	804	966	904	617	296	60	4	0	3	58	274	817	1621	2587	3491	4108	4404	4464	4468
45	0	0	27	124	394	654	811	749	467	180	22	1	0	0	27	151	545	1199	2010	2759	3226	3406	3428	3429
50	0	0	10	62	260	504	656	594	329	96	7	0	0	0	10	72	332	836	1492	2086	2415	2511	2518	2518
55	0	0	3	33	146	361	501	439	205	43	1	0	0	0	3	36	182	543	1044	1483	1688	1731	1732	1732
60	0	0	0	12	75	223	346	287	112	11	0	0	0	0	0	12	87	310	656	943	1055	1066	1066	1066
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	39	140	330	518	644	595	377	184	32	2	0	0	39	179	509	1027	1671	2266	2643	2827	2859	2861

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: DRUMMOND, WI

COOP ID: 472240

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,340 Feet Lat: 46°20N

Lon: 91°16W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	20.6	.1	10.4	54	1981	25	22.4	1990	-44	1970	19	-.5	1977	1694	0	.0	.0	.2	26.4	30.9	15.0
Feb	27.9	6.2	17.1	61	2000	29	31.2	1998	-40	1971	2	7.1	1972	1343	0	.0	.0	.6	18.3	27.7	10.1
Mar	38.6	16.8	27.7	73	2000	7	36.8	2000	-28	1984	7	19.3	1972	1156	0	.0	.0	4.5	8.8	28.7	4.6
Apr	53.9	28.9	41.4	90	1980	21	48.2	1987	-6	1972	8	35.2	1996	708	0	.0	@	18.5	1.0	20.8	.2
May	68.9	40.7	54.8	92	1988	31	63.6	1977	17+	1973	4	47.2	1997	341	25	.0	.2	29.7	.0	7.0	.0
Jun	76.3	50.3	63.3	98	1983	26	67.6	1988	25	1972	10	58.6	1982	107	55	.0	1.2	30.0	.0	.6	.0
Jul	80.3	56.1	68.2	100	1988	27	72.5	1988	29	1972	4	61.5	1992	46	144	@	2.3	31.0	.0	@	.0
Aug	78.0	54.9	66.5	96+	1989	4	71.0	1983	29	1970	31	62.1	1992	62	106	.0	.9	31.0	.0	.1	.0
Sep	68.7	46.5	57.6	91	1983	2	64.0	1998	18	1973	20	51.5	1993	236	15	.0	.1	29.3	.0	2.5	.0
Oct	56.3	35.7	46.0	86	1992	2	52.2	1973	6	1969	23	41.0	1980	589	0	.0	.0	22.6	.2	12.7	.0
Nov	37.3	22.9	30.1	71+	1999	8	38.3	1999	-15	1985	29	21.3	1995	1047	0	.0	.0	4.4	10.5	25.9	1.5
Dec	24.5	7.7	16.1	59+	1982	3	25.2	1997	-36	1983	20	4.3	1983	1517	0	.0	.0	.3	23.4	30.7	9.8
Ann	52.6	30.6	41.6	100	Jul 1988	27	72.5	Jul 1988	-44	Jan 1970	19	-.5	Jan 1977	8846	345	@	4.7	202.1	88.6	187.6	41.2

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

028-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: DRUMMOND, WI

COOP ID: 472240

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,340 Feet Lat: 46°20N

Lon: 91°16W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.27	1.11	1.55	1996	18	3.15	1996	.11	1981	8.7	4.2	.4	@	.29	.41	.60	.76	.93	1.11	1.30	1.54	1.85	2.34	2.80
Feb	.85	.61	1.31	1998	27	2.86	1981	.12	1993	6.8	2.6	.3	.1	.14	.21	.33	.45	.57	.70	.85	1.04	1.28	1.68	2.06
Mar	1.79	1.62	1.61	1966	4	4.81	1998	.63+	1978	8.9	4.7	1.1	.3	.56	.73	.98	1.20	1.41	1.63	1.87	2.15	2.51	3.08	3.60
Apr	2.32	2.48	2.65	2001	23	3.97	1994	.33	1987	9.0	6.0	1.1	.2	.70	.92	1.25	1.53	1.81	2.09	2.41	2.78	3.27	4.02	4.72
May	3.69	3.46	2.87	1964	6	6.50	1993	.82	1990	9.6	6.7	2.2	.7	1.28	1.63	2.14	2.57	2.98	3.40	3.85	4.39	5.07	6.13	7.11
Jun	3.99	3.54	3.25	1949	30	8.71	1981	1.27	1995	12.8	8.0	2.7	.8	1.47	1.85	2.38	2.83	3.26	3.69	4.17	4.72	5.42	6.50	7.49
Jul	4.86	4.53	6.00	1992	2	11.35	1999	.89	1990	10.9	7.7	3.0	1.3	1.40	1.86	2.56	3.16	3.75	4.37	5.05	5.85	6.89	8.51	10.02
Aug	4.33	4.54	3.79	1989	31	7.50	1972	1.02	1991	11.9	7.7	2.3	1.0	1.61	2.01	2.59	3.08	3.54	4.01	4.53	5.12	5.88	7.05	8.12
Sep	4.22	3.66	5.09	1990	6	8.27	1990	1.03	1976	12.1	8.1	2.6	1.0	1.29	1.69	2.29	2.80	3.30	3.82	4.38	5.05	5.91	7.26	8.50
Oct	3.18	2.62	2.97	1985	4	6.91	1971	1.15	1976	11.3	6.7	1.7	.6	1.10	1.40	1.84	2.21	2.56	2.92	3.32	3.78	4.37	5.29	6.13
Nov	2.45	2.39	2.48	1991	1	6.80	1991	.32	1976	9.0	5.4	1.4	.4	.44	.66	1.02	1.35	1.69	2.06	2.48	2.98	3.66	4.74	5.78
Dec	1.30	1.24	1.12	1965	12	3.44	1996	.31	1979	8.8	4.4	.4	@	.38	.51	.69	.85	1.01	1.17	1.35	1.57	1.84	2.27	2.67
Ann	34.25	34.84	6.00	Jul 1992	2	11.35	Jul 1999	.11	Jan 1981	119.8	72.2	19.2	6.4	25.34	27.09	29.32	31.00	32.49	33.92	35.40	37.02	38.98	41.82	44.26

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: DRUMMOND, WI

COOP ID: 472240

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,340 Feet

Lat: 46°20N

Lon: 91°16W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	15.8	15.8	13	13	12.0	1988	20	32.8	1996	30+	1997	31	27	1997	7.5	5.5	2.0	.8	@	29.0	27.9	24.9	17.8
Feb	8.7	7.0	16	15	8.5	2000	15	18.0	1971	37	1971	5	32	1971	4.4	3.3	1.0	.2	.0	-9.9	-9.9	-9.9	-9.9
Mar	11.2	10.0	11	9	22.0	1985	4	37.0	1985	33	1997	14	28	1997	4.3	3.2	1.4	.7	.1	24.2	21.5	17.7	11.8
Apr	5.9	6.0	2	#	9.0	1983	14	23.1	1983	27	1996	4	13	1996	2.3	1.9	.8	.4	.0	5.8	3.5	2.6	1.5
May	.2	.0	#	0	2.0	1989	5	4.0	1989	4	1984	1	#+	1997	.1	.1	.0	.0	.0	.2	@	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	1.0	1995	22	1.0	1995	0	0	0	0	0	@	@	.0	.0	.0	.0	.0	.0	.0
Oct	.7	.0	#	#	4.0	1993	29	5.0	1987	7	1982	20	1	1982	.6	.4	.1	.0	.0	.2	.0	.0	.0
Nov	11.8	8.5	2	1	15.0	1991	30	49.5	1991	20	1991	30	9	1991	4.8	3.8	1.5	.7	.1	10.4	4.7	2.7	.7
Dec	14.9	14.5	7	6	16.0	1982	28	41.3	1996	27	1985	28	23	1985	7.8	5.8	1.3	.4	@	25.5	20.1	14.6	6.2
Ann	69.2	61.8	N/A	N/A	22.0	Mar 1985	4	49.5	Nov 1991	37	Feb 1971	5	32	Feb 1971	31.8	24.0	8.1	3.2	.2	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: DRUMMOND, WI

COOP ID: 472240

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,340 Feet

Lat: 46° 20N

Lon: 91° 16W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/02	6/24	6/19	6/15	6/10	6/06	6/02	5/27	5/20
32	6/15	6/09	6/05	6/02	5/29	5/26	5/23	5/18	5/13
28	6/01	5/26	5/22	5/18	5/15	5/12	5/08	5/04	4/28
24	5/16	5/11	5/07	5/04	5/01	4/28	4/25	4/21	4/15
20	5/03	4/28	4/24	4/21	4/18	4/15	4/12	4/08	4/03
16	4/21	4/17	4/14	4/11	4/09	4/06	4/03	3/31	3/27
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/19	8/26	8/31	9/05	9/09	9/13	9/17	9/22	9/30
32	9/03	9/09	9/13	9/17	9/20	9/23	9/27	10/01	10/07
28	9/20	9/24	9/27	9/30	10/02	10/05	10/07	10/10	10/15
24	9/27	10/03	10/07	10/11	10/14	10/17	10/21	10/25	10/31
20	10/07	10/14	10/19	10/23	10/26	10/30	11/03	11/08	11/15
16	10/22	10/27	10/31	11/03	11/06	11/09	11/12	11/15	11/20
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	127	114	105	97	90	82	75	65	53
32	141	131	124	118	113	107	102	95	85
28	164	156	150	144	140	135	130	124	115
24	194	184	177	171	165	160	154	147	137
20	220	210	203	197	191	185	179	172	162
16	231	224	219	215	211	207	202	197	190

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States**
No. 20
1971-2000

Station: DRUMMOND, WI

COOP ID: 472240

Climate Division: WI 1 NWS Call Sign: Elevation: 1,340 Feet Lat: 46°20N Lon: 91°16W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1694	1343	1156	708	341	107	46	62	236	589	1047	1517	8846
60	1539	1203	1001	561	225	39	11	16	126	438	897	1362	7418
57	1446	1119	908	476	168	18	5	6	77	352	807	1269	6651
55	1384	1063	846	420	135	9	0	2	53	299	747	1207	6165
50	1229	923	692	294	71	2	0	0	15	183	601	1052	5062
32	689	456	226	31	1	0	0	0	0	8	174	526	2111

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	18	37	93	314	709	938	1122	1068	769	441	117	33	5659
55	0	0	0	13	130	258	409	356	131	19	0	0	1316
57	0	0	0	8	101	206	351	299	96	11	0	0	1072
60	0	0	0	4	65	137	265	216	54	4	0	0	745
65	0	0	0	0	25	55	144	106	15	0	0	0	345
70	0	0	0	0	8	13	63	38	2	0	0	0	124

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	2	18	135	460	699	870	816	524	222	25	0	0	2	20	155	615	1314	2184	3000	3524	3746	3771	3771
45	0	1	4	72	316	549	715	661	377	128	10	0	0	1	5	77	393	942	1657	2318	2695	2823	2833	2833
50	0	0	1	34	201	405	560	506	244	60	2	0	0	0	1	35	236	641	1201	1707	1951	2011	2013	2013
55	0	0	0	14	112	265	406	354	140	22	0	0	0	0	0	14	126	391	797	1151	1291	1313	1313	1313
60	0	0	0	6	57	144	259	214	70	5	0	0	0	0	0	6	63	207	466	680	750	755	755	755
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	14	113	310	445	565	528	315	135	12	0	0	1	15	128	438	883	1448	1976	2291	2426	2438	2438

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: EAGLE RIVER, WI

COOP ID: 472314

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,645 Feet Lat: 45°55N

Lon: 89°15W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	20.7	.0	10.4	42	1996	18	21.1	1990	-33	1994	19	-.9	1977	1693	0	.0	.0	.1	27.3	31.0	15.7
Feb	25.9	5.3	15.6	53+	2000	27	27.8	1998	-36	1996	2	5.7	1979	1383	0	.0	.0	.4	20.0	28.1	12.6
Mar	36.3	14.5	25.4	71	2000	9	33.7	1973	-21	1996	7	19.1	1996	1228	0	.0	.0	3.5	11.3	29.1	5.7
Apr	50.5	28.8	39.7	80	1991	8	46.0	1987	0+	1995	4	33.6	1975	759	0	.0	.0	14.3	2.0	22.3	.2
May	65.8	40.6	53.2	86	1999	30	61.7	1977	23+	1997	16	44.9	1997	386	21	.0	.0	27.6	@	9.8	.0
Jun	74.7	51.2	63.0	93	1995	19	67.3	1995	28	1998	5	58.0	1982	114	53	.0	.2	29.8	.0	.5	.0
Jul	78.1	55.1	66.6	97	1999	31	71.4	1983	37+	2000	19	61.0	1992	52	101	.0	.9	31.0	.0	.0	.0
Aug	75.1	54.2	64.7	93	2001	1	69.3	1983	39+	2000	19	60.3	1997	86	75	.0	.2	31.0	.0	.0	.0
Sep	65.1	43.9	54.5	90	1998	12	59.8	1994	26+	1999	21	49.1	1974	318	3	.0	@	29.4	.0	2.9	.0
Oct	52.5	33.9	43.2	80	1992	3	50.6	1971	13	1996	31	37.9	1987	675	0	.0	.0	18.9	.4	16.2	.0
Nov	36.7	21.2	29.0	69	1990	1	34.9	1999	-9	1997	24	20.8	1995	1081	0	.0	.0	3.7	10.5	27.6	1.2
Dec	24.6	7.9	16.3	57	2001	6	24.2	1994	-22+	1996	27	5.9	1989	1511	0	.0	.0	.1	23.9	30.9	10.2
Ann	50.5	29.7	40.1	97	Jul 1999	31	71.4	Jul 1983	-36	Feb 1996	2	-.9	Jan 1977	9286	253	.0	1.3	189.8	95.4	198.4	45.6

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

029-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: EAGLE RIVER, WI

COOP ID: 472314

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,645 Feet Lat: 45°55N

Lon: 89°15W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.29	1.04	1.41	1967	25	3.29	1997	.15	1974	10.3	4.4	.4	.0	.24	.35	.54	.72	.89	1.09	1.31	1.57	1.93	2.50	3.04
Feb	.80	.75	1.24	1951	26	2.41	1971	.00	1987	6.7	2.6	.3	@	.05	.13	.26	.38	.50	.63	.79	.98	1.24	1.66	2.07
Mar	1.67	1.43	1.30	1973	7	3.85	1973	.06	1974	8.3	4.4	1.1	.2	.29	.43	.68	.91	1.14	1.40	1.69	2.04	2.52	3.28	4.01
Apr	2.10	2.01	2.20	1981	4	4.95	1991	.46	1979	9.0	5.4	1.2	.1	.56	.76	1.06	1.33	1.59	1.86	2.17	2.53	3.00	3.73	4.42
May	3.17	3.08	3.23	1951	16	7.31	1999	.26	1986	10.2	6.5	2.1	.9	.88	1.18	1.64	2.04	2.43	2.84	3.29	3.82	4.52	5.60	6.62
Jun	3.52	3.30	5.35	1981	14	10.40	1981	1.50	1995	11.5	7.2	2.3	.5	1.36	1.69	2.15	2.54	2.91	3.28	3.68	4.15	4.74	5.66	6.49
Jul	3.62	3.44	2.96	1949	27	8.18	2000	.76	1975	11.4	7.6	2.6	.5	1.18	1.52	2.03	2.46	2.88	3.31	3.78	4.33	5.04	6.14	7.15
Aug	3.92	3.28	3.80	1957	23	9.57	1980	1.17	1987	10.4	7.2	2.9	1.1	1.26	1.63	2.18	2.65	3.11	3.57	4.09	4.69	5.46	6.67	7.78
Sep	3.78	3.99	4.15	1983	20	7.02	1980	.77	1976	12.2	7.7	2.7	.8	1.04	1.40	1.94	2.42	2.89	3.37	3.91	4.55	5.38	6.68	7.90
Oct	2.41	2.40	2.82	1966	15	5.73	1979	.41	1976	11.1	6.2	1.4	.4	.61	.84	1.19	1.50	1.81	2.13	2.49	2.92	3.48	4.36	5.19
Nov	2.06	1.94	2.88	1950	16	4.52	1991	.36	1981	10.3	5.5	1.1	.4	.58	.78	1.07	1.33	1.58	1.84	2.13	2.47	2.92	3.61	4.26
Dec	1.25	1.11	.93	1953	3	3.08	1996	.24	1994	10.0	4.4	.3	.0	.33	.44	.62	.78	.94	1.11	1.29	1.51	1.80	2.25	2.67
Ann	29.59	29.36	5.35	Jun 1981	14	10.40	Jun 1981	.00	Feb 1987	121.4	69.1	18.4	4.9	20.70	22.41	24.61	26.28	27.77	29.21	30.70	32.35	34.36	37.27	39.80

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: EAGLE RIVER, WI

COOP ID: 472314

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,645 Feet

Lat: 45°55N

Lon: 89°15W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	19.8	17.7	13	12	7.0	1972	25	34.7	1971	41	1971	31	26+	1997	8.2	5.5	2.0	.7	.0	-9.9	-9.9	-9.9	-9.9
Feb	10.2	9.5	15	12	9.0	1971	5	25.6	1971	53	1971	7	46	1971	5.1	3.7	.9	.3	.0	-9.9	-9.9	-9.9	-9.9
Mar	11.2	8.2	9	5	12.0	1996	25	24.0	1979	41	1971	2	33	1971	3.6	2.4	1.0	.3	.1	-9.9	-9.9	-9.9	-9.9
Apr	2.5	.0	1	#	8.0	1996	30	16.0	1996	26	1971	4	10	1971	.9	.8	.2	.2	.0	1.8	1.0	.9	.6
May	.4	.0	#	0	6.0	1979	6	6.0	1979	2	1976	2	#+	1976	.1	.1	@	@	.0	@	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	#	0	.0	0	0	.0	0	#	1995	22	#	1995	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.5	.0	#	0	5.0	1979	23	5.0	1979	5	1979	23	#+	2000	.3	.2	@	@	.0	.2	.1	@	.0
Nov	6.4	6.3	1	1	6.5	1993	26	15.3	2000	11	1991	25	4	1985	3.1	2.2	.5	.3	.0	-9.9	-9.9	-9.9	-9.9
Dec	6.9	-99.9	6	6	7.0	1980	30	34.5	1996	24	1996	31	13	1985	6.9	4.9	1.3	.2	.0	-9.9	-9.9	-9.9	-9.9
Ann	57.9	-9.9	N/A	N/A	12.0	Mar 1996	25	34.7	Jan 1971	53	Feb 1971	7	46	Feb 1971	28.2	19.8	5.9	2.0	.1	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: EAGLE RIVER, WI

COOP ID: 472314

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,645 Feet

Lat: 45°55N

Lon: 89°15W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/24	6/19	6/16	6/13	6/10	6/07	6/04	5/31	5/26
32	6/11	6/07	6/04	6/01	5/29	5/27	5/24	5/21	5/16
28	5/31	5/27	5/23	5/20	5/18	5/15	5/12	5/08	5/04
24	5/19	5/14	5/11	5/07	5/05	5/02	4/28	4/25	4/20
20	5/05	4/30	4/26	4/23	4/20	4/17	4/13	4/09	4/04
16	4/23	4/19	4/16	4/13	4/11	4/08	4/05	4/02	3/29
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/25	8/30	9/02	9/05	9/07	9/10	9/12	9/15	9/20
32	9/10	9/14	9/16	9/19	9/21	9/23	9/25	9/28	10/02
28	9/21	9/25	9/28	9/30	10/02	10/04	10/06	10/09	10/13
24	9/28	10/05	10/09	10/13	10/17	10/20	10/24	10/29	11/04
20	10/14	10/19	10/23	10/26	10/29	11/01	11/04	11/08	11/13
16	10/28	11/01	11/04	11/06	11/09	11/11	11/14	11/17	11/21
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	108	101	96	92	89	85	81	76	69
32	130	125	121	117	114	110	107	103	97
28	155	149	144	140	137	133	129	125	118
24	189	180	174	169	165	160	155	149	140
20	214	207	201	196	192	187	182	177	169
16	229	223	219	215	211	208	204	200	194

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography
of the United States
No. 20
1971-2000

Station: EAGLE RIVER, WI

COOP ID: 472314

Climate Division: WI 2 NWS Call Sign: Elevation: 1,645 Feet Lat: 45°55N Lon: 89°15W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1693	1383	1228	759	386	114	52	86	318	675	1081	1511	9286
60	1538	1243	1073	611	264	45	11	26	187	521	931	1356	7806
57	1445	1159	980	524	202	22	4	10	122	431	841	1263	7003
55	1383	1103	918	467	166	12	0	4	87	373	781	1201	6495
50	1228	963	763	333	93	3	0	0	31	242	632	1046	5334
32	681	474	260	37	2	0	0	0	0	13	170	513	2150

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	11	15	55	268	660	928	1072	1012	675	361	79	25	5161
55	0	0	0	7	111	251	359	303	72	8	0	0	1111
57	0	0	0	4	85	200	301	247	47	4	0	0	888
60	0	0	0	2	53	133	215	170	22	1	0	0	596
65	0	0	0	0	21	53	101	75	3	0	0	0	253
70	0	0	0	0	7	12	31	21	0	0	0	0	71

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	13	95	352	603	814	744	451	160	18	0	0	0	13	108	460	1063	1877	2621	3072	3232	3250	3250
45	0	0	2	50	227	454	659	589	307	82	5	0	0	0	2	52	279	733	1392	1981	2288	2370	2375	2375
50	0	0	0	18	133	312	504	434	176	32	1	0	0	0	0	18	151	463	967	1401	1577	1609	1610	1610
55	0	0	0	9	66	190	351	287	87	9	0	0	0	0	0	9	75	265	616	903	990	999	999	999
60	0	0	0	1	25	95	199	157	30	0	0	0	0	0	0	1	26	121	320	477	507	507	507	507
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	11	76	233	356	505	459	265	99	11	0	0	0	11	87	320	676	1181	1640	1905	2004	2015	2015

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: EAU CLAIRE RGNL AP, WI

COOP ID: 472428

Climate Division: WI 4

NWS Call Sign: EAU

Elevation: 885 Feet

Lat: 44°52N

Lon: 91°29W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	21.3	2.5	11.9	54	1981	25	23.6	1990	-45	1951	30	-.7	1977	1647	0	.0	.0	.1	24.4	31.0	14.3
Feb	28.4	8.7	18.6	63	2000	29	31.6	1998	-35	1996	2	8.4	1989	1301	0	.0	.0	.6	16.5	27.2	8.9
Mar	40.4	20.9	30.7	84+	1986	31	39.7	1973	-35	1962	1	22.5	1975	1064	0	.0	.0	6.5	7.5	26.5	2.5
Apr	56.6	33.4	45.0	90+	1980	22	51.9	1977	5	1954	3	38.7	1975	601	1	.0	.1	20.7	.7	14.2	.0
May	70.2	45.7	58.0	93+	1998	15	66.2	1977	20+	1967	3	52.2	1983	263	44	.0	.8	30.5	.0	2.3	.0
Jun	78.5	55.0	66.8	100	1985	8	71.6	1991	33+	1972	10	61.9	1982	58	111	@	2.6	30.0	.0	.0	.0
Jul	82.6	60.2	71.4	104	1988	15	76.2	1988	42	1972	4	65.5	1992	16	214	.3	5.0	31.0	.0	.0	.0
Aug	79.9	58.1	69.0	104	1988	1	73.8	1995	37+	1967	19	65.1	1992	31	155	.1	2.5	31.0	.0	.0	.0
Sep	70.4	48.4	59.4	97	1978	7	65.7	1998	23	1967	29	53.3	1993	197	28	.0	.7	29.6	.0	1.2	.0
Oct	57.9	36.6	47.3	89+	1997	3	53.8	1973	11+	1976	27	41.3	1988	551	1	.0	.0	24.3	.1	10.6	.0
Nov	40.0	23.5	31.8	76	1999	8	39.3	1999	-18	1964	30	24.2	1991	997	0	.0	.0	6.5	7.6	24.6	1.1
Dec	25.9	9.3	17.6	64	2001	5	26.9	1997	-32	1983	19	4.6	1983	1470	0	.0	.0	.6	21.1	30.5	8.8
Ann	54.3	33.5	44.0	104+	Aug 1988	1	76.2	Jul 1988	-45	Jan 1951	30	-.7	Jan 1977	8196	554	.4	11.7	211.4	77.9	168.1	35.6

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1949-2001

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Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
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Station: EAU CLAIRE RGNL AP, WI

COOP ID: 472428

Climate Division: WI 4

NWS Call Sign: EAU

Elevation: 885 Feet

Lat: 44°52N

Lon: 91°29W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.04	.93	1.37	1967	24	2.38	1971	.10	1981	9.6	3.2	.3	.0	.25	.34	.49	.63	.76	.91	1.06	1.25	1.50	1.90	2.27
Feb	.80	.62	1.00	1951	25	2.36+	1998	.09	1987	7.3	2.5	.2	.0	.13	.20	.31	.42	.54	.66	.81	.98	1.22	1.60	1.96
Mar	1.86	1.75	2.08	1998	29	6.03	1998	.29	1978	9.1	4.6	1.0	.3	.38	.55	.82	1.07	1.32	1.59	1.90	2.27	2.75	3.53	4.27
Apr	2.91	2.88	3.07	1975	27	6.06	1975	.65	1987	10.4	6.2	1.9	.5	.88	1.16	1.57	1.93	2.27	2.63	3.03	3.49	4.09	5.02	5.89
May	3.69	3.94	2.61	1973	1	9.16	1973	.79	1992	11.4	7.3	2.7	.8	1.19	1.54	2.06	2.50	2.92	3.36	3.85	4.41	5.14	6.27	7.32
Jun	4.27	3.94	2.74	1980	5	10.42	1990	1.00	1983	11.9	7.8	2.8	1.0	1.48	1.88	2.47	2.96	3.44	3.93	4.46	5.08	5.88	7.11	8.24
Jul	3.94	3.82	4.39	1959	8	8.54	1987	.94	1974	10.9	7.3	2.7	.8	1.27	1.64	2.19	2.66	3.12	3.59	4.10	4.70	5.48	6.69	7.80
Aug	4.68	4.27	4.12	1993	9	11.64	1980	1.62	1976	10.0	6.9	3.1	1.3	1.61	2.05	2.70	3.24	3.77	4.30	4.89	5.57	6.45	7.81	9.05
Sep	3.74	3.68	5.98	2000	10	10.85	1986	.19	1976	10.7	6.4	2.0	.9	.52	.83	1.36	1.88	2.43	3.03	3.72	4.57	5.72	7.60	9.41
Oct	2.24	2.10	3.17	1949	8	5.40	1984	.29	1976	9.5	4.9	1.2	.4	.52	.72	1.05	1.34	1.64	1.95	2.30	2.71	3.26	4.12	4.94
Nov	1.92	1.67	3.24	1991	1	7.52	1991	.07	1976	9.3	4.1	1.1	.3	.23	.38	.65	.91	1.20	1.52	1.89	2.35	2.97	4.00	5.00
Dec	1.03	.96	1.34	1965	12	2.46	1984	.26	1997	9.6	3.2	.3	.0	.25	.35	.50	.63	.76	.90	1.06	1.24	1.48	1.86	2.22
Ann	32.12	32.80	5.98	Sep 2000	10	11.64	Aug 1980	.07	Nov 1976	119.7	64.4	19.3	6.3	22.34	24.22	26.63	28.47	30.11	31.69	33.33	35.15	37.36	40.57	43.35

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1949-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: EAU CLAIRE RGNL AP, WI

COOP ID: 472428

Climate Division: WI 4

NWS Call Sign: EAU

Elevation: 885 Feet

Lat: 44° 52N

Lon: 91° 29W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	13.9	12.2	8	7	11.2	1996	18	32.1	1999	26+	1982	31	18	1979	9.0	4.2	1.5	.6	@	29.6	25.1	20.9	10.2
Feb	7.6	7.1	9	8	6.4	1998	1	20.2	1971	31+	1971	6	23	1979	6.6	2.5	.7	.2	.0	25.6	23.4	19.8	10.5
Mar	9.2	7.5	4	4	10.7	1992	21	25.0	1989	23+	1972	11	12	1972	5.2	2.7	1.0	.4	@	16.7	12.4	9.1	3.9
Apr	2.5	1.9	#	0	7.9	1973	9	9.3	1973	9	1993	1	1+	1993	1.8	1.0	.2	@	.0	1.6	.6	.3	.0
May	#	.0	#	0	#	1989	6	#+	1989	#+	1989	6	#	2000	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	0	0	#	1984	25	#	1984	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.4	#	#	0	3.0	1992	19	3.5	1992	3	1992	20	#	1995	.4	.1	@	.0	.0	.1	@	.0	.0
Nov	5.8	3.7	1	0	8.7	1978	17	16.4	1991	9+	1991	30	4+	1991	4.4	1.9	.6	.3	.0	5.9	3.6	2.5	.0
Dec	10.0	7.3	4	2	8.3	1996	23	25.9	1996	22+	1985	28	17	1985	9.0	3.4	.8	.3	.0	23.5	16.6	9.8	3.3
Ann	49.4	39.7	N/A	N/A	11.2	Jan 1996	18	32.1	Jan 1999	31+	Feb 1971	6	23	Feb 1979	36.4	15.8	4.8	1.8	@	103.0	81.7	62.4	27.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: EAU CLAIRE RGNL AP, WI

COOP ID: 472428

Climate Division: WI 4

NWS Call Sign: EAU

Elevation: 885 Feet

Lat: 44°52N

Lon: 91°29W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/08	6/03	5/30	5/26	5/23	5/20	5/17	5/13	5/07
32	5/21	5/16	5/12	5/09	5/07	5/04	5/01	4/27	4/22
28	5/11	5/06	5/02	4/29	4/26	4/23	4/20	4/17	4/12
24	4/27	4/22	4/19	4/16	4/14	4/11	4/09	4/06	4/01
20	4/17	4/13	4/11	4/09	4/07	4/05	4/03	4/01	3/28
16	4/12	4/07	4/03	3/31	3/29	3/26	3/23	3/19	3/14
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/12	9/16	9/18	9/21	9/23	9/25	9/27	9/30	10/04
32	9/17	9/21	9/24	9/26	9/29	10/01	10/03	10/06	10/10
28	9/25	9/29	10/02	10/04	10/06	10/08	10/11	10/13	10/17
24	10/07	10/12	10/16	10/19	10/22	10/25	10/28	10/31	11/05
20	10/15	10/20	10/23	10/27	10/29	11/01	11/04	11/08	11/13
16	10/28	11/02	11/05	11/08	11/11	11/14	11/17	11/21	11/26
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	140	134	129	125	122	118	114	110	104
32	163	157	152	148	144	141	137	132	125
28	179	174	169	166	162	159	155	151	145
24	210	203	198	194	190	186	182	177	170
20	220	215	211	208	205	202	198	195	190
16	248	241	235	231	227	223	219	214	206

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: EAU CLAIRE RGNL AP, WI

COOP ID: 472428

Climate Division: WI 4 NWS Call Sign: EAU Elevation: 885 Feet Lat: 44°52N Lon: 91°29W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1647	1301	1064	601	263	58	16	31	197	551	997	1470	8196
60	1492	1161	909	457	163	17	1	6	100	402	847	1315	6870
57	1399	1077	816	375	115	6	0	1	60	319	757	1222	6147
55	1337	1021	754	324	89	3	0	0	40	268	697	1160	5693
50	1182	881	606	210	40	0	0	0	11	160	552	1005	4647
32	647	422	180	12	0	0	0	0	0	5	147	496	1909

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	23	45	139	402	804	1043	1221	1147	822	478	140	49	6313
55	0	0	0	24	180	356	508	434	172	28	0	0	1702
57	0	0	0	15	144	299	446	373	131	17	0	0	1425
60	0	0	0	7	99	220	355	284	81	7	0	0	1053
65	0	0	0	1	44	111	214	155	28	1	0	0	554
70	0	0	0	0	16	40	107	65	6	0	0	0	234

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	1	40	214	569	812	983	909	587	261	39	2	0	1	41	255	824	1636	2619	3528	4115	4376	4415	4417
45	0	1	18	125	417	662	828	754	441	156	15	1	0	1	19	144	561	1223	2051	2805	3246	3402	3417	3418
50	0	0	6	65	280	512	673	599	305	79	2	0	0	0	6	71	351	863	1536	2135	2440	2519	2521	2521
55	0	0	1	30	166	364	518	445	186	31	1	0	0	0	1	31	197	561	1079	1524	1710	1741	1742	1742
60	0	0	0	10	87	229	366	293	98	9	0	0	0	0	0	10	97	326	692	985	1083	1092	1092	1092
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	28	147	352	517	648	592	356	157	23	0	0	1	29	176	528	1045	1693	2285	2641	2798	2821	2821

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: ELLSWORTH 1 E, WI

COOP ID: 472556

Climate Division: WI 4

NWS Call Sign:

Elevation: 1,030 Feet Lat: 44°44N

Lon: 92°28W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	21.6	2.7	12.2	53+	1981	25	25.1	1990	-37	1994	19	-.1	1977	1638	0	.0	.0	.1	24.2	31.0	13.9
Feb	28.7	9.3	19.0	59	1981	18	30.8	1998	-37	1996	2	7.4	1979	1288	0	.0	.0	.6	16.0	27.6	8.4
Mar	40.4	21.2	30.8	80	1986	29	39.7	2000	-25	1962	1	22.7	1975	1059	0	.0	.0	6.8	6.6	26.6	2.3
Apr	56.6	33.5	45.1	88+	1970	29	53.1	1977	3	1995	4	37.4	1975	599	1	.0	@	22.2	.4	14.4	.0
May	69.3	45.8	57.6	92+	1969	28	66.6	1977	19	1967	3	51.9	1983	267	36	.0	@	30.5	.0	2.1	.0
Jun	77.6	54.8	66.2	98	1985	9	72.1	1988	33	1987	4	59.3	1982	72	108	.0	2.1	30.0	.0	.0	.0
Jul	81.9	59.3	70.6	105	1995	14	76.0	1974	38	1984	7	64.0	1992	24	196	.1	4.1	31.0	.0	.0	.0
Aug	79.6	56.8	68.2	97+	1996	7	72.8	1995	36+	1982	11	63.6	1987	41	140	.0	1.4	31.0	.0	.0	.0
Sep	71.5	48.0	59.8	94+	1976	7	65.4	1998	22+	1985	27	53.7	1993	186	28	.0	.4	29.6	.0	1.3	.0
Oct	59.4	36.9	48.2	89	1997	4	55.3	1973	12	1984	31	43.4	1987	523	1	.0	.0	26.0	.1	11.1	.0
Nov	40.2	23.2	31.7	77	1999	9	40.9	1999	-15+	1977	26	23.1	1991	999	0	.0	.0	6.7	7.5	24.6	1.2
Dec	25.9	9.2	17.6	63	1998	2	25.9	1997	-40	1983	19	2.3	1983	1472	0	.0	.0	.4	21.3	30.6	8.5
Ann	54.4	33.4	43.9	105	Jul 1995	14	76.0	Jul 1974	-40	Dec 1983	19	-.1	Jan 1977	8168	510	.1	8.0	214.9	76.1	169.3	34.3

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

031-A

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

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Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: ELLSWORTH 1 E, WI

COOP ID: 472556

Climate Division: WI 4

NWS Call Sign:

Elevation: 1,030 Feet Lat: 44°44N

Lon: 92°28W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.06	.99	1.50	2001	26	2.59	1975	.17+	1981	8.2	3.7	.2	@	.19	.28	.44	.58	.73	.89	1.07	1.30	1.59	2.07	2.52
Feb	.76	.61	1.20	1961	18	2.58	1981	.05	1987	5.4	2.6	.2	.0	.13	.19	.30	.41	.52	.63	.77	.93	1.15	1.50	1.84
Mar	1.97	1.77	2.17	1998	30	6.96	1998	.27	1981	8.4	5.0	1.1	.3	.38	.56	.85	1.12	1.38	1.67	2.00	2.40	2.92	3.76	4.56
Apr	2.99	2.77	4.13	1975	27	7.73	1975	.37	1987	10.1	6.2	1.9	.4	.69	.97	1.40	1.80	2.19	2.61	3.07	3.63	4.36	5.53	6.62
May	3.88	3.48	3.33	1959	5	7.46	1973	.88	1992	11.1	7.9	2.7	.8	1.48	1.84	2.36	2.79	3.19	3.61	4.06	4.58	5.24	6.26	7.19
Jun	4.51	4.38	3.88	1957	22	8.52	1990	.54	1988	12.1	8.0	2.8	1.3	1.40	1.83	2.47	3.01	3.54	4.09	4.69	5.39	6.31	7.73	9.04
Jul	4.55	3.95	5.23	1978	1	14.26	1987	.84	1975	10.4	7.1	2.8	1.2	1.00	1.42	2.08	2.69	3.29	3.93	4.65	5.52	6.66	8.47	10.19
Aug	4.79	4.59	3.92	1977	31	8.54	1993	1.53	1971	10.8	6.9	3.1	1.2	2.05	2.49	3.09	3.59	4.05	4.52	5.03	5.60	6.34	7.45	8.46
Sep	3.93	3.12	7.10	1992	16	10.35	1992	1.03	1974	10.0	6.4	2.5	1.1	.95	1.32	1.89	2.40	2.91	3.45	4.05	4.76	5.70	7.18	8.57
Oct	2.49	2.34	2.85	1970	9	5.33	1995	.41	1976	9.2	5.2	1.4	.4	.61	.85	1.21	1.53	1.85	2.19	2.56	3.01	3.60	4.52	5.39
Nov	2.37	1.76	2.10	2000	1	6.19	1975	.13	1976	8.3	4.8	1.5	.5	.37	.57	.91	1.24	1.58	1.95	2.37	2.89	3.59	4.73	5.81
Dec	1.12	1.14	1.31	1982	28	2.75	1982	.15	1998	7.3	3.6	.3	.1	.23	.33	.49	.64	.79	.96	1.14	1.36	1.65	2.12	2.56
Ann	34.42	34.13	7.10	Sep 1992	16	14.26	Jul 1987	.05	Feb 1987	111.3	67.4	20.5	7.3	23.83	25.86	28.47	30.46	32.23	33.95	35.72	37.69	40.09	43.57	46.59

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

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Climatography of the United States

No. 20

1971-2000

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Station: ELLSWORTH 1 E, WI

COOP ID: 472556

Climate Division: WI 4

NWS Call Sign:

Elevation: 1,030 Feet

Lat: 44° 44N

Lon: 92° 28W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	12.2	12.0	10	12	13.5	1988	20	24.9	1975	44	1982	25	21	1982	6.4	4.6	1.4	.7	.1	-9.9	-9.9	-9.9	-9.9
Feb	8.1	6.4	10	9	6.5	1971	5	18.8	1986	36	1971	15	26	1975	3.6	2.5	.9	.3	.0	-9.9	-9.9	-9.9	-9.9
Mar	8.5	7.2	4	0	13.5	1985	3	22.4	1984	29	1975	12	17+	1985	3.2	2.9	1.3	.6	.2	-9.9	-9.9	-9.9	-9.9
Apr	2.2	.0	#	0	10.0	1983	14	15.5	1983	15	1975	2	3	1975	.8	.7	.2	.1	@	1.7	.7	.5	.2
May	.0	.0	0	0	.5	1976	2	.5	1976	0	0	0	0	0	@	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.4	.0	#	0	2.0	1982	20	2.0+	1989	#	1995	21	#	1995	.3	.3	.0	.0	.0	.0	.0	.0	.0
Nov	5.3	3.1	1	#	10.0	1971	26	14.2	1977	19	1983	30	9	1985	2.8	2.3	.9	.3	.1	2.2	.8	.6	.5
Dec	11.5	12.0	4	1	10.0	1985	1	21.1	1985	24	1983	27	21	1983	5.9	3.8	1.3	.4	@	-9.9	-9.9	-9.9	-9.9
Ann	48.2	40.7	N/A	N/A	13.5+	Jan 1988	20	24.9	Jan 1975	44	Jan 1982	25	26	Feb 1975	23.0	17.1	6.0	2.4	.4	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

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**Climatography
of the United States
No. 20
1971-2000**

Station: ELLSWORTH 1 E, WI

COOP ID: 472556

Climate Division: WI 4

NWS Call Sign:

Elevation: 1,030 Feet

Lat: 44° 44N

Lon: 92° 28W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/06	5/31	5/26	5/23	5/19	5/15	5/12	5/07	5/01
32	5/21	5/16	5/13	5/10	5/07	5/04	5/01	4/28	4/23
28	5/10	5/05	5/01	4/28	4/25	4/22	4/19	4/16	4/11
24	4/29	4/24	4/20	4/17	4/14	4/11	4/08	4/04	3/30
20	4/19	4/15	4/11	4/08	4/06	4/03	3/31	3/27	3/23
16	4/12	4/07	4/03	3/31	3/28	3/25	3/21	3/17	3/12
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/05	9/10	9/13	9/16	9/19	9/22	9/25	9/28	10/03
32	9/16	9/21	9/24	9/27	9/30	10/03	10/06	10/10	10/14
28	9/19	9/25	9/30	10/04	10/07	10/11	10/15	10/20	10/26
24	10/04	10/10	10/15	10/18	10/22	10/25	10/29	11/02	11/08
20	10/15	10/20	10/24	10/27	10/30	11/02	11/05	11/09	11/15
16	10/25	10/30	11/03	11/06	11/09	11/11	11/15	11/18	11/23
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	150	140	134	128	122	117	111	104	95
32	166	159	154	149	145	141	137	132	125
28	190	181	175	169	164	159	154	148	139
24	215	206	200	195	190	185	179	173	165
20	229	222	216	211	207	203	198	192	185
16	248	240	235	230	225	221	216	210	202

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography
of the United States
No. 20
1971-2000

Station: ELLSWORTH 1 E, WI

COOP ID: 472556

Climate Division: WI 4 NWS Call Sign: Elevation: 1,030 Feet Lat: 44°44N Lon: 92°28W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1638	1288	1059	599	267	72	24	41	186	523	999	1472	8168
60	1483	1148	904	455	163	23	5	9	91	376	849	1317	6823
57	1390	1064	811	373	114	10	0	2	52	294	759	1224	6093
55	1328	1008	749	322	86	5	0	1	33	245	699	1162	5638
50	1173	868	601	209	38	1	0	0	8	142	554	1007	4601
32	641	410	176	13	0	0	0	0	0	4	152	493	1889

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	26	46	140	405	792	1027	1196	1122	832	506	143	44	6279
55	0	0	0	25	166	342	483	409	175	33	1	0	1634
57	0	0	0	16	131	287	421	349	134	21	0	0	1359
60	0	0	0	7	87	210	333	263	83	9	0	0	992
65	0	0	0	1	36	108	196	140	28	1	0	0	510
70	0	0	0	0	12	41	98	57	6	0	0	0	214

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	1	39	222	566	810	969	889	602	285	37	1	0	1	40	262	828	1638	2607	3496	4098	4383	4420	4421
45	0	1	13	129	416	660	814	734	457	174	16	0	0	1	14	143	559	1219	2033	2767	3224	3398	3414	3414
50	0	0	4	65	277	510	659	579	313	90	4	0	0	0	4	69	346	856	1515	2094	2407	2497	2501	2501
55	0	0	0	29	166	362	504	427	193	39	0	0	0	0	0	29	195	557	1061	1488	1681	1720	1720	1720
60	0	0	0	10	82	230	349	277	99	12	0	0	0	0	0	10	92	322	671	948	1047	1059	1059	1059
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	26	152	350	524	641	581	372	178	25	0	0	1	27	179	529	1053	1694	2275	2647	2825	2850	2850

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: FAIRCHILD RANGER STA, WI

COOP ID: 472678

Climate Division: WI 4

NWS Call Sign:

Elevation: 1,080 Feet Lat: 44°36N

Lon: 90°58W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	19.8	.8	10.3	55	1981	26	22.5	1990	-35	1977	9	-2.3	1977	1696	0	.0	.0	.1	25.1	30.9	14.9
Feb	27.2	7.0	17.1	58	1981	19	29.2	1998	-35+	1996	5	6.4	1989	1341	0	.0	.0	.6	17.3	27.7	9.5
Mar	39.2	20.0	29.6	81	1986	30	39.1	2000	-28	1962	1	21.6	1975	1097	0	.0	.0	5.9	8.3	26.5	2.9
Apr	54.7	33.6	44.2	90	1980	22	50.8	1977	2	1969	1	37.6	1975	626	1	.0	@	19.7	.5	14.4	.0
May	67.8	45.4	56.6	93	1972	20	65.0	1977	20+	1967	3	50.5	1983	298	36	.0	.1	29.9	.0	2.4	.0
Jun	76.3	54.0	65.2	100	1985	9	69.9	1991	29	1972	10	60.4	1982	82	86	@	1.4	30.0	.0	@	.0
Jul	80.3	58.8	69.6	103+	1995	14	74.2	1983	38	1972	4	62.5	1992	26	166	@	2.8	31.0	.0	.0	.0
Aug	78.1	56.7	67.4	104	1964	3	72.8	1983	35	1976	30	63.5	1992	51	125	.1	1.6	31.0	.0	.0	.0
Sep	69.1	47.0	58.1	95	1976	8	63.5	1998	21	1967	29	52.9	1974	225	16	.0	.2	29.4	.0	1.4	.0
Oct	56.9	35.8	46.4	92	1976	2	53.0	1971	10	1976	27	39.8	1988	578	0	.0	@	23.1	.2	11.4	.0
Nov	39.5	23.2	31.4	73+	2000	2	40.4	1999	-13	1985	29	23.9	1995	1009	0	.0	.0	6.5	7.4	24.1	1.0
Dec	24.6	7.7	16.2	63	2001	6	27.3	1997	-30	1983	19	4.8	1989	1514	0	.0	.0	.4	21.8	30.3	8.8
Ann	52.8	32.5	42.7	104	Aug 1964	3	74.2	Jul 1983	-35+	Feb 1996	5	-2.3	Jan 1977	8543	430	.1	6.1	207.6	80.6	169.1	37.1

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

032-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: FAIRCHILD RANGER STA, WI

COOP ID: 472678

Climate Division: WI 4

NWS Call Sign:

Elevation: 1,080 Feet Lat: 44°36N

Lon: 90°58W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.14	.96	.90	1969	24	2.46	1996	.04	1981	7.4	3.5	.4	.0	.22	.32	.49	.64	.80	.97	1.16	1.39	1.70	2.18	2.65
Feb	.84	.71	1.10	1951	26	2.50	1981	.05	1987	5.5	2.8	.3	@	.15	.22	.34	.46	.57	.70	.85	1.02	1.26	1.64	2.00
Mar	1.97	1.97	1.90	1973	11	4.31	1977	.26	1978	7.3	4.3	1.2	.2	.42	.61	.90	1.16	1.42	1.70	2.02	2.40	2.89	3.69	4.44
Apr	2.95	2.93	2.30	1982	3	5.31	1999	.41	1997	10.4	6.4	1.9	.4	1.04	1.32	1.72	2.06	2.39	2.72	3.08	3.50	4.04	4.87	5.63
May	3.58	3.26	4.00	1955	29	8.35	1979	1.25	1985	10.4	7.0	2.2	.6	1.28	1.61	2.10	2.51	2.90	3.30	3.74	4.25	4.90	5.90	6.82
Jun	4.35	4.20	3.38	1950	13	8.41	2000	.74	1983	10.5	7.3	2.7	.9	1.28	1.69	2.31	2.85	3.37	3.91	4.51	5.22	6.13	7.56	8.89
Jul	4.39	3.60	4.40	2000	9	10.71	1999	1.03	1975	9.5	6.8	2.7	1.0	1.24	1.65	2.28	2.83	3.37	3.93	4.55	5.28	6.22	7.71	9.10
Aug	4.48	3.98	4.75	1980	8	11.37	1980	1.27	1976	9.7	6.6	2.7	1.1	1.65	2.07	2.68	3.18	3.66	4.15	4.69	5.31	6.10	7.32	8.44
Sep	4.24	3.59	4.41	1980	12	11.54	1986	.60	1979	10.1	6.5	2.5	1.0	.84	1.22	1.85	2.42	2.99	3.61	4.31	5.16	6.27	8.06	9.76
Oct	2.52	2.28	4.26	1966	15	6.15	1979	.23	1976	8.6	5.3	1.3	.5	.49	.72	1.09	1.43	1.77	2.14	2.56	3.07	3.74	4.82	5.85
Nov	2.25	2.10	2.58	1975	10	7.09	1991	.00	1976	7.9	4.6	1.4	.2	.28	.56	.94	1.26	1.59	1.93	2.32	2.78	3.39	4.36	5.29
Dec	1.23	1.22	1.31	1982	28	3.21	1982	.12	1979	7.8	4.0	.4	@	.19	.29	.47	.64	.82	1.01	1.23	1.51	1.87	2.46	3.03
Ann	33.94	35.25	4.75	Aug 1980	8	11.54	Sep 1986	.00	Nov 1976	105.1	65.1	19.7	5.9	24.59	26.41	28.74	30.50	32.06	33.57	35.13	36.84	38.92	41.93	44.52

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: FAIRCHILD RANGER STA, WI

COOP ID: 472678

Climate Division: WI 4

NWS Call Sign:

Elevation: 1,080 Feet

Lat: 44°36N

Lon: 90°58W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	10.2	9.8	10	9	12.0	1996	29	18.9	1971	28	1979	31	20	1979	5.8	3.9	1.0	.6	.1	30.0	28.1	24.3	13.5
Feb	7.4	7.2	11	9	9.5	1971	5	17.0	1971	33	1979	14	28	1971	3.9	2.7	.7	.2	.0	27.5	24.9	21.0	15.1
Mar	8.4	9.4	6	3	12.5	1985	4	22.0	1985	28	1986	2	19	1971	3.5	2.4	.8	.5	@	21.1	17.3	13.1	8.1
Apr	2.7	1.8	#	#	7.0	1993	16	10.5	1973	10	1975	4	3	1975	1.6	1.3	.3	.1	.0	3.1	1.5	.8	.1
May	.0	.0	#	0	1.2	1997	1	1.2	1997	1	1997	1	#	1997	@	@	.0	.0	.0	@	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.3	.0	#	0	4.6	1992	20	4.6	1992	5	1992	20	#+	2000	.2	.2	.1	.0	.0	.3	.1	.1	.0
Nov	6.5	3.1	1	#	7.1	1983	29	18.5	1985	16	1991	27	6	1991	2.4	1.6	.8	.2	.0	3.5	2.0	1.4	.3
Dec	13.1	13.2	5	4	8.0	1984	3	23.0	1985	25	1985	31	22	1985	5.8	3.9	1.0	.4	.0	22.6	19.2	14.9	7.4
Ann	48.6	44.5	N/A	N/A	12.5	Mar 1985	4	23.0	Dec 1985	33	Feb 1979	14	28	Feb 1971	23.2	16.0	4.7	2.0	.1	108.1	93.1	75.6	44.5

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: FAIRCHILD RANGER STA, WI

COOP ID: 472678

Climate Division: WI 4

NWS Call Sign:

Elevation: 1,080 Feet

Lat: 44°36N

Lon: 90°58W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/11	6/05	6/01	5/28	5/25	5/21	5/18	5/14	5/08
32	5/28	5/23	5/19	5/15	5/12	5/09	5/05	5/01	4/26
28	5/09	5/04	4/30	4/27	4/24	4/20	4/17	4/13	4/08
24	4/29	4/25	4/21	4/18	4/15	4/13	4/10	4/06	4/01
20	4/14	4/11	4/09	4/06	4/04	4/02	3/31	3/29	3/25
16	4/12	4/08	4/05	4/02	3/31	3/28	3/25	3/22	3/18
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/07	9/11	9/14	9/16	9/18	9/21	9/23	9/26	9/30
32	9/18	9/22	9/25	9/27	9/29	10/01	10/04	10/06	10/10
28	9/22	9/28	10/02	10/05	10/08	10/11	10/14	10/18	10/23
24	10/05	10/10	10/14	10/18	10/21	10/24	10/28	11/01	11/06
20	10/18	10/23	10/26	10/29	11/01	11/04	11/07	11/11	11/16
16	10/26	10/31	11/04	11/07	11/10	11/13	11/16	11/20	11/25
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	135	128	124	120	116	112	108	103	97
32	157	151	146	143	139	136	132	128	122
28	190	182	176	171	167	162	157	151	143
24	209	202	197	192	188	184	179	174	167
20	228	222	217	214	210	207	203	199	192
16	246	238	233	228	223	219	214	209	201

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography
of the United States
No. 20
1971-2000

Station: FAIRCHILD RANGER STA, WI

COOP ID: 472678

Climate Division: WI 4 NWS Call Sign: Elevation: 1,080 Feet Lat: 44°36N Lon: 90°58W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1696	1341	1097	626	298	82	26	51	225	578	1009	1514	8543
60	1541	1201	942	480	191	28	5	13	116	429	859	1359	7164
57	1448	1117	849	396	139	12	0	4	70	345	769	1266	6415
55	1386	1061	787	343	109	7	0	1	47	293	709	1204	5947
50	1231	921	638	225	52	1	0	0	13	181	564	1049	4875
32	691	454	202	14	0	0	0	0	0	8	155	531	2055

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	19	38	128	379	761	995	1164	1097	781	453	136	40	5991
55	0	0	0	18	157	311	451	386	138	25	0	0	1486
57	0	0	0	11	125	257	389	326	101	15	0	0	1224
60	0	0	0	5	84	183	301	242	57	6	0	0	878
65	0	0	0	1	36	86	166	125	16	0	0	0	430
70	0	0	0	0	13	27	74	49	2	0	0	0	165

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	36	206	536	763	928	867	564	250	40	3	0	0	36	242	778	1541	2469	3336	3900	4150	4190	4193
45	0	0	16	123	386	613	773	712	417	145	16	0	0	0	16	139	525	1138	1911	2623	3040	3185	3201	3201
50	0	0	6	64	256	465	618	557	281	70	3	0	0	0	6	70	326	791	1409	1966	2247	2317	2320	2320
55	0	0	1	31	150	325	464	402	168	30	0	0	0	0	1	32	182	507	971	1373	1541	1571	1571	1571
60	0	0	0	13	76	197	316	252	86	7	0	0	0	0	0	13	89	286	602	854	940	947	947	947
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	23	132	323	483	613	560	342	147	23	1	0	0	23	155	478	961	1574	2134	2476	2623	2646	2647

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: FOND DU LAC, WI

COOP ID: 472839

Climate Division: WI 6

NWS Call Sign:

Elevation: 760 Feet Lat: 43°48N Lon: 88°27W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	24.0	9.1	16.6	55	1973	26	28.0	1990	-41	1951	30	3.6	1977	1503	0	.0	.0	.2	21.6	30.4	9.5
Feb	29.0	13.8	21.4	64	2000	26	32.2	1998	-30+	1959	1	10.1	1979	1221	0	.0	.0	.9	16.3	26.7	5.3
Mar	40.3	24.2	32.3	81+	1986	31	40.8	2000	-24	1962	1	25.4	1975	1016	0	.0	.0	6.4	6.8	25.2	.9
Apr	54.1	36.1	45.1	90	1980	22	51.4	1977	9+	1982	4	38.3	1975	598	1	.0	@	19.4	.6	10.2	.0
May	68.0	47.7	57.9	92+	1991	29	66.2	1977	25	1950	2	51.0	1997	267	47	.0	.3	30.4	.0	.7	.0
Jun	77.0	57.2	67.1	100	1988	21	71.4	1988	32	1956	2	61.3	1982	55	119	@	2.1	30.0	.0	.0	.0
Jul	81.1	62.4	71.8	103	1995	13	75.2+	1988	40	1948	1	66.7	1992	9	217	.1	3.6	31.0	.0	.0	.0
Aug	78.2	60.8	69.5	102	1988	17	74.6	1988	38	1950	20	65.7	1997	28	167	.1	1.9	31.0	.0	.0	.0
Sep	70.1	52.4	61.3	99	1953	1	66.2	1998	23	1949	29	56.2	1993	145	33	.0	.3	29.9	.0	.3	.0
Oct	57.9	41.2	49.6	90	1963	6	57.2	1971	15+	1952	29	44.1	1988	481	2	.0	.0	25.3	.0	4.9	.0
Nov	42.1	28.7	35.4	76	1950	1	42.7	1999	-10	1950	25	27.5	1995	888	0	.0	.0	8.0	4.8	20.4	.2
Dec	29.0	15.6	22.3	65	2001	5	29.9	1982	-24	1983	24	11.0	1985	1323	0	.0	.0	.8	16.6	29.1	4.7
Ann	54.2	37.4	45.9	103	Jul 1995	13	75.2+	Jul 1988	-41	Jan 1951	30	3.6	Jan 1977	7534	586	.2	8.2	213.3	66.7	147.9	20.6

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

033-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: FOND DU LAC, WI

COOP ID: 472839

Climate Division: WI 6

NWS Call Sign:

Elevation: 760 Feet Lat: 43°48N

Lon: 88°27W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.09	1.06	2.83	1982	4	3.79	1982	.02	1981	8.5	3.3	.3	@	.17	.26	.42	.57	.72	.89	1.09	1.33	1.65	2.17	2.67
Feb	1.00	.88	1.37	1953	20	2.26	1986	.20	1972	7.2	2.9	.5	.1	.16	.24	.39	.53	.67	.82	1.00	1.22	1.51	1.98	2.43
Mar	1.86	1.78	2.38	1998	30	5.01	1976	.07	1981	8.7	4.7	1.0	.2	.21	.35	.61	.87	1.14	1.45	1.82	2.27	2.88	3.89	4.88
Apr	2.78	2.58	2.38	1999	3	5.88	1993	.89	1989	11.0	6.1	1.5	.5	1.24	1.49	1.83	2.11	2.37	2.64	2.92	3.24	3.65	4.26	4.82
May	2.93	2.83	3.81	1989	30	8.02	1989	.49	1981	10.7	6.2	1.8	.5	.61	.88	1.30	1.70	2.09	2.51	2.99	3.56	4.31	5.52	6.66
Jun	3.57	3.63	3.15	1991	14	7.17	1996	.31	1992	10.1	6.5	2.2	.7	.89	1.22	1.74	2.20	2.66	3.14	3.68	4.32	5.15	6.47	7.71
Jul	3.52	3.28	3.67	1952	18	8.12	1999	.89+	1998	10.1	6.6	2.3	.7	1.20	1.53	2.02	2.43	2.83	3.23	3.68	4.19	4.86	5.89	6.84
Aug	4.18	3.92	5.74	1978	18	8.27	1990	.79	1976	10.2	6.9	2.9	1.1	1.19	1.58	2.18	2.71	3.21	3.75	4.33	5.03	5.93	7.34	8.65
Sep	3.50	2.62	6.83	1986	10	12.70	1986	.17	1979	9.9	5.8	2.4	.8	.47	.75	1.25	1.74	2.25	2.82	3.47	4.28	5.37	7.16	8.89
Oct	2.36	1.98	3.70	1991	24	6.97	1991	.62	1975	9.5	5.6	1.5	.3	.64	.86	1.20	1.50	1.79	2.10	2.44	2.85	3.38	4.20	4.98
Nov	1.97	1.83	1.86	1971	1	4.74	1985	.05	1976	9.8	5.1	1.1	.2	.33	.50	.79	1.06	1.33	1.64	1.98	2.40	2.96	3.86	4.73
Dec	1.39	1.35	2.07	1971	30	4.14	1971	.16	1993	8.5	4.0	.6	.1	.24	.36	.57	.76	.95	1.17	1.41	1.70	2.09	2.72	3.32
Ann	30.15	30.29	6.83	Sep 1986	10	12.70	Sep 1986	.02	Jan 1981	114.2	63.7	18.1	5.2	23.01	24.43	26.23	27.58	28.77	29.91	31.09	32.38	33.93	36.16	38.08

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: FOND DU LAC, WI

COOP ID: 472839

Climate Division: WI 6

NWS Call Sign:

Elevation: 760 Feet

Lat: 43°48N

Lon: 88°27W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	10.1	11.0	5	4	12.0	1982	4	25.1	1979	23+	1979	28	16	1979	7.0	3.5	1.1	.3	@	24.4	17.6	12.5	5.0
Feb	7.6	7.4	4	4	8.0	1976	21	16.6	1994	17+	1985	17	15	1979	5.7	2.7	.8	.2	.0	21.0	15.3	9.9	4.0
Mar	6.1	4.7	1	2	9.7	1972	29	15.7	1989	11	1979	1	5	1979	3.6	2.2	.7	.3	.0	10.3	5.9	3.9	.2
Apr	2.0	.7	#	0	7.0	1997	12	10.2	1993	6+	1997	12	1+	1982	1.2	.7	.2	@	.0	1.3	.5	.1	.0
May	.1	.0	#	0	3.3	1990	10	3.3	1990	1	1990	10	#	2000	.0	.0	@	.0	.0	@	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	#	0	.0	0	0	.0	0	0	0	0	#	1990	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	#	0	1.3	1992	19	2.2	1992	1	1992	19	#	1992	.1	.1	.0	.0	.0	@	.0	.0	.0
Nov	3.3	1.2	#	0	10.0	1995	27	15.2	1995	10	1995	27	2+	1995	2.8	1.2	.3	.1	@	3.3	1.2	.7	@
Dec	9.0	6.9	2	1	14.0	1990	3	21.9	1978	14+	1990	3	11	1985	5.9	2.9	1.0	.3	.1	17.8	9.8	5.0	1.3
Ann	38.3	31.9	N/A	N/A	14.0	Dec 1990	3	25.1	Jan 1979	23+	Jan 1979	28	16	Jan 1979	26.3	13.3	4.1	1.2	.1	78.1	50.3	32.1	10.5

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: FOND DU LAC, WI

COOP ID: 472839

Climate Division: WI 6

NWS Call Sign:

Elevation: 760 Feet

Lat: 43° 48N

Lon: 88° 27W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/25	5/20	5/17	5/14	5/11	5/08	5/05	5/01	4/27
32	5/10	5/05	5/02	4/29	4/26	4/23	4/20	4/16	4/11
28	4/26	4/22	4/19	4/16	4/14	4/12	4/10	4/07	4/03
24	4/14	4/11	4/08	4/06	4/04	4/02	3/31	3/28	3/25
20	4/10	4/05	4/02	3/30	3/27	3/25	3/22	3/18	3/14
16	4/05	3/30	3/27	3/23	3/20	3/17	3/14	3/10	3/05
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/22	9/25	9/28	9/30	10/02	10/04	10/07	10/09	10/13
32	9/27	10/02	10/05	10/08	10/10	10/13	10/16	10/19	10/24
28	10/09	10/14	10/18	10/22	10/25	10/28	10/31	11/04	11/09
24	10/23	10/27	10/30	11/02	11/04	11/07	11/09	11/12	11/17
20	10/27	11/02	11/06	11/09	11/13	11/16	11/19	11/23	11/29
16	11/08	11/13	11/17	11/20	11/23	11/26	11/29	12/03	12/08
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	159	154	150	147	144	141	138	134	129
32	185	179	174	171	167	163	160	155	149
28	214	206	201	197	193	189	184	179	172
24	229	223	220	216	213	210	207	203	198
20	253	245	239	234	229	225	220	214	206
16	269	262	256	251	247	242	238	232	224

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: FOND DU LAC, WI

COOP ID: 472839

Climate Division: WI 6 NWS Call Sign: Elevation: 760 Feet Lat: 43°48N Lon: 88°27W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1503	1221	1016	598	267	55	9	28	145	481	888	1323	7534
60	1348	1081	861	453	167	17	0	5	60	336	738	1168	6234
57	1255	997	768	370	119	7	0	1	30	259	648	1075	5529
55	1193	941	706	318	92	4	0	0	17	213	589	1013	5086
50	1038	801	556	203	43	0	0	0	3	118	448	858	4068
32	519	345	140	9	0	0	0	0	0	3	89	368	1473

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	39	49	148	403	802	1054	1231	1162	878	547	191	68	6572
55	0	0	0	22	182	367	518	449	205	44	2	0	1789
57	0	0	0	14	147	310	456	388	158	28	0	0	1501
60	0	0	0	6	102	230	363	299	97	13	0	0	1110
65	0	0	0	1	47	119	217	167	33	2	0	0	586
70	0	0	0	0	17	44	101	75	6	0	0	0	243

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	3	49	212	565	825	997	925	652	321	65	4	0	3	52	264	829	1654	2651	3576	4228	4549	4614	4618
45	0	1	24	126	412	675	842	770	502	199	26	2	0	1	25	151	563	1238	2080	2850	3352	3551	3577	3579
50	0	0	11	64	275	525	687	615	357	109	7	0	0	0	11	75	350	875	1562	2177	2534	2643	2650	2650
55	0	0	5	29	167	376	532	460	226	52	0	0	0	0	5	34	201	577	1109	1569	1795	1847	1847	1847
60	0	0	0	13	88	241	377	308	126	21	0	0	0	0	0	13	101	342	719	1027	1153	1174	1174	1174
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	30	121	326	526	668	612	385	167	33	2	0	1	31	152	478	1004	1672	2284	2669	2836	2869	2871

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: FORT ATKINSON, WI

COOP ID: 472869

Climate Division: WI 8

NWS Call Sign:

Elevation: 800 Feet

Lat: 42°54N

Lon: 88°51W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	25.9	7.5	16.7	58+	1996	19	28.3	1990	-33	1951	30	2.5	1977	1498	0	.0	.0	.5	20.8	30.4	10.0
Feb	31.2	12.7	22.0	67	1999	12	34.4	1998	-39	1996	3	9.8	1979	1206	0	.0	.0	1.4	14.3	26.8	6.1
Mar	43.0	24.2	33.6	83	1986	30	42.0	2000	-21	1962	1	26.5	1978	974	0	.0	.0	8.5	5.1	24.3	.9
Apr	56.8	35.6	46.2	90	1980	23	52.9	1977	-4	1979	6	40.7	1975	565	1	.0	@	21.7	.3	11.0	@
May	69.5	46.2	57.9	93	1978	28	65.7	1977	25+	1966	10	51.5	1997	261	40	.0	.6	30.4	.0	1.2	.0
Jun	79.3	55.9	67.6	101	1988	21	72.1	1971	35+	1988	10	62.1	1982	45	122	@	3.3	30.0	.0	.0	.0
Jul	83.0	60.5	71.8	102	1988	16	76.5	1999	39	1965	6	67.1	1992	8	218	@	5.5	31.0	.0	.0	.0
Aug	80.4	58.0	69.2	102	1988	2	75.7	1995	37	1986	28	64.6	1986	38	168	.1	2.7	31.0	.0	.0	.0
Sep	72.7	48.9	60.8	98+	1978	9	65.9	1971	28+	1991	27	56.1	1975	159	33	.0	.9	30.0	.0	.9	.0
Oct	60.8	38.0	49.4	88+	1975	14	58.9	1971	11+	1988	31	42.7+	1987	489	6	.0	.0	26.5	.0	8.7	.0
Nov	44.6	27.2	35.9	78	1999	9	43.2	1999	-10	1950	25	27.9	1976	873	0	.0	.0	10.4	3.9	21.0	.3
Dec	31.2	14.7	23.0	67	2001	6	31.2	1998	-29	1983	25	10.6	1983	1303	0	.0	.0	1.6	15.0	29.0	5.2
Ann	56.5	35.8	46.2	102+	Aug 1988	2	76.5	Jul 1999	-39	Feb 1996	3	2.5	Jan 1977	7419	588	.1	13.0	223.0	59.4	153.3	22.5

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

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Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: FORT ATKINSON, WI

COOP ID: 472869

Climate Division: WI 8

NWS Call Sign:

Elevation: 800 Feet Lat: 42°54N

Lon: 88°51W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.39	1.27	1.29	1988	20	3.78	1979	.15	1981	8.6	4.3	.6	.1	.32	.44	.65	.83	1.01	1.21	1.42	1.68	2.02	2.56	3.07
Feb	1.32	1.27	1.65	2001	9	3.13	1986	.05	1987	7.1	3.7	.6	.1	.12	.21	.39	.57	.77	1.00	1.27	1.61	2.08	2.86	3.62
Mar	2.10	2.10	2.14	1998	31	4.91	1976	.39	1980	8.9	5.0	1.3	.3	.49	.68	.99	1.26	1.54	1.83	2.16	2.54	3.06	3.87	4.63
Apr	3.42	3.11	2.70	1982	3	7.25	1973	1.42+	1994	11.1	7.3	2.2	.6	1.34	1.66	2.11	2.48	2.84	3.19	3.58	4.03	4.60	5.47	6.27
May	3.25	3.22	2.47	1970	13	7.11	2000	.87	1981	11.2	7.1	2.2	.6	.86	1.16	1.63	2.05	2.45	2.88	3.36	3.92	4.65	5.80	6.88
Jun	3.79	3.76	3.21	1950	13	7.18	1993	.57	1987	10.4	6.5	2.5	.9	1.14	1.50	2.03	2.50	2.95	3.42	3.94	4.54	5.33	6.56	7.69
Jul	3.92	3.79	4.11	1962	3	8.21	1995	1.26+	1988	9.6	6.3	2.5	1.1	1.41	1.78	2.31	2.76	3.18	3.62	4.09	4.65	5.35	6.44	7.43
Aug	4.16	3.64	2.79	1958	21	8.34	1980	1.28	1973	9.8	7.0	3.0	1.2	1.57	1.96	2.52	2.98	3.42	3.87	4.35	4.92	5.63	6.74	7.74
Sep	3.41	3.25	4.47	1961	14	9.05	1986	.65	1976	9.5	6.1	2.2	1.0	.65	.96	1.46	1.92	2.39	2.89	3.47	4.16	5.07	6.54	7.94
Oct	2.56	2.36	2.57	1951	21	6.50	1984	.26	1975	8.7	5.2	1.7	.6	.47	.69	1.07	1.42	1.77	2.15	2.59	3.12	3.82	4.95	6.03
Nov	2.49	2.31	2.67	1984	1	5.64	1985	.24	1976	9.6	5.4	1.9	.3	.59	.82	1.19	1.51	1.83	2.18	2.56	3.02	3.62	4.57	5.47
Dec	1.65	1.59	1.80	1971	15	3.91	1971	.19	1989	9.0	4.4	.7	.2	.32	.47	.71	.93	1.16	1.40	1.68	2.01	2.44	3.15	3.81
Ann	33.46	33.82	4.47	Sep 1961	14	9.05	Sep 1986	.05	Feb 1987	113.5	68.3	21.4	7.0	26.15	27.62	29.47	30.85	32.06	33.23	34.42	35.73	37.30	39.55	41.47

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: FORT ATKINSON, WI

COOP ID: 472869

Climate Division: WI 8

NWS Call Sign:

Elevation: 800 Feet

Lat: 42°54N

Lon: 88°51W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	11.3	9.9	5	4	12.0	1971	4	39.0	1979	39	1979	19	22	1979	6.3	4.4	1.6	.4	.1	21.0	14.6	10.4	2.4
Feb	6.5	6.4	4	3	10.0	1983	3	17.0	1974	21	1979	21	18	1979	3.9	2.6	.8	.2	@	16.4	11.7	6.8	1.0
Mar	5.2	3.5	1	#	14.0	1971	19	22.0	1972	16	1979	2	7	1979	2.8	1.8	.6	.2	.1	5.8	2.7	1.1	.2
Apr	1.9	.0	#	0	10.0	1973	10	16.0	1973	14	1973	10	2	1973	.7	.6	.2	.1	@	.8	.3	@	.0
May	.2	.0	#	0	3.5	1994	1	3.5	1994	4	1994	1	#+	1994	.1	.1	@	.0	.0	.1	.1	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	#	0	.7	1997	27	.7	1997	1+	1997	27	#+	1997	.1	.0	.0	.0	.0	.1	.0	.0	.0
Nov	3.0	1.3	#	#	8.4	1995	28	14.3	1995	11	1977	29	2	1995	1.7	1.0	.3	.1	.0	2.6	.8	.3	.0
Dec	9.6	7.7	2	1	8.0	1987	16	32.5	2000	17	2000	31	10	2000	5.6	3.1	1.2	.2	.0	13.8	6.3	2.8	1.0
Ann	37.8	28.8	N/A	N/A	14.0	Mar 1971	19	39.0	Jan 1979	39	Jan 1979	19	22	Jan 1979	21.2	13.6	4.7	1.2	.2	60.6	36.5	21.4	4.6

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: FORT ATKINSON, WI

COOP ID: 472869

Climate Division: WI 8

NWS Call Sign:

Elevation: 800 Feet

Lat: 42°54N

Lon: 88°51W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/05	5/30	5/26	5/23	5/19	5/16	5/12	5/08	5/02
32	5/21	5/16	5/12	5/09	5/06	5/03	4/30	4/26	4/21
28	5/10	5/03	4/29	4/25	4/21	4/17	4/13	4/09	4/02
24	4/18	4/14	4/12	4/10	4/08	4/06	4/04	4/02	3/29
20	4/14	4/08	4/04	4/01	3/29	3/26	3/22	3/18	3/13
16	4/08	4/02	3/28	3/24	3/21	3/17	3/14	3/09	3/03
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/14	9/18	9/21	9/23	9/26	9/28	9/30	10/03	10/07
32	9/21	9/25	9/28	10/01	10/03	10/05	10/08	10/11	10/15
28	9/26	10/03	10/07	10/11	10/15	10/18	10/22	10/27	11/02
24	10/13	10/19	10/23	10/26	10/29	11/01	11/04	11/08	11/13
20	10/19	10/25	10/30	11/03	11/06	11/10	11/14	11/18	11/25
16	11/04	11/09	11/13	11/17	11/20	11/23	11/26	11/30	12/06
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	151	143	138	133	129	125	120	115	107
32	169	162	157	153	149	145	141	136	129
28	202	193	187	181	176	171	165	159	150
24	222	215	211	207	203	199	195	191	184
20	249	240	233	227	222	216	211	204	195
16	269	260	254	248	243	238	232	226	217

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: FORT ATKINSON, WI

COOP ID: 472869

Climate Division: WI 8 NWS Call Sign: Elevation: 800 Feet Lat: 42°54N Lon: 88°51W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1498	1206	974	565	261	45	8	38	159	489	873	1303	7419
60	1343	1066	819	420	159	12	0	9	71	349	723	1148	6119
57	1250	982	726	338	111	5	0	3	39	274	634	1055	5417
55	1188	926	665	288	84	2	0	0	24	229	575	993	4974
50	1033	788	520	176	37	0	0	0	5	136	433	840	3968
32	520	349	128	6	0	0	0	0	0	5	78	359	1445

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	45	67	177	431	802	1067	1233	1153	865	544	195	79	6658
55	0	0	1	23	173	380	520	440	199	55	2	0	1793
57	0	0	0	14	138	322	458	381	153	38	1	0	1505
60	0	0	0	6	93	239	365	294	96	20	0	0	1113
65	0	0	0	1	40	122	218	168	33	6	0	0	588
70	0	0	0	0	13	44	99	79	6	0	0	0	241

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	5	65	244	575	843	995	917	644	328	77	6	0	5	70	314	889	1732	2727	3644	4288	4616	4693	4699
45	0	0	32	145	423	693	840	762	495	207	34	2	0	0	32	177	600	1293	2133	2895	3390	3597	3631	3633
50	0	0	14	80	284	543	685	607	353	118	15	0	0	0	14	94	378	921	1606	2213	2566	2684	2699	2699
55	0	0	3	39	171	395	530	453	227	56	3	0	0	0	3	42	213	608	1138	1591	1818	1874	1877	1877
60	0	0	1	17	93	253	377	302	127	25	0	0	0	0	1	18	111	364	741	1043	1170	1195	1195	1195
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	2	42	153	351	540	666	600	401	203	44	3	0	2	44	197	548	1088	1754	2354	2755	2958	3002	3005

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: FOXBORO, WI

COOP ID: 472889

Climate Division: WI 1

NWS Call Sign:

Elevation: 932 Feet

Lat: 46°29N

Lon: 92°17W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	20.0	-3.3	8.4	54	1973	25	17.9	1987	-45	1972	15	-7.7	1982	1758	0	.0	.0	.1	26.0	30.9	18.3
Feb	27.1	3.3	15.2	59+	1987	7	30.5	1998	-42	1996	2	1.3	1989	1394	0	.0	.0	.7	18.5	27.7	11.8
Mar	37.3	15.6	26.5	75+	1987	7	34.7	2000	-35	1989	2	17.5	1982	1196	0	.0	.0	3.6	9.1	29.2	4.6
Apr	52.1	26.8	39.5	89	1987	20	46.0	1987	-4+	1982	7	33.1	1975	767	0	.0	.0	17.5	.9	22.6	.2
May	65.8	36.1	51.0	94	1969	28	56.5	1977	14	1966	9	45.5	1997	439	3	.0	.3	28.8	.0	10.4	.0
Jun	74.4	45.2	59.8	98	1987	16	63.4	1976	21	1988	9	54.5	1982	178	20	.0	1.2	29.9	.0	1.4	.0
Jul	79.0	52.8	65.9	104	1988	27	71.8	1988	32+	1988	12	60.4	1992	80	108	.2	2.9	31.0	.0	.1	.0
Aug	77.2	51.7	64.5	99	1988	16	69.1	1983	28	1967	22	59.6	1985	91	72	.0	1.5	31.0	.0	.2	.0
Sep	67.7	43.6	55.7	100	1976	7	59.8	1998	18	1965	26	50.4	1993	285	5	@	.2	29.4	.0	3.9	.0
Oct	55.9	32.8	44.4	88	1992	2	50.8	1973	-1	1988	30	38.5	1976	640	0	.0	.0	22.5	.3	14.7	@
Nov	37.6	19.6	28.6	75	1978	3	37.4	1999	-29	1964	30	20.7	1985	1092	0	.0	.0	4.3	9.7	26.6	2.0
Dec	24.2	3.9	14.1	57	1998	3	23.6	1997	-43	1983	19	1.9	1983	1579	0	.0	.0	.2	22.9	30.8	13.0
Ann	51.5	27.3	39.5	104	Jul 1988	27	71.8	Jul 1988	-45	Jan 1972	15	-7.7	Jan 1982	9499	208	.2	6.1	199.0	87.4	198.5	49.9

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1963-2001

(3) Derived from 1971-2000 serially complete daily data

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Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: FOXBORO, WI

COOP ID: 472889

Climate Division: WI 1

NWS Call Sign:

Elevation: 932 Feet

Lat: 46°29N

Lon: 92°17W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.96	.84	1.15	1997	4	2.56	1975	.10	1981	8.3	3.3	.3	@	.21	.30	.44	.57	.70	.83	.99	1.17	1.41	1.80	2.16
Feb	.70	.63	1.26	2001	28	2.24	1981	.05	1988	6.1	2.3	.2	.0	.10	.16	.26	.36	.46	.57	.70	.85	1.06	1.41	1.74
Mar	1.50	1.26	2.02	1965	18	3.47	1977	.34+	1996	7.9	4.1	.7	.1	.32	.46	.68	.88	1.08	1.29	1.53	1.82	2.20	2.81	3.39
Apr	2.04	1.70	2.21	1994	25	5.35	1986	.20	1997	7.7	4.5	1.2	.3	.28	.45	.74	1.02	1.32	1.64	2.02	2.49	3.12	4.14	5.13
May	3.09	3.04	3.10	1970	21	6.24	1993	.30	1976	9.3	6.3	1.9	.7	.90	1.20	1.64	2.02	2.39	2.78	3.21	3.71	4.36	5.39	6.34
Jun	4.28	4.12	2.54	1996	26	7.24	1984	1.25	1983	11.2	7.5	2.8	1.1	1.68	2.08	2.64	3.11	3.55	4.00	4.48	5.04	5.76	6.85	7.85
Jul	4.47	4.27	3.30	1999	25	10.97	1999	1.52	1975	10.9	7.0	3.1	1.3	1.69	2.11	2.70	3.20	3.67	4.15	4.67	5.28	6.05	7.23	8.31
Aug	4.26	4.16	4.00	1971	18	7.84	1974	1.18	1982	9.9	6.8	2.8	1.1	1.51	1.91	2.49	2.98	3.45	3.93	4.45	5.06	5.84	7.04	8.15
Sep	3.88	3.53	4.75	1990	6	8.35	1986	.87	2000	10.2	6.8	2.5	1.0	1.08	1.44	2.00	2.49	2.97	3.47	4.02	4.68	5.52	6.86	8.10
Oct	2.50	1.93	2.40	1971	27	8.25	1971	.50	1976	8.9	5.2	1.7	.4	.50	.73	1.10	1.43	1.77	2.14	2.55	3.04	3.70	4.75	5.75
Nov	2.12	1.97	2.57	1991	1	5.64	1991	.27	1976	7.9	4.6	1.4	.5	.36	.54	.85	1.14	1.44	1.76	2.14	2.59	3.19	4.17	5.11
Dec	.87	.88	1.15	1982	27	2.77	1982	.03	1999	7.9	3.3	.2	@	.16	.24	.37	.48	.61	.74	.89	1.07	1.30	1.69	2.06
Ann	30.67	31.25	4.75	Sep 1990	6	10.97	Jul 1999	.03	Dec 1999	106.2	61.7	18.8	6.5	20.84	22.71	25.12	26.97	28.62	30.22	31.87	33.71	35.95	39.22	42.06

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1963-2001

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Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
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Station: FOXBORO, WI

COOP ID: 472889

Climate Division: WI 1

NWS Call Sign:

Elevation: 932 Feet

Lat: 46°29N

Lon: 92°17W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	12.5	10.9	7	#	13.2	1997	4	34.2	1996	20	1992	28	19	1992	5.4	4.3	1.9	.4	.2	-9.9	-9.9	-9.9	-9.9
Feb	1.6	-99.9	4	#	7.2	2000	15	7.8	1994	16	1994	12	10	1994	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9
Mar	2.5	-99.9	1	0	6.8	2000	15	7.6	1993	7	1994	24	4	1993	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9
Apr	4.4	3.3	#	#	7.2	1994	28	15.5	1996	6	1995	18	1	1992	1.5	1.1	.5	.2	.0	-9.9	-9.9	-9.9	-9.9
May	#	.0	#	0	#	1980	17	#+	1980	#+	1982	31	#+	1982	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	#	0	.0	0	0	.0	0	#	1981	18	#	1981	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.6	.0	#	0	4.2	1991	31	4.2	1991	#+	1996	31	#+	1996	.3	.2	.1	.0	.0	.0	.0	.0	.0
Nov	8.5	7.6	1	#	7.4	1993	25	18.7	1993	12	1994	28	3	1993	3.2	2.8	1.2	.4	.0	-9.9	-9.9	-9.9	-9.9
Dec	7.1	-99.9	3	#	7.7	1995	13	35.7	1996	19	1991	21	18	1991	4.7	3.9	1.4	.2	.0	-9.9	-9.9	-9.9	-9.9
Ann	37.2	-9.9	N/A	N/A	13.2	Jan 1997	4	35.7	Dec 1996	20	Jan 1992	28	19	Jan 1992	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: FOXBORO, WI

COOP ID: 472889

Climate Division: WI 1

NWS Call Sign:

Elevation: 932 Feet

Lat: 46°29N

Lon: 92°17W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/03	6/28	6/24	6/20	6/17	6/14	6/10	6/06	6/01
32	6/27	6/20	6/15	6/11	6/07	6/03	5/30	5/25	5/18
28	6/11	6/05	6/01	5/28	5/25	5/21	5/18	5/13	5/07
24	5/30	5/23	5/19	5/15	5/11	5/07	5/03	4/28	4/22
20	5/12	5/06	5/01	4/28	4/24	4/21	4/17	4/12	4/06
16	4/23	4/19	4/15	4/12	4/09	4/06	4/03	3/31	3/26
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/13	8/19	8/23	8/27	8/30	9/02	9/06	9/10	9/16
32	8/30	9/04	9/07	9/10	9/13	9/15	9/18	9/22	9/27
28	9/15	9/19	9/21	9/23	9/25	9/27	9/30	10/02	10/05
24	9/21	9/27	10/01	10/05	10/08	10/12	10/15	10/20	10/26
20	10/04	10/10	10/14	10/17	10/20	10/24	10/27	10/31	11/06
16	10/17	10/21	10/25	10/28	10/31	11/03	11/06	11/09	11/14
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	99	90	84	78	73	68	63	56	48
32	121	113	107	102	97	92	87	81	72
28	143	136	131	127	123	119	115	110	103
24	177	168	161	155	150	144	138	132	122
20	206	197	190	184	179	173	167	161	151
16	225	218	213	208	204	200	195	190	183

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: FOXBORO, WI

COOP ID: 472889

Climate Division: WI 1 NWS Call Sign: Elevation: 932 Feet Lat: 46°29N Lon: 92°17W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1758	1394	1196	767	439	178	80	91	285	640	1092	1579	9499
60	1603	1254	1041	617	298	80	25	28	160	487	942	1424	7959
57	1510	1170	948	529	224	41	11	11	101	398	852	1331	7126
55	1448	1114	886	471	180	24	6	5	71	341	792	1269	6607
50	1293	974	731	334	94	4	0	0	22	216	643	1114	5425
32	751	513	255	36	1	0	0	0	0	10	195	586	2347

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	16	43	82	259	588	833	1051	1005	710	394	93	30	5104
55	0	0	0	4	54	167	344	297	91	11	0	0	968
57	0	0	0	2	35	124	287	240	61	6	0	0	755
60	0	0	0	0	17	72	208	164	30	2	0	0	493
65	0	0	0	0	3	20	108	72	5	0	0	0	208
70	0	0	0	0	0	3	40	21	0	0	0	0	64

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	11	101	365	610	818	771	492	196	19	0	0	0	11	112	477	1087	1905	2676	3168	3364	3383	3383
45	0	0	2	46	230	460	663	616	348	106	8	0	0	0	2	48	278	738	1401	2017	2365	2471	2479	2479
50	0	0	0	18	129	315	508	461	217	46	0	0	0	0	0	18	147	462	970	1431	1648	1694	1694	1694
55	0	0	0	6	62	185	355	309	119	18	0	0	0	0	0	6	68	253	608	917	1036	1054	1054	1054
60	0	0	0	0	26	91	213	175	53	3	0	0	0	0	0	0	26	117	330	505	558	561	561	561
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	9	103	270	391	518	489	301	132	11	0	0	1	10	113	383	774	1292	1781	2082	2214	2225	2225

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: GENOA DAM 8, WI

COOP ID: 473038

Climate Division: WI 7

NWS Call Sign:

Elevation: 639 Feet

Lat: 43°34N

Lon: 91°14W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	25.1	7.8	16.5	55	1981	25	29.2	1990	-43	1951	30	2.6	1977	1505	0	.0	.0	.3	21.5	30.6	10.0
Feb	31.4	13.8	22.6	63	2000	25	33.3	1998	-38	1996	3	12.0	1978	1187	0	.0	.0	1.4	14.4	26.2	5.8
Mar	43.2	25.6	34.4	81	1986	29	42.2	1973	-31	1962	1	26.1	1975	948	0	.0	.0	8.5	5.0	23.1	1.1
Apr	58.1	38.1	48.1	93	1980	22	54.9	1977	6	1982	6	42.0	1975	510	3	.0	@	23.2	.3	8.2	.0
May	70.5	49.5	60.0	90+	1988	31	67.3	1977	27	1989	6	54.6	1997	205	50	.0	.1	30.8	.0	.4	.0
Jun	78.9	58.9	68.9	101	1987	18	73.9	1971	38	1972	10	63.3	1982	33	150	@	1.8	30.0	.0	.0	.0
Jul	82.5	63.5	73.0	109	1995	13	77.1	1999	46+	1972	5	67.6	1992	7	255	.1	4.0	31.0	.0	.0	.0
Aug	80.1	61.6	70.9	100+	1988	17	76.7	1995	41	1958	25	66.6	1992	20	202	@	2.4	31.0	.0	.0	.0
Sep	71.8	53.0	62.4	95	1955	9	68.0	1998	28	1984	29	57.8	1993	121	43	.0	.5	29.9	.0	.4	.0
Oct	60.2	41.7	51.0	91	1963	6	57.2	1971	15	1988	30	45.5	1988	439	3	.0	.1	26.9	@	5.2	.0
Nov	43.2	28.2	35.7	74+	2000	1	43.4	1999	-9	1977	26	27.9	1991	879	0	.0	.0	8.9	4.6	20.1	.2
Dec	29.7	14.9	22.3	65	1982	2	30.4	1982	-26	2000	25	10.4	1983	1324	0	.0	.0	.7	17.2	29.4	5.0
Ann	56.2	38.1	47.2	109	Jul 1995	13	77.1	Jul 1999	-43	Jan 1951	30	2.6	Jan 1977	7178	706	.1	8.9	222.6	63.0	143.6	22.1

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

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Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: GENOA DAM 8, WI

COOP ID: 473038

Climate Division: WI 7

NWS Call Sign:

Elevation: 639 Feet

Lat: 43°34N

Lon: 91°14W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.01	.88	1.03	1967	25	3.14	1996	.10	1981	8.1	3.1	.4	.0	.18	.27	.42	.56	.70	.85	1.02	1.23	1.51	1.96	2.39
Feb	.84	.67	1.52	1998	27	2.82	1998	.06	1987	6.5	2.4	.2	.1	.09	.16	.28	.39	.52	.66	.82	1.03	1.31	1.76	2.21
Mar	1.82	1.80	1.70	1992	4	4.82	1992	.08	1994	8.7	4.4	1.2	.3	.34	.50	.76	1.01	1.26	1.54	1.85	2.22	2.72	3.52	4.28
Apr	3.56	3.14	3.02	1975	27	6.93	1999	1.06	1997	11.3	6.8	2.5	.7	1.20	1.54	2.03	2.45	2.85	3.26	3.71	4.23	4.91	5.95	6.91
May	3.63	3.41	3.96	2000	18	7.95	1991	.96	1994	11.2	7.4	2.3	.9	1.12	1.46	1.98	2.42	2.84	3.29	3.77	4.35	5.08	6.23	7.30
Jun	4.07	3.26	4.90	2000	1	11.69	2000	1.34	1988	10.5	7.0	2.8	1.1	1.14	1.53	2.12	2.62	3.12	3.64	4.22	4.90	5.78	7.16	8.45
Jul	4.64	3.90	6.13	1951	21	10.50	1987	1.33	1985	10.1	7.0	3.1	1.1	1.38	1.82	2.48	3.05	3.61	4.18	4.82	5.56	6.53	8.04	9.44
Aug	4.60	4.20	4.75	1959	27	11.38	1980	.79	1971	10.3	7.4	3.1	1.3	1.24	1.67	2.34	2.92	3.50	4.10	4.76	5.55	6.59	8.20	9.71
Sep	3.56	3.28	2.96	1969	1	8.95	1985	.70	1975	9.5	6.2	2.4	1.0	.73	1.05	1.57	2.05	2.53	3.05	3.63	4.33	5.26	6.74	8.15
Oct	2.26	2.14	1.77	1972	23	5.48	1984	.44	1987	8.4	4.9	1.6	.4	.65	.87	1.19	1.47	1.75	2.03	2.35	2.72	3.20	3.96	4.66
Nov	2.27	2.12	2.27	1982	12	5.03	1991	.04	1976	9.5	4.6	1.6	.5	.37	.56	.89	1.20	1.53	1.88	2.28	2.77	3.43	4.49	5.51
Dec	1.13	1.03	1.21	1975	14	3.28	1982	.19	1993	8.2	3.3	.5	.1	.26	.37	.53	.68	.83	.99	1.16	1.37	1.64	2.08	2.49
Ann	33.39	34.14	6.13	Jul 1951	21	11.69	Jun 2000	.04	Nov 1976	112.3	64.5	21.7	7.5	24.12	25.93	28.24	29.98	31.53	33.03	34.57	36.28	38.34	41.32	43.90

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: GENOA DAM 8, WI

COOP ID: 473038

Climate Division: WI 7

NWS Call Sign:

Elevation: 639 Feet

Lat: 43°34N

Lon: 91°14W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	9.5	7.7	6	4	16.0	1971	4	22.5	1979	30	1996	29	17	1971	5.2	3.5	1.1	.3	.1	22.8	18.0	13.8	4.2
Feb	7.0	5.8	6	4	10.0	1971	5	16.0	1971	30	1996	6	22	1979	3.3	2.2	.4	.1	.1	17.2	13.1	10.1	5.1
Mar	5.5	4.0	2	1	12.0	1997	14	15.8	1975	16	1979	2	9	1975	2.0	1.5	.6	.2	@	7.7	5.1	3.1	1.0
Apr	.8	.0	#	0	9.0	1973	9	13.0	1973	13	1973	10	2	1973	.3	.2	.1	@	.0	.4	.2	.2	.1
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	#	.0	0	0	#	1993	29	#	1993	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	3.0	1.1	1	#	6.0	1991	2	15.0	1985	14	1991	28	5	1991	1.4	1.1	.5	.3	.0	3.8	2.8	1.9	.3
Dec	7.3	6.7	3	3	8.0	1985	2	15.9	1977	23	2000	30	16	1985	5.0	3.1	.9	.1	.0	18.4	10.9	5.3	.7
Ann	33.1	25.3	N/A	N/A	16.0	Jan 1971	4	22.5	Jan 1979	30+	Feb 1996	6	22	Feb 1979	17.2	11.6	3.6	1.0	.2	70.3	50.1	34.4	11.4

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: GENOA DAM 8, WI

COOP ID: 473038

Climate Division: WI 7

NWS Call Sign:

Elevation: 639 Feet

Lat: 43°34N

Lon: 91°14W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/20	5/15	5/12	5/09	5/06	5/03	4/30	4/26	4/21
32	5/08	5/03	4/29	4/26	4/23	4/20	4/17	4/13	4/08
28	4/26	4/21	4/18	4/15	4/13	4/10	4/07	4/04	3/30
24	4/14	4/11	4/08	4/06	4/03	4/01	3/30	3/27	3/23
20	4/08	4/03	3/30	3/27	3/25	3/22	3/19	3/16	3/11
16	4/04	3/30	3/26	3/22	3/19	3/16	3/12	3/08	3/03
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/20	9/24	9/27	9/30	10/02	10/04	10/07	10/10	10/14
32	9/23	9/28	10/02	10/05	10/08	10/11	10/14	10/18	10/23
28	10/07	10/13	10/16	10/20	10/23	10/26	10/29	11/02	11/08
24	10/21	10/25	10/28	10/31	11/03	11/05	11/08	11/11	11/15
20	10/28	11/02	11/06	11/09	11/12	11/15	11/18	11/22	11/27
16	11/05	11/11	11/15	11/18	11/22	11/25	11/29	12/03	12/09
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	167	160	156	152	149	145	141	137	131
32	189	181	176	171	167	163	158	153	145
28	214	207	201	197	193	188	184	179	171
24	229	224	219	216	212	209	206	201	195
20	255	247	241	236	232	227	223	217	209
16	272	264	257	252	247	242	236	230	221

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: GENOA DAM 8, WI

COOP ID: 473038

Climate Division: WI 7 NWS Call Sign: Elevation: 639 Feet Lat: 43°34N Lon: 91°14W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1505	1187	948	510	205	33	7	20	121	439	879	1324	7178
60	1350	1047	793	370	114	7	0	3	45	298	729	1169	5925
57	1257	963	701	294	74	2	0	0	21	224	640	1076	5252
55	1195	907	640	247	53	1	0	0	10	180	582	1014	4829
50	1040	770	496	148	19	0	0	0	1	94	443	860	3871
32	529	334	115	5	0	0	0	0	0	1	91	374	1449

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	47	71	189	488	867	1107	1271	1205	913	588	202	73	7021
55	0	0	2	40	207	418	558	492	233	54	2	0	2006
57	0	0	0	27	166	359	496	430	183	35	1	0	1697
60	0	0	0	13	113	274	403	340	118	16	0	0	1277
65	0	0	0	3	50	150	255	202	43	3	0	0	706
70	0	0	0	0	16	63	129	99	9	0	0	0	316

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	5	64	275	628	875	1031	971	687	361	70	3	0	5	69	344	972	1847	2878	3849	4536	4897	4967	4970
45	0	1	29	167	473	725	876	816	538	229	30	2	0	1	30	197	670	1395	2271	3087	3625	3854	3884	3886
50	0	1	13	89	324	575	721	661	392	128	8	0	0	1	14	103	427	1002	1723	2384	2776	2904	2912	2912
55	0	0	4	42	194	425	566	506	255	62	2	0	0	0	4	46	240	665	1231	1737	1992	2054	2056	2056
60	0	0	0	18	103	281	412	353	145	19	0	0	0	0	0	18	121	402	814	1167	1312	1331	1331	1331
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	36	158	374	574	711	650	421	195	32	1	0	1	37	195	569	1143	1854	2504	2925	3120	3152	3153

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: GERMANTOWN, WI

COOP ID: 473058

Climate Division: WI 9

NWS Call Sign:

Elevation: 850 Feet Lat: 43° 13N Lon: 88° 07W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	24.9	8.1	16.5	57	1950	25	27.8	1990	-40+	1982	11	2.6	1977	1504	0	.0	.0	.5	21.2	30.4	10.0
Feb	29.8	12.9	21.4	64+	2000	27	32.7	1998	-28+	1996	4	11.1	1979	1223	0	.0	.0	1.2	15.7	27.1	6.0
Mar	40.3	23.3	31.8	83	1986	30	40.6	2000	-20	1962	1	25.1	1984	1030	0	.0	.0	6.4	6.9	25.7	1.1
Apr	53.3	33.7	43.5	89	1980	23	49.4	1985	7	1979	9	37.2	1975	645	0	.0	.0	18.7	.6	13.5	.0
May	66.1	43.8	55.0	92	1975	20	61.5	1977	20	1966	10	49.3	1997	333	21	.0	.1	29.9	.0	3.6	.0
Jun	75.9	53.0	64.5	99	1988	22	69.4	1987	27	1990	4	59.2	1982	87	70	.0	1.8	30.0	.0	.1	.0
Jul	80.2	58.4	69.3	102	1995	14	74.1	1999	38+	1990	31	63.9	1992	23	157	.1	3.8	31.0	.0	.0	.0
Aug	78.0	56.6	67.3	102+	1988	17	74.1	1995	36+	1992	20	60.3	1992	64	136	.1	1.7	31.0	.0	.0	.0
Sep	70.5	48.7	59.6	99	1953	1	64.5	1998	22	1993	30	54.9	1993	184	22	.0	.6	29.9	.0	1.3	.0
Oct	58.4	37.6	48.0	89	1963	6	55.5	1971	14+	1993	29	42.5	1987	527	1	.0	.0	25.4	.0	9.7	.0
Nov	43.5	26.9	35.2	77	1950	1	42.3	1999	-15	1976	29	27.4	1995	894	0	.0	.0	9.5	4.2	21.5	.3
Dec	30.3	14.7	22.5	67	2001	6	30.3	1982	-25	1983	24	10.3	1983	1318	0	.0	.0	1.3	15.4	29.5	5.0
Ann	54.3	34.8	44.6	102+	Jul 1995	14	74.1+	Jul 1999	-40+	Jan 1982	11	2.6	Jan 1977	7832	407	.2	8.0	214.8	64.0	162.4	22.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

037-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: GERMANTOWN, WI

COOP ID: 473058

Climate Division: WI 9

NWS Call Sign:

Elevation: 850 Feet

Lat: 43°13N

Lon: 88°07W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.35	1.10	1.58	1988	20	4.62	1999	.03	1981	8.5	4.3	.5	.1	.21	.32	.52	.71	.90	1.11	1.35	1.65	2.05	2.70	3.32
Feb	1.20	1.09	1.56	1997	21	3.19	1971	.00	1987	7.2	3.2	.6	.1	.08	.20	.39	.57	.75	.95	1.19	1.48	1.87	2.51	3.13
Mar	2.04	1.98	2.18	1998	31	4.64	1976	.36	1978	8.8	5.0	1.2	.3	.51	.70	1.00	1.26	1.52	1.80	2.11	2.47	2.95	3.70	4.41
Apr	3.30	3.23	2.50	1982	3	8.47	1993	1.16	1989	11.4	6.4	2.1	.7	1.22	1.53	1.97	2.34	2.70	3.06	3.45	3.90	4.48	5.38	6.20
May	3.03	2.74	3.55	2000	18	8.28	2000	.53	1988	10.9	6.1	2.0	.5	.72	1.00	1.45	1.84	2.23	2.65	3.12	3.67	4.40	5.56	6.64
Jun	3.82	3.39	5.25	1997	21	9.61	1997	.97	1995	10.5	6.4	2.7	.9	1.08	1.45	2.00	2.47	2.94	3.42	3.96	4.59	5.42	6.71	7.91
Jul	4.05	4.24	7.05	1964	18	8.75	1994	.69	1973	10.6	6.6	2.6	1.1	1.25	1.63	2.20	2.70	3.17	3.67	4.21	4.85	5.67	6.96	8.15
Aug	4.28	3.78	3.78	1983	17	9.03	1995	1.11	1976	10.5	6.8	3.0	1.3	1.50	1.91	2.49	2.98	3.46	3.94	4.47	5.08	5.87	7.08	8.20
Sep	3.53	3.41	4.07	1986	11	10.43	1986	.00	1979	9.8	6.4	2.4	.8	.48	.93	1.53	2.03	2.53	3.06	3.65	4.35	5.28	6.75	8.14
Oct	2.47	2.01	3.09	1954	3	5.47	1991	.27	1975	9.9	5.1	1.6	.4	.54	.76	1.13	1.45	1.78	2.13	2.53	3.00	3.62	4.62	5.56
Nov	2.59	2.49	2.57	1984	1	6.70	1985	.50	1976	9.9	5.6	1.8	.4	.61	.85	1.23	1.57	1.90	2.26	2.66	3.13	3.76	4.75	5.68
Dec	1.79	1.58	1.80	1971	15	5.01	2000	.27+	1989	9.1	4.6	.9	.2	.32	.48	.74	.99	1.24	1.50	1.81	2.18	2.67	3.46	4.21
Ann	33.45	33.51	7.05	Jul 1964	18	10.43	Sep 1986	.00+	Feb 1987	117.1	66.5	21.4	6.8	25.46	27.05	29.06	30.57	31.90	33.18	34.49	35.93	37.67	40.17	42.32

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: GERMANTOWN, WI

COOP ID: 473058

Climate Division: WI 9

NWS Call Sign:

Elevation: 850 Feet

Lat: 43° 13N

Lon: 88° 07W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	13.3	13.1	6	3	11.0	1971	4	37.1	1979	47	1979	28	33	1979	5.4	4.1	1.7	.7	.1	20.6	16.6	10.9	7.7
Feb	8.2	7.6	6	3	8.0	1974	6	31.0	1994	43	1979	1	36	1979	3.8	2.8	1.0	.4	.0	18.4	14.1	10.6	5.1
Mar	6.7	5.0	2	1	12.0	1971	19	21.0+	1972	25	1978	6	11	1978	3.0	2.3	.6	.3	@	12.4	7.5	5.7	2.7
Apr	1.5	.1	#	#	15.0	1973	10	15.0	1973	15	1973	11	2	1973	1.0	.8	.3	.1	@	1.4	.6	.4	.2
May	.3	.0	#	0	5.5	1994	1	5.5	1994	6	1994	1	#+	1994	.1	.1	@	@	.0	.1	@	@	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	#	0	3.0	1992	20	3.0	1992	#+	1997	27	#+	1997	.1	@	@	.0	.0	.0	.0	.0	.0
Nov	3.4	1.6	#	#	10.2	1995	28	18.8	1977	16	1977	30	3	1995	1.8	1.2	.5	.2	@	2.6	1.1	.6	.2
Dec	7.8	6.2	3	2	8.5	1984	27	22.0	1972	27	2000	31	13	2000	4.9	3.3	1.3	.5	.0	18.3	10.1	5.8	.7
Ann	41.3	33.6	N/A	N/A	15.0	Apr 1973	10	37.1	Jan 1979	47	Jan 1979	28	36	Feb 1979	20.1	14.6	5.4	2.2	.1	73.8	50.0	34.0	16.6

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: GERMANTOWN, WI

COOP ID: 473058

Climate Division: WI 9

NWS Call Sign:

Elevation: 850 Feet

Lat: 43° 13N

Lon: 88° 07W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/16	6/10	6/05	6/02	5/29	5/25	5/22	5/17	5/11
32	5/31	5/26	5/22	5/19	5/15	5/12	5/09	5/05	4/30
28	5/18	5/13	5/09	5/05	5/02	4/29	4/26	4/22	4/16
24	5/01	4/26	4/22	4/19	4/16	4/13	4/10	4/07	4/02
20	4/20	4/15	4/11	4/08	4/06	4/03	3/31	3/27	3/22
16	4/11	4/05	4/01	3/29	3/25	3/22	3/19	3/14	3/09
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/29	9/05	9/09	9/13	9/17	9/20	9/24	9/28	10/05
32	9/16	9/20	9/24	9/26	9/29	10/01	10/04	10/07	10/12
28	9/23	9/28	10/02	10/05	10/09	10/12	10/15	10/19	10/24
24	10/11	10/16	10/20	10/24	10/27	10/30	11/02	11/06	11/12
20	10/17	10/23	10/27	10/31	11/03	11/06	11/10	11/14	11/20
16	10/29	11/05	11/10	11/14	11/17	11/21	11/25	11/30	12/06
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	141	130	122	116	110	104	97	89	79
32	154	147	143	139	136	132	128	124	118
28	181	174	168	163	159	154	149	144	136
24	215	207	202	197	193	189	184	178	171
20	233	226	220	215	211	206	201	196	188
16	261	252	246	241	236	231	226	220	212

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: GERMANTOWN, WI

COOP ID: 473058

Climate Division: WI 9 NWS Call Sign: Elevation: 850 Feet Lat: 43°13N Lon: 88°07W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1504	1223	1030	645	333	87	23	64	184	527	894	1318	7832
60	1349	1083	875	497	214	30	4	19	84	380	744	1163	6442
57	1256	999	782	410	156	13	0	8	45	298	654	1070	5691
55	1194	943	720	354	123	7	0	4	28	248	594	1008	5223
50	1039	803	568	228	60	1	0	0	5	143	450	853	4150
32	521	345	144	9	0	0	0	0	0	4	84	367	1474

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	40	46	137	354	711	973	1157	1095	828	500	180	72	6093
55	0	0	0	10	122	290	444	386	166	31	1	0	1450
57	0	0	0	5	93	236	382	329	123	19	0	0	1187
60	0	0	0	2	58	163	293	246	72	8	0	0	842
65	0	0	0	0	21	70	157	136	22	1	0	0	407
70	0	0	0	0	6	18	65	60	4	0	0	0	153

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	3	47	186	480	749	922	864	604	287	69	5	0	3	50	236	716	1465	2387	3251	3855	4142	4211	4216
45	0	0	22	103	337	599	767	709	457	173	31	1	0	0	22	125	462	1061	1828	2537	2994	3167	3198	3199
50	0	0	9	55	213	449	612	554	316	93	11	0	0	0	9	64	277	726	1338	1892	2208	2301	2312	2312
55	0	0	2	28	122	308	457	400	196	40	4	0	0	0	2	30	152	460	917	1317	1513	1553	1557	1557
60	0	0	0	9	62	187	307	258	107	13	0	0	0	0	0	9	71	258	565	823	930	943	943	943
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	29	117	289	469	608	563	372	169	40	2	0	0	29	146	435	904	1512	2075	2447	2616	2656	2658

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: GOODMAN, WI

COOP ID: 473174

Climate Division: WI 3

NWS Call Sign:

Elevation: 1,430 Feet Lat: 45°38N

Lon: 88°21W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max ≥ 100	Max ≥ 90	Max ≥ 50	Max ≤ 32	Min ≤ 32	Min ≤ 0
Jan	21.0	3.2	12.1	53	1973	26	23.8	1990	-39	1982	17	2.8	1994	1641	0	.0	.0	@	25.9	30.9	14.9
Feb	26.6	6.4	16.5	56+	1984	23	28.3	1998	-35	1996	2	7.5	1979	1359	0	.0	.0	.6	19.3	27.8	11.1
Mar	37.1	16.3	26.7	76	2000	8	36.3	2000	-24	1962	1	19.9	1984	1187	0	.0	.0	4.1	10.0	29.1	4.4
Apr	51.2	28.4	39.8	91	1980	23	46.2	1998	-3	1972	5	33.3	1975	756	0	.0	@	16.3	1.3	20.9	.1
May	65.4	39.8	52.6	90	1969	28	60.7	1977	15	1967	3	45.2	1983	404	19	.0	.0	28.9	.0	7.6	.0
Jun	72.8	49.0	60.9	94+	1971	27	65.8	1995	28+	1986	2	52.3	1982	164	42	.0	.6	30.0	.0	.8	.0
Jul	76.4	54.2	65.3	96	1977	20	69.9	1983	34+	1981	22	59.2	1992	74	84	.0	1.0	31.0	.0	.0	.0
Aug	73.9	52.3	63.1	96	1988	3	67.5	1995	32	1986	29	59.1	1997	118	58	.0	.5	31.0	.0	@	.0
Sep	64.9	43.8	54.4	92+	1998	12	60.3	1998	21	1974	23	49.7	1993	321	3	.0	.1	29.3	.0	3.0	.0
Oct	53.8	33.7	43.8	86	1963	6	51.5	1971	10	1969	23	38.3	1988	660	0	.0	.0	20.8	.1	15.4	.0
Nov	38.3	23.0	30.7	73	1978	4	40.0	1999	-14	1959	20	21.8	1995	1032	0	.0	.0	5.0	8.9	26.8	.9
Dec	25.7	10.0	17.9	60	1998	3	26.2	1994	-28	1983	20	7.3	1983	1462	0	.0	.0	.3	22.8	30.6	9.1
Ann	50.6	30.0	40.3	96+	Aug 1988	3	69.9	Jul 1983	-39	Jan 1982	17	2.8	Jan 1994	9178	206	.0	2.2	197.3	88.3	192.9	40.5

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1959-2001

(3) Derived from 1971-2000 serially complete daily data

038-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: GOODMAN, WI

COOP ID: 473174

Climate Division: WI 3

NWS Call Sign:

Elevation: 1,430 Feet Lat: 45°38N

Lon: 88°21W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.10	1.06	1.15	1971	4	3.46	1971	.00+	2000	6.5	3.9	.4	@	.00	.22	.45	.62	.79	.96	1.15	1.37	1.67	2.14	2.58
Feb	.93	.76	2.00	1998	28	3.20	1971	.00+	1997	4.3	2.8	.4	.1	.00	.00	.22	.38	.54	.72	.92	1.18	1.51	2.06	2.60
Mar	1.91	1.76	2.00	1973	7	6.98	1977	.00	1994	6.2	4.0	1.3	.4	.09	.26	.55	.83	1.13	1.46	1.86	2.35	3.02	4.13	5.21
Apr	2.15	2.31	1.50+	1986	6	4.49	1993	.00	1997	8.7	5.6	1.2	.3	.45	.75	1.11	1.40	1.67	1.96	2.26	2.62	3.09	3.81	4.48
May	3.35	3.27	3.35	1962	13	7.69	1991	.53	1986	10.2	6.6	2.1	.8	1.00	1.32	1.80	2.21	2.61	3.03	3.48	4.02	4.72	5.82	6.83
Jun	3.84	3.43	3.30	1981	14	8.85	1996	1.35	1988	9.6	7.4	2.3	.8	1.21	1.58	2.12	2.58	3.03	3.49	4.00	4.59	5.36	6.55	7.65
Jul	3.92	3.52	3.50	1982	11	9.66	1999	1.18	1998	10.0	7.1	2.3	.7	1.57	1.93	2.45	2.87	3.27	3.67	4.11	4.62	5.26	6.24	7.13
Aug	3.64	3.47	3.00	1978	16	7.53	1978	1.01	1991	9.3	7.1	2.6	.6	1.70	2.02	2.46	2.81	3.14	3.47	3.82	4.22	4.72	5.48	6.17
Sep	4.01	3.91	2.55	2000	11	8.91	1994	.97	1989	9.6	6.6	2.5	.9	1.50	1.88	2.42	2.86	3.29	3.72	4.20	4.74	5.44	6.51	7.49
Oct	2.65	2.79	2.10	1995	6	5.57	1995	.18	2000	8.0	5.1	1.6	.6	.57	.81	1.20	1.55	1.90	2.28	2.70	3.21	3.89	4.96	5.98
Nov	1.97	1.61	1.85	1985	2	5.90	1985	.00	1999	7.0	4.6	1.0	.3	.18	.40	.73	1.01	1.31	1.63	2.00	2.44	3.03	3.99	4.91
Dec	1.24	1.30	1.50	1959	28	2.83	1996	.00+	1999	7.5	4.5	.5	@	.00	.25	.50	.70	.89	1.09	1.30	1.55	1.89	2.42	2.93
Ann	30.71	30.67	3.50	Jul 1982	11	9.66	Jul 1999	.00+	Jan 2000	96.9	65.3	18.2	5.5	23.18	24.67	26.56	27.99	29.25	30.45	31.70	33.06	34.71	37.08	39.12

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1959-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: GOODMAN, WI

COOP ID: 473174

Climate Division: WI 3

NWS Call Sign:

Elevation: 1,430 Feet

Lat: 45°38N

Lon: 88°21W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	12.3	9.7	14	15	12.0	1971	4	36.5	1971	33	1971	31	26+	1982	4.9	4.3	1.7	.4	.1	-9.9	-9.9	-9.9	-9.9
Feb	8.6	7.0	16	15	8.5	1975	25	22.5	1971	40	1971	23	37	1971	3.4	2.8	1.0	.1	.0	-9.9	-9.9	-9.9	-9.9
Mar	10.2	9.5	12	8	9.0	1989	15	28.0	1972	42	1972	11	33	1972	2.9	2.3	1.1	.5	.0	-9.9	-9.9	-9.9	-9.9
Apr	4.0	4.0	2	1	7.0	1972	22	9.5	1972	26	1972	1	13	1972	1.5	1.1	.4	.1	.0	5.9	4.3	3.2	1.8
May	.6	.0	#	0	5.0	1990	12	7.0	1990	7	1990	12	#+	1990	.2	.2	.1	@	.0	.2	.1	.1	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.9	.0	#	#	4.0	1972	23	4.1	1979	4	1992	16	1	1979	.6	.4	.1	.0	.0	.5	.2	.0	.0
Nov	4.1	3.6	1	1	6.0	2000	13	9.5+	1989	11	1985	30	3	1985	1.9	1.7	.6	.1	.0	3.5	1.9	1.1	.0
Dec	11.1	11.0	6	6	6.5	1981	31	23.0	1972	26	1996	30	19	1985	4.8	3.7	1.6	.3	.0	-9.9	-9.9	-9.9	-9.9
Ann	51.8	44.8	N/A	N/A	12.0	Jan 1971	4	36.5	Jan 1971	42	Mar 1972	11	37	Feb 1971	20.2	16.5	6.6	1.5	.1	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: GOODMAN, WI

COOP ID: 473174

Climate Division: WI 3

NWS Call Sign:

Elevation: 1,430 Feet

Lat: 45°38N

Lon: 88°21W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/06	6/28	6/23	6/19	6/15	6/11	6/06	6/01	5/25
32	6/14	6/09	6/06	6/02	5/30	5/28	5/24	5/21	5/16
28	6/03	5/28	5/23	5/19	5/15	5/11	5/07	5/02	4/25
24	5/16	5/11	5/08	5/05	5/02	4/29	4/26	4/23	4/18
20	5/06	5/01	4/26	4/23	4/20	4/16	4/13	4/09	4/03
16	4/21	4/16	4/14	4/11	4/09	4/06	4/04	4/01	3/28
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/22	8/27	8/31	9/04	9/07	9/10	9/14	9/18	9/24
32	9/09	9/13	9/15	9/18	9/20	9/23	9/25	9/28	10/02
28	9/20	9/24	9/27	9/30	10/02	10/04	10/07	10/10	10/14
24	9/23	9/30	10/05	10/09	10/13	10/17	10/21	10/26	11/02
20	10/10	10/17	10/21	10/25	10/28	11/01	11/05	11/09	11/15
16	10/21	10/26	10/30	11/02	11/05	11/08	11/11	11/15	11/20
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	115	104	97	90	84	77	71	63	52
32	130	124	119	116	112	109	105	100	94
28	162	154	148	144	139	135	130	125	117
24	189	180	174	168	163	158	152	146	137
20	218	209	202	196	191	185	180	173	163
16	231	224	218	214	210	206	201	196	189

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: GOODMAN, WI

COOP ID: 473174

Climate Division: WI 3 NWS Call Sign: Elevation: 1,430 Feet Lat: 45°38N Lon: 88°21W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1641	1359	1187	756	404	164	74	118	321	660	1032	1462	9178
60	1486	1219	1032	608	278	81	19	44	189	508	882	1307	7653
57	1393	1135	939	522	215	46	7	19	125	420	792	1214	6827
55	1331	1079	877	466	178	30	2	10	90	364	732	1152	6311
50	1176	939	722	334	101	8	0	1	32	239	584	997	5133
32	630	456	240	42	3	0	0	0	0	16	153	471	2011

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	13	21	76	276	640	867	1033	963	672	379	111	32	5083
55	0	0	0	9	102	207	322	261	72	14	0	0	987
57	0	0	0	6	77	163	265	207	47	8	0	0	773
60	0	0	0	2	48	108	184	139	21	3	0	0	505
65	0	0	0	0	19	42	84	58	3	0	0	0	206
70	0	0	0	0	6	11	23	15	0	0	0	0	55

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	18	125	412	636	801	739	453	184	23	1	0	0	18	143	555	1191	1992	2731	3184	3368	3391	3392
45	0	0	4	69	279	486	646	584	311	96	6	0	0	0	4	73	352	838	1484	2068	2379	2475	2481	2481
50	0	0	0	32	172	344	491	429	189	42	0	0	0	0	0	32	204	548	1039	1468	1657	1699	1699	1699
55	0	0	0	14	94	217	341	280	97	13	0	0	0	0	0	14	108	325	666	946	1043	1056	1056	1056
60	0	0	0	5	43	112	201	150	39	3	0	0	0	0	0	5	48	160	361	511	550	553	553	553
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	18	100	276	396	511	457	267	113	15	0	0	0	18	118	394	790	1301	1758	2025	2138	2153	2153

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: GORDON, WI

COOP ID: 473186

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,040 Feet Lat: 46° 15N

Lon: 91° 48W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max ≥ 100	Max ≥ 90	Max ≥ 50	Max ≤ 32	Min ≤ 32	Min ≤ 0
Jan	18.8	-4.9	7.0	51	1981	26	17.9	1990	-48	1977	10	-6.2	1977	1802	0	.0	.0	.1	26.4	30.9	18.8
Feb	26.6	1.3	14.0	58	1981	18	29.4	1998	-46	1996	2	2.4	1989	1430	0	.0	.0	.4	17.8	27.9	13.3
Mar	37.7	15.0	26.4	73+	2000	8	35.0	2000	-42	1962	1	18.2	1996	1199	0	.0	.0	4.7	8.8	29.1	5.6
Apr	53.0	28.2	40.6	92	1980	22	48.3	1987	-8	1975	1	34.6	1996	732	0	.0	@	18.5	1.0	21.7	.2
May	67.4	40.6	54.0	93+	1977	13	62.7	1977	7	1966	9	47.3	1997	368	27	.0	.4	29.3	@	7.9	.0
Jun	75.6	49.7	62.7	97	1977	26	67.6	1995	26+	1990	4	57.7	1982	122	51	.0	1.6	29.9	.0	1.0	.0
Jul	79.8	55.4	67.6	101	1974	13	72.1	1988	31	1967	5	61.4	1992	47	127	.1	3.0	31.0	.0	.0	.0
Aug	76.8	53.0	64.9	98	1988	17	69.2	1995	26	1986	28	60.6	1997	90	88	.0	1.3	31.0	.0	.3	.0
Sep	67.0	43.7	55.4	98	1976	7	60.9	1998	18+	1967	29	50.0	1993	295	6	.0	.2	29.4	.0	5.3	.0
Oct	54.6	33.2	43.9	86+	1992	3	50.7	1971	4+	1988	30	37.3	1976	655	0	.0	.0	21.2	.3	18.2	.0
Nov	36.9	20.2	28.6	72	1953	17	36.9	1999	-31+	1985	29	19.5	1976	1094	0	.0	.0	4.6	10.0	27.3	2.4
Dec	23.5	4.0	13.8	59	1982	3	23.5	1997	-44	1983	19	.4	1983	1590	0	.0	.0	.2	23.6	30.9	13.8
Ann	51.5	28.3	39.9	101	Jul 1974	13	72.1	Jul 1988	-48	Jan 1977	10	-6.2	Jan 1977	9424	299	.1	6.5	200.3	87.9	200.5	54.1

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1951-2001

(3) Derived from 1971-2000 serially complete daily data

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Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: GORDON, WI

COOP ID: 473186

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,040 Feet Lat: 46°15N

Lon: 91°48W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.12	.88	1.36	1996	18	2.96	1996	.07	1981	9.7	3.7	.4	@	.16	.25	.41	.57	.73	.91	1.11	1.36	1.70	2.25	2.78
Feb	.82	.63	1.12	1965	10	2.76	1981	.09	1987	6.6	2.6	.4	.0	.11	.18	.29	.41	.53	.66	.82	1.01	1.26	1.69	2.09
Mar	1.68	1.53	1.63	1998	28	3.79	1977	.35	1987	8.8	4.2	1.0	.2	.43	.59	.83	1.05	1.26	1.48	1.73	2.02	2.41	3.02	3.59
Apr	2.12	2.36	2.51	2001	23	3.87	1981	.27	1988	9.0	5.6	1.2	.3	.46	.65	.96	1.24	1.53	1.83	2.17	2.58	3.11	3.97	4.78
May	3.25	3.04	3.75	1953	20	6.19	1982	.11	1976	11.0	6.0	2.2	.7	.74	1.05	1.52	1.95	2.37	2.82	3.33	3.94	4.73	6.00	7.19
Jun	3.74	3.08	5.14	1981	14	9.10	1981	1.09	1972	13.0	7.7	2.3	.8	1.37	1.72	2.22	2.64	3.05	3.46	3.91	4.43	5.09	6.11	7.05
Jul	4.88	4.80	5.23	1994	20	10.94	1999	1.08	1975	11.4	7.5	3.0	1.3	1.36	1.82	2.53	3.14	3.74	4.36	5.06	5.88	6.94	8.61	10.16
Aug	4.47	4.24	6.33	1978	23	8.94	1978	1.21	1976	11.1	7.0	2.8	1.2	1.53	1.95	2.57	3.09	3.59	4.10	4.66	5.32	6.15	7.45	8.64
Sep	3.78	3.02	5.80	1994	15	8.75	1994	.69	1976	11.7	7.1	2.3	.8	.74	1.09	1.64	2.15	2.66	3.22	3.84	4.60	5.60	7.20	8.72
Oct	2.55	2.24	2.65	1970	8	7.42	1971	.53	1976	10.7	5.8	1.7	.5	.67	.91	1.28	1.61	1.93	2.26	2.64	3.08	3.66	4.57	5.42
Nov	1.95	1.76	1.84	1961	2	6.32	1991	.25	1981	10.0	4.7	1.1	.3	.37	.55	.84	1.10	1.37	1.66	1.98	2.38	2.90	3.74	4.54
Dec	.98	.93	1.12	1965	12	2.43	1972	.24	1999	9.2	3.4	.2	.0	.29	.38	.52	.64	.76	.88	1.01	1.17	1.38	1.70	2.00
Ann	31.34	30.93	6.33	Aug 1978	23	10.94	Jul 1999	.07	Jan 1981	122.2	65.3	18.6	6.1	20.98	22.93	25.46	27.40	29.14	30.82	32.57	34.51	36.88	40.34	43.35

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1951-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
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Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: GORDON, WI

COOP ID: 473186

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,040 Feet

Lat: 46° 15N

Lon: 91° 48W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	12.9	10.8	13	13	11.2	1982	23	30.0	1997	32	1972	31	26	1997	9.3	4.6	1.3	.4	@	29.8	29.0	26.2	16.7
Feb	7.9	6.9	16	15	10.0	1971	5	17.5	1971	35	1972	7	30	1972	5.5	2.7	.7	.2	.1	27.9	27.6	26.7	21.3
Mar	9.1	8.3	12	10	14.0	1985	4	24.5	1985	44	1975	31	27+	1997	4.7	2.6	.9	.4	@	25.6	22.7	19.7	14.2
Apr	3.9	2.9	2	1	10.0	1989	1	13.4	1996	44	1975	3	18	1996	1.9	1.0	.5	.2	@	5.8	3.3	2.0	.6
May	.2	.0	#	0	2.0	1979	5	2.0	1979	4	1984	1	#+	1996	.2	.1	.0	.0	.0	.2	@	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	0	0	#	1995	22	#	1995	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.8	.1	#	#	3.5	1977	11	3.5	1977	3	1982	20	#+	2000	.7	.4	@	.0	.0	.7	.1	.0	.0
Nov	7.8	6.1	2	1	15.0	1991	30	23.0	1983	21	1991	30	13	1991	5.5	2.7	.9	.4	.1	12.9	6.6	3.6	1.0
Dec	11.0	9.4	7	6	12.0	1982	28	32.2	1996	22	1983	16	18	1991	8.8	4.3	.8	.2	@	28.3	23.0	15.7	6.4
Ann	53.6	44.5	N/A	N/A	15.0	Nov 1991	30	32.2	Dec 1996	44+	Apr 1975	3	30	Feb 1972	36.6	18.4	5.1	1.8	.2	131.2	112.3	93.9	60.2

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: GORDON, WI

COOP ID: 473186

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,040 Feet

Lat: 46° 15N

Lon: 91° 48W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/06	6/28	6/23	6/19	6/14	6/10	6/06	6/01	5/24
32	6/17	6/12	6/08	6/04	6/01	5/29	5/25	5/21	5/15
28	6/07	6/01	5/28	5/25	5/21	5/18	5/15	5/11	5/05
24	5/21	5/15	5/11	5/07	5/04	5/01	4/27	4/23	4/17
20	5/10	5/05	5/01	4/28	4/25	4/21	4/18	4/14	4/09
16	4/28	4/23	4/20	4/17	4/15	4/12	4/09	4/06	4/01
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/11	8/18	8/22	8/27	8/30	9/03	9/07	9/12	9/18
32	8/24	8/30	9/03	9/06	9/09	9/12	9/15	9/19	9/25
28	9/10	9/14	9/17	9/20	9/22	9/25	9/28	10/01	10/05
24	9/22	9/27	9/30	10/02	10/05	10/07	10/10	10/13	10/17
20	10/01	10/07	10/11	10/14	10/17	10/20	10/24	10/28	11/02
16	10/11	10/17	10/21	10/24	10/28	10/31	11/03	11/08	11/13
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	111	99	91	83	76	69	62	53	41
32	123	115	109	104	99	95	90	84	76
28	146	138	132	128	123	119	114	108	101
24	175	167	162	157	153	148	144	138	131
20	200	192	185	180	175	170	165	158	150
16	218	210	205	200	195	191	186	181	173

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: GORDON, WI

COOP ID: 473186

Climate Division: WI 1 NWS Call Sign: Elevation: 1,040 Feet Lat: 46°15N Lon: 91°48W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1802	1430	1199	732	368	122	47	90	295	655	1094	1590	9424
60	1647	1290	1044	584	250	50	11	30	170	502	944	1435	7957
57	1554	1206	951	498	192	25	4	13	110	414	854	1342	7163
55	1492	1150	889	441	157	15	0	6	78	358	794	1280	6660
50	1337	1010	734	311	87	3	0	0	27	233	645	1125	5512
32	793	538	259	32	2	0	0	0	0	15	202	598	2439

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	14	32	83	291	683	919	1103	1020	701	384	98	31	5359
55	0	0	0	10	126	244	390	313	89	14	0	0	1186
57	0	0	0	6	98	194	332	258	61	8	0	0	957
60	0	0	0	3	64	129	246	182	30	3	0	0	657
65	0	0	0	0	27	51	127	88	6	0	0	0	299
70	0	0	0	0	9	12	49	30	0	0	0	0	100

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	13	133	445	681	854	772	465	173	22	0	0	0	13	146	591	1272	2126	2898	3363	3536	3558	3558
45	0	0	3	70	312	531	699	617	322	94	7	0	0	0	3	73	385	916	1615	2232	2554	2648	2655	2655
50	0	0	0	33	197	389	544	464	199	43	0	0	0	0	0	33	230	619	1163	1627	1826	1869	1869	1869
55	0	0	0	15	108	253	390	315	107	16	0	0	0	0	0	15	123	376	766	1081	1188	1204	1204	1204
60	0	0	0	3	52	140	243	181	48	1	0	0	0	0	0	3	55	195	438	619	667	668	668	668
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	13	114	308	436	553	493	294	123	15	0	0	0	13	127	435	871	1424	1917	2211	2334	2349	2349

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: GRANTSBURG, WI

COOP ID: 473244

Climate Division: WI 1

NWS Call Sign:

Elevation: 990 Feet

Lat: 45°46N

Lon: 92°41W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max ≥ 100	Max ≥ 90	Max ≥ 50	Max ≤ 32	Min ≤ 32	Min ≤ 0
Jan	19.5	-3.2	8.2	51	1981	25	21.4	1990	-44	1965	14	-3.9	1982	1765	0	.0	.0	@	26.2	31.0	17.6
Feb	26.9	3.6	15.3	57	1958	23	30.8	1998	-42+	1996	3	3.0	1989	1392	0	.0	.0	.5	17.7	27.8	11.7
Mar	38.8	16.9	27.9	78	2000	8	38.5	2000	-39	1962	1	20.2	1975	1152	0	.0	.0	4.9	8.1	28.4	3.9
Apr	55.2	30.5	42.9	95	1980	22	50.5	1987	-2	1975	1	36.9	1975	664	1	.0	@	19.6	.8	17.1	@
May	68.9	43.0	56.0	95	1959	2	64.4	1977	15	1967	3	49.7	1997	314	34	.0	.2	29.7	.0	3.0	.0
Jun	76.1	51.9	64.0	98	1963	30	68.9	1995	29+	1969	13	58.6	1982	99	70	.0	1.2	30.0	.0	@	.0
Jul	80.3	56.9	68.6	100+	1988	16	72.8	1999	36+	1975	14	62.7	1992	31	143	.1	2.1	31.0	.0	.0	.0
Aug	77.9	54.8	66.4	98+	1964	1	70.3	1983	32	1970	31	61.6	1985	67	108	.0	1.1	31.0	.0	.0	.0
Sep	68.0	45.0	56.5	95	1961	2	62.8	1998	21+	1967	29	51.4	1974	271	16	.0	.1	29.4	.0	2.0	.0
Oct	56.2	33.7	45.0	87	1953	2	50.4	2000	7	1952	20	39.9	1988	622	0	.0	.0	22.5	.2	13.6	.0
Nov	38.3	20.0	29.2	72+	2000	1	40.2	1975	-24	1964	30	21.5	1985	1071	0	.0	.0	5.5	9.5	26.5	1.7
Dec	24.2	3.6	13.9	60	1982	3	25.4	1997	-40	1968	25	-1.0	1983	1584	0	.0	.0	.2	22.8	30.9	11.9
Ann	52.5	29.7	41.2	100+	Jul 1988	16	72.8	Jul 1999	-44	Jan 1965	14	-3.9	Jan 1982	9032	372	.1	4.7	204.3	85.3	180.3	46.8

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1950-2001

(3) Derived from 1971-2000 serially complete daily data

040-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: GRANTSBURG, WI

COOP ID: 473244

Climate Division: WI 1

NWS Call Sign:

Elevation: 990 Feet Lat: 45°46N

Lon: 92°41W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.14	1.08	1.14	1996	18	3.20	1975	.04	1981	9.0	3.8	.5	.1	.22	.32	.49	.65	.80	.97	1.16	1.39	1.70	2.19	2.66
Feb	.84	.67	1.01	1976	15	2.60	1981	.05	1997	6.1	2.7	.3	@	.11	.18	.30	.42	.54	.68	.84	1.03	1.29	1.72	2.14
Mar	1.75	1.54	1.41	1977	12	3.94	1977	.37	1974	7.6	4.5	1.0	.2	.47	.63	.89	1.11	1.33	1.55	1.81	2.11	2.50	3.11	3.69
Apr	2.19	2.19	2.45	2001	23	5.30	1986	.11	1987	9.4	5.7	1.4	.1	.43	.63	.95	1.24	1.54	1.86	2.22	2.66	3.24	4.17	5.05
May	3.48	3.29	3.49	1953	20	6.76	1991	.64	1976	11.3	7.0	2.3	.8	1.21	1.54	2.01	2.42	2.80	3.20	3.63	4.14	4.78	5.78	6.70
Jun	4.46	3.94	5.28	1984	12	10.92	1984	.86	1988	12.7	7.9	2.8	1.0	1.41	1.84	2.46	3.00	3.52	4.06	4.65	5.34	6.23	7.61	8.90
Jul	4.28	3.90	3.45	1993	2	9.21	1978	1.38	1989	11.1	7.2	3.0	1.1	1.56	1.96	2.54	3.03	3.49	3.96	4.48	5.08	5.84	7.02	8.10
Aug	4.51	3.88	5.58	1973	31	14.11	1995	1.61	1996	11.2	7.1	2.9	1.2	1.53	1.96	2.58	3.11	3.62	4.14	4.71	5.37	6.22	7.54	8.76
Sep	3.45	3.05	2.91	1968	22	7.57	1986	.46	2000	11.3	6.7	2.2	.8	1.07	1.39	1.88	2.30	2.71	3.13	3.59	4.14	4.84	5.93	6.95
Oct	2.47	2.27	2.43	1954	10	6.59	1971	.48	1978	10.2	5.2	1.5	.5	.59	.82	1.18	1.50	1.82	2.16	2.54	2.99	3.58	4.52	5.40
Nov	2.10	1.81	2.04	1996	17	4.89	2000	.17	1981	9.5	4.8	1.3	.4	.34	.52	.83	1.11	1.41	1.74	2.11	2.56	3.16	4.14	5.08
Dec	1.10	.91	1.67	1968	13	3.48	1982	.24	1979	8.8	3.2	.3	.1	.24	.35	.51	.65	.80	.95	1.12	1.33	1.60	2.03	2.44
Ann	31.77	32.69	5.58	Aug 1973	31	14.11	Aug 1995	.04	Jan 1981	118.2	65.8	19.5	6.3	22.47	24.27	26.57	28.32	29.87	31.38	32.93	34.65	36.74	39.76	42.38

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1950-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: GRANTSBURG, WI

COOP ID: 473244

Climate Division: WI 1

NWS Call Sign:

Elevation: 990 Feet

Lat: 45°46N

Lon: 92°41W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	14.1	11.8	12	11	13.0	1982	23	28.0	1971	28	1971	31	23	1982	8.9	4.7	1.5	.6	@	-9.9	-9.9	-9.9	-9.9
Feb	6.9	4.8	14	15	8.0	1990	16	17.0	1972	34	1971	8	26	1979	5.0	2.6	.9	.2	.0	-9.9	-9.9	-9.9	-9.9
Mar	8.2	8.1	8	6	11.0	1999	9	18.5	1975	35	1979	9	26	1979	4.3	2.6	1.1	.5	.1	-9.9	-9.9	-9.9	-9.9
Apr	2.5	1.0	1	0	7.0	1983	15	12.2	1983	21	1975	2	4	1996	1.0	.8	.3	.2	.0	.9	.3	.2	.0
May	#	.0	0	0	#	1976	2	#	1976	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	0	0	#	1991	26	#	1991	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.3	.0	#	0	3.0	1982	20	3.6	1987	1	1987	20	#	1987	.2	.1	@	.0	.0	@	.0	.0	.0
Nov	11.9	7.8	2	1	14.0	1983	24	41.3	1991	28	1991	6	15	1991	4.9	3.1	1.1	.4	.2	10.0	6.4	3.9	1.9
Dec	9.3	8.0	6	5	17.0	1982	28	22.8	1983	22	1985	1	20	1985	7.2	3.8	1.0	.4	.1	-9.9	-9.9	-9.9	-9.9
Ann	53.2	41.5	N/A	N/A	17.0	Dec 1982	28	41.3	Nov 1991	35	Mar 1979	9	26+	Mar 1979	31.5	17.7	5.9	2.3	.4	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: GRANTSBURG, WI

COOP ID: 473244

Climate Division: WI 1

NWS Call Sign:

Elevation: 990 Feet

Lat: 45° 46N

Lon: 92° 41W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/15	6/09	6/05	6/01	5/28	5/25	5/21	5/17	5/11
32	5/21	5/17	5/14	5/11	5/09	5/06	5/04	4/30	4/26
28	5/11	5/06	5/03	4/30	4/27	4/24	4/21	4/18	4/13
24	4/29	4/24	4/21	4/18	4/15	4/12	4/09	4/05	4/01
20	4/17	4/13	4/11	4/09	4/07	4/05	4/03	4/01	3/29
16	4/13	4/08	4/05	4/02	3/31	3/28	3/25	3/22	3/18
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/06	9/10	9/13	9/15	9/18	9/20	9/22	9/25	9/29
32	9/16	9/20	9/22	9/25	9/27	9/29	10/01	10/04	10/07
28	9/24	9/28	10/01	10/04	10/06	10/09	10/11	10/14	10/18
24	10/04	10/10	10/14	10/18	10/21	10/24	10/28	11/01	11/07
20	10/19	10/24	10/27	10/30	11/02	11/04	11/07	11/11	11/15
16	10/28	11/01	11/04	11/07	11/09	11/12	11/14	11/17	11/21
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	135	127	121	116	111	107	102	96	88
32	156	151	147	143	140	137	134	130	124
28	179	173	169	165	161	158	154	150	144
24	213	204	198	193	188	183	178	172	164
20	225	219	215	211	208	204	201	196	190
16	241	234	230	226	223	219	216	211	205

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography
of the United States
No. 20
1971-2000

Station: GRANTSBURG, WI

COOP ID: 473244

Climate Division: WI 1 NWS Call Sign: Elevation: 990 Feet Lat: 45°46N Lon: 92°41W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1765	1392	1152	664	314	99	31	67	271	622	1071	1584	9032
60	1610	1252	997	518	205	37	6	20	157	469	921	1429	7621
57	1517	1168	904	434	152	17	0	8	103	380	831	1336	6850
55	1455	1112	842	381	121	10	0	4	75	324	771	1274	6369
50	1300	972	691	259	61	2	0	0	27	200	626	1119	5257
32	758	507	240	23	0	0	0	0	0	9	202	596	2335

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	16	39	110	350	743	961	1135	1064	735	410	121	35	5719
55	0	0	0	17	150	280	422	355	120	12	0	0	1356
57	0	0	0	11	119	228	360	297	88	6	0	0	1109
60	0	0	0	5	80	158	273	216	52	2	0	0	786
65	0	0	0	1	34	70	143	108	16	0	0	0	372
70	0	0	0	0	12	19	57	39	3	0	0	0	130

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	18	181	521	742	909	839	516	220	28	0	0	0	18	199	720	1462	2371	3210	3726	3946	3974	3974
45	0	0	6	101	374	592	754	684	373	121	9	0	0	0	6	107	481	1073	1827	2511	2884	3005	3014	3014
50	0	0	1	50	244	445	599	529	239	56	2	0	0	0	1	51	295	740	1339	1868	2107	2163	2165	2165
55	0	0	0	22	139	300	445	374	136	23	0	0	0	0	0	22	161	461	906	1280	1416	1439	1439	1439
60	0	0	0	6	71	174	291	229	64	2	0	0	0	0	0	6	77	251	542	771	835	837	837	837
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	14	134	325	465	595	536	307	133	15	0	0	0	14	148	473	938	1533	2069	2376	2509	2524	2524

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: GREEN BAY STRBL INTL AP, WI

COOP ID: 473269

Climate Division: WI 6

NWS Call Sign: GRB

Elevation: 687 Feet

Lat: 44°29N

Lon: 88°08W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	24.1	7.1	15.6	50	1961	13	26.4	1990	-31	1951	30	3.4	1977	1537	0	.0	.0	.0	23.0	30.5	10.7
Feb	28.9	12.1	20.5	61	2000	26	31.3	1998	-28	1996	3	9.5	1979	1262	0	.0	.0	.4	17.3	27.0	6.2
Mar	40.0	22.6	31.3	78	2000	7	39.9	1973	-29	1962	1	24.8	1975	1060	0	.0	.0	5.2	7.5	26.1	1.1
Apr	54.6	33.9	44.2	89	1980	22	49.7	1987	7	1954	3	39.5	1975	638	3	.0	.0	19.0	.4	13.8	.0
May	68.0	44.7	56.4	91	1959	2	63.9	1977	21	1966	9	49.1	1997	301	24	.0	.1	30.0	.0	2.0	.0
Jun	76.8	54.0	65.4	98+	1988	21	70.8	1995	32	1958	6	59.5	1982	85	95	.0	1.9	30.0	.0	.0	.0
Jul	81.2	58.6	69.9	103	1995	13	73.4	1988	40	1965	6	64.7	1992	19	177	.1	2.9	31.0	.0	.0	.0
Aug	78.5	56.5	67.5	100	1948	24	73.9	1995	38+	1967	22	63.7	1997	38	126	.0	1.4	31.0	.0	.0	.0
Sep	70.2	47.5	58.8	95+	1955	9	63.7	1994	24	1949	29	53.9	1974	208	36	.0	.2	29.9	.0	.7	.0
Oct	57.9	36.9	47.4	88	1963	6	54.0	1971	15	1966	30	42.1	1988	540	2	.0	.0	24.7	.0	8.7	.0
Nov	42.4	25.6	34.0	74	1999	9	40.0	1999	-9+	1976	29	26.3	1976	925	0	.0	.0	6.9	5.3	22.6	.3
Dec	29.0	13.3	21.2	64	2001	5	29.7	1994	-27	1983	19	9.2	1976	1350	0	.0	.0	.6	17.8	29.5	5.4
Ann	54.3	34.4	44.4	103	Jul 1995	13	73.9	Aug 1995	-31	Jan 1951	30	3.4	Jan 1977	7963	463	.1	6.5	208.7	71.3	160.9	23.7

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

041-A

**Climatography
of the United States
No. 20
1971-2000**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: GREEN BAY STRBL INTL AP, WI

COOP ID: 473269

Climate Division: WI 6

NWS Call Sign: GRB

Elevation: 687 Feet Lat: 44°29N

Lon: 88°08W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.21	1.34	.98	1967	24	2.37	1999	.12	1981	10.7	4.0	.2	.0	.31	.42	.60	.75	.91	1.07	1.24	1.46	1.73	2.17	2.57
Feb	1.01	.90	1.78	1966	8	2.76	1981	.14	1982	8.5	2.8	.4	.1	.21	.30	.45	.59	.72	.87	1.03	1.22	1.48	1.90	2.29
Mar	2.06	1.94	1.61	1949	31	4.68	1977	.15	1999	10.8	5.0	1.5	.2	.40	.58	.89	1.17	1.45	1.75	2.09	2.51	3.06	3.94	4.78
Apr	2.56	2.40	1.86	1994	25	5.91	1994	.49	1989	11.1	6.3	1.6	.3	1.00	1.24	1.57	1.85	2.12	2.39	2.68	3.02	3.45	4.11	4.71
May	2.75	2.58	2.22	1973	27	8.21	1973	.06	1988	10.1	5.9	1.7	.5	.52	.77	1.17	1.54	1.92	2.33	2.79	3.35	4.09	5.29	6.42
Jun	3.43	2.70	4.90	1990	22	10.29	1990	.31	1976	10.1	6.1	2.4	.9	.70	1.01	1.52	1.98	2.44	2.94	3.50	4.17	5.06	6.49	7.84
Jul	3.44	3.07	4.12	2000	8	7.00	1994	.83	1981	10.4	5.9	2.3	.9	1.12	1.44	1.92	2.33	2.73	3.13	3.58	4.10	4.78	5.82	6.79
Aug	3.77	3.38	3.83	1975	28	9.04	1975	1.05	1989	11.3	7.1	2.6	.8	1.05	1.41	1.95	2.42	2.89	3.37	3.91	4.54	5.37	6.66	7.87
Sep	3.11	3.05	2.99	1964	3	7.51	1986	.28	1976	10.0	6.0	2.0	.8	.67	.96	1.41	1.83	2.24	2.68	3.18	3.78	4.56	5.81	7.00
Oct	2.17	1.93	3.44	1954	2	4.92	1984	.36	1975	9.7	4.9	1.1	.3	.51	.72	1.03	1.32	1.60	1.90	2.23	2.63	3.16	3.99	4.77
Nov	2.27	1.88	2.23	1985	1	5.32	1992	.16	1976	10.3	5.5	1.2	.4	.46	.67	1.00	1.31	1.61	1.94	2.32	2.76	3.36	4.31	5.21
Dec	1.41	1.29	1.16	1971	15	3.15	1971	.30	1998	10.6	4.0	.5	.1	.36	.49	.70	.88	1.06	1.24	1.45	1.70	2.03	2.54	3.02
Ann	29.19	28.96	4.90	Jun 1990	22	10.29	Jun 1990	.06	May 1988	123.6	63.5	17.5	5.3	21.35	22.88	24.84	26.32	27.62	28.89	30.19	31.62	33.36	35.86	38.02

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: GREEN BAY STRBL INTL AP, WI

COOP ID: 473269

Climate Division: WI 6

NWS Call Sign: GRB

Elevation: 687 Feet

Lat: 44°29N

Lon: 88°08W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	13.7	10.7	6	6	11.3	1996	26	31.5	1996	25	1979	25	15	1971	10.0	4.5	1.4	.5	@	27.1	21.6	17.4	6.0
Feb	8.4	7.4	5	5	6.7	1974	3	19.5	1975	24+	1979	22	19	1979	7.4	2.8	.8	.3	.0	22.3	17.0	13.2	5.8
Mar	9.2	7.7	2	2	13.0	1997	13	24.2	1989	17+	1997	16	9	1971	6.9	2.8	1.0	.3	.1	14.1	8.3	6.3	2.7
Apr	2.9	2.1	#	1	9.8	1977	4	11.8	1977	11	1977	5	1+	1977	2.4	1.0	.3	@	.0	2.2	.6	.2	@
May	.2	.0	#	0	4.3	1990	10	4.3	1990	2	1990	11	#	2000	.1	.0	@	.0	.0	.1	.0	.0	.0
Jun	.0	.0	#	0	.0	0	0	.0	0	0	0	0	#	1990	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	0	0	#	1995	22	#	1995	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.2	#	#	0	1.2	1992	20	1.6	1989	4	1984	31	#	1992	.2	.1	.0	.0	.0	.1	@	.0	.0
Nov	5.4	3.1	#	0	9.7	1995	27	17.1	1995	11	1977	28	2	1985	4.6	1.5	.5	.2	.0	4.6	1.8	.7	.2
Dec	11.9	11.8	3	2	14.4	1990	3	27.0	1977	19	1985	27	15	1985	9.1	3.2	1.2	.5	.1	20.0	12.1	7.9	2.4
Ann	51.9	42.8	N/A	N/A	14.4	Dec 1990	3	31.5	Jan 1996	25	Jan 1979	25	19	Feb 1979	40.7	15.9	5.2	1.8	.2	90.5	61.4	45.7	17.1

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: GREEN BAY STRBL INTL AP, WI

COOP ID: 473269

Climate Division: WI 6

NWS Call Sign: GRB

Elevation: 687 Feet

Lat: 44°29N

Lon: 88°08W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/06	5/31	5/27	5/23	5/20	5/17	5/13	5/09	5/03
32	5/17	5/13	5/10	5/08	5/06	5/03	5/01	4/28	4/24
28	5/07	5/03	4/30	4/27	4/25	4/22	4/20	4/17	4/13
24	4/20	4/17	4/14	4/12	4/10	4/08	4/06	4/03	3/31
20	4/13	4/09	4/06	4/03	4/01	3/30	3/27	3/24	3/20
16	4/06	4/02	3/29	3/27	3/24	3/22	3/19	3/16	3/11
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/14	9/17	9/19	9/22	9/23	9/25	9/27	9/30	10/03
32	9/21	9/25	9/28	10/01	10/04	10/06	10/09	10/12	10/16
28	9/25	10/01	10/06	10/10	10/14	10/17	10/21	10/26	11/02
24	10/15	10/20	10/24	10/27	10/29	11/01	11/04	11/07	11/12
20	10/28	11/01	11/03	11/06	11/08	11/10	11/13	11/15	11/19
16	11/05	11/10	11/14	11/17	11/20	11/23	11/26	11/30	12/05
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	142	136	132	129	126	122	119	115	110
32	166	161	157	153	150	147	144	140	134
28	193	186	180	176	171	167	162	157	149
24	220	213	209	205	201	198	194	189	183
20	235	230	226	223	220	217	214	210	205
16	262	255	249	245	240	236	231	226	218

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: GREEN BAY STRBL INTL AP, WI

COOP ID: 473269

Climate Division: WI 6 NWS Call Sign: GRB Elevation: 687 Feet Lat: 44°29N Lon: 88°08W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1537	1262	1060	638	301	85	19	38	208	540	925	1350	7963
60	1376	1106	889	476	192	29	2	12	98	397	780	1204	6561
57	1283	1022	796	390	139	13	0	4	55	313	690	1111	5816
55	1221	966	734	335	109	7	0	1	36	261	630	1049	5349
50	1066	826	583	212	51	1	0	0	8	152	483	894	4276
32	541	362	157	8	0	0	0	0	0	3	95	399	1565

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	6	19	108	365	746	998	1178	1110	817	489	146	21	6003
55	0	0	2	21	124	315	465	397	172	30	1	0	1527
57	0	0	1	15	94	262	404	336	133	19	1	0	1265
60	0	0	0	9	61	189	312	248	86	9	0	0	914
65	0	0	0	3	24	95	177	126	36	2	0	0	463
70	0	0	0	1	6	35	73	45	10	0	0	0	170

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	2	36	179	507	769	938	871	586	265	46	3	0	2	38	217	724	1493	2431	3302	3888	4153	4199	4202
45	0	0	14	96	360	619	783	716	439	154	19	1	0	0	14	110	470	1089	1872	2588	3027	3181	3200	3201
50	0	0	7	51	227	469	628	561	298	78	4	0	0	0	7	58	285	754	1382	1943	2241	2319	2323	2323
55	0	0	1	21	129	322	473	407	177	34	0	0	0	0	1	22	151	473	946	1353	1530	1564	1564	1564
60	0	0	0	10	63	196	320	258	95	8	0	0	0	0	0	10	73	269	589	847	942	950	950	950
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	23	113	305	479	619	565	349	147	25	1	0	1	24	137	442	921	1540	2105	2454	2601	2626	2627

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: GURNEY, WI

COOP ID: 473332

Climate Division: WI 2

NWS Call Sign:

Elevation: 970 Feet Lat: 46°28N Lon: 90°31W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	19.6	-.5	9.6	58	1981	25	20.4	1987	-36	1972	15	-.8	1977	1720	0	.0	.0	.1	25.2	30.8	14.3
Feb	26.0	3.6	14.8	63	1976	24	30.8	1998	-37	1996	2	4.8	1972	1405	0	.0	.0	1.1	17.8	27.4	9.9
Mar	36.4	14.8	25.6	73	2000	8	34.0	2000	-33	1962	1	16.9	1972	1221	0	.0	.0	5.1	9.2	27.8	4.1
Apr	49.7	28.2	39.0	92	1980	22	44.7	1991	-4+	1972	8	32.5	1996	782	0	.0	@	16.2	1.2	20.2	.1
May	63.9	39.7	51.8	92+	1975	23	60.6	1977	17	1966	9	45.1	1997	422	14	.0	.2	28.3	@	6.9	.0
Jun	72.1	48.5	60.3	100	1961	28	64.8+	1997	27	1972	10	54.2	1982	172	31	.0	.7	29.8	.0	.8	.0
Jul	76.7	54.3	65.5	99	1999	31	70.6	1983	33	1988	1	60.2	1992	76	91	.0	2.0	31.0	.0	.0	.0
Aug	74.7	52.5	63.6	99	1976	19	68.9	1983	32+	1976	15	58.7	1986	118	74	.0	1.1	31.0	.0	@	.0
Sep	65.9	43.7	54.8	99	1976	7	61.2	1998	25+	1964	15	49.1	1974	314	7	.0	.2	29.3	.0	1.8	.0
Oct	54.8	33.9	44.4	87+	1992	3	50.2	2000	12+	1996	31	38.5	1988	640	0	.0	.0	21.7	.3	11.7	.0
Nov	38.1	21.6	29.9	75	1975	5	37.9	1999	-10	1958	30	21.1	1995	1054	0	.0	.0	5.2	8.5	25.3	.9
Dec	24.5	7.2	15.9	60	1982	2	25.1	1997	-30	1983	19	3.8	1989	1525	0	.0	.0	.4	21.7	30.5	8.3
Ann	50.2	29.0	39.6	100	Jun 1961	28	70.6	Jul 1983	-37	Feb 1996	2	-.8	Jan 1977	9449	217	.0	4.2	199.2	83.9	183.2	37.6

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1952-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: GURNEY, WI

COOP ID: 473332

Climate Division: WI 2

NWS Call Sign:

Elevation: 970 Feet

Lat: 46°28N

Lon: 90°31W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.81	1.79	1.39	1988	20	3.46	1997	.62	1995	12.6	5.9	.6	.1	.73	.90	1.13	1.33	1.51	1.69	1.90	2.13	2.42	2.87	3.28
Feb	1.15	1.16	2.00	2000	15	3.13	1981	.08	1987	9.0	3.5	.4	.1	.18	.28	.45	.61	.77	.95	1.15	1.40	1.73	2.27	2.79
Mar	2.00	1.73	1.50	1979	24	4.75	1976	.47	1999	10.4	5.4	1.0	.2	.55	.74	1.03	1.28	1.53	1.79	2.07	2.41	2.85	3.54	4.18
Apr	2.08	2.07	6.67	1960	23	3.76	1994	.53	1988	9.8	6.1	1.1	.1	.72	.92	1.20	1.44	1.68	1.91	2.18	2.48	2.87	3.47	4.02
May	2.96	2.96	2.15+	1964	24	5.82	1973	.70	1990	10.3	6.6	1.8	.4	1.10	1.37	1.77	2.10	2.42	2.74	3.09	3.50	4.02	4.81	5.54
Jun	4.03	3.99	3.45	1959	26	7.48	1979	1.19	1994	12.4	8.5	2.6	.8	1.40	1.78	2.33	2.80	3.25	3.70	4.20	4.79	5.53	6.69	7.75
Jul	4.19	3.64	5.84	1992	2	10.66	1982	.71	1989	11.1	7.7	2.6	1.1	.98	1.38	1.99	2.54	3.08	3.66	4.31	5.08	6.10	7.70	9.22
Aug	4.18	3.47	5.21	1977	31	9.74	1977	1.42	1991	11.1	7.6	2.4	.8	1.44	1.84	2.41	2.90	3.36	3.84	4.36	4.97	5.74	6.95	8.06
Sep	4.04	3.38	3.17	1985	3	9.08	1985	.84	1989	12.3	8.1	2.3	.9	1.29	1.67	2.24	2.72	3.19	3.68	4.21	4.83	5.63	6.88	8.03
Oct	3.43	3.11	2.26	1985	5	8.07	1995	.91	1976	12.1	7.9	2.1	.7	1.02	1.35	1.84	2.26	2.67	3.09	3.56	4.12	4.83	5.95	6.98
Nov	2.79	2.35	3.64	1991	1	8.55	1991	.42	1981	12.5	6.9	1.3	.4	.63	.89	1.30	1.66	2.03	2.42	2.86	3.39	4.08	5.18	6.22
Dec	1.74	1.70	1.84	1970	4	4.02	1996	.27	1994	13.6	5.3	.5	.1	.53	.70	.94	1.16	1.36	1.57	1.81	2.08	2.43	2.99	3.50
Ann	34.40	32.97	6.67	Apr 1960	23	10.66	Jul 1982	.08	Feb 1987	137.2	79.5	18.7	5.7	25.07	26.89	29.21	30.97	32.53	34.03	35.58	37.28	39.35	42.34	44.91

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1952-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: GURNEY, WI

COOP ID: 473332

Climate Division: WI 2

NWS Call Sign:

Elevation: 970 Feet

Lat: 46°28N

Lon: 90°31W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	31.2	29.9	16	17	22.4	1988	20	59.2	1976	39	1988	25	27	1976	12.6	8.3	3.8	2.1	.5	29.9	29.9	29.4	22.8
Feb	21.0	20.9	20	20	16.3	1971	6	47.9	1971	45	1971	6	36	1971	8.6	5.2	1.9	.9	.2	27.3	27.3	27.3	24.2
Mar	19.8	18.8	16	14	18.0	1976	5	64.5	1976	46	1976	13	31	1971	7.7	5.1	2.3	1.3	.4	29.6	28.7	26.9	18.8
Apr	8.1	7.2	4	3	12.0	1985	1	23.8	1983	27	1971	4	12	1972	3.5	2.3	1.1	.3	.1	12.1	8.9	6.8	4.4
May	1.1	.0	#	0	6.5	1997	12	7.0	1997	10	1984	1	1	1984	.4	.2	.1	.1	.0	.4	.1	.1	@
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.2	.0	0	0	6.0	1995	22	6.0	1995	0	0	0	0	0	@	@	@	@	.0	.0	.0	.0	.0
Oct	1.9	1.0	#	#	7.0	1995	21	8.0	1982	7	1982	21	1	1982	.8	.6	.2	.1	.0	.9	.4	.1	.0
Nov	18.0	19.2	2	1	14.0	1994	28	50.0	1991	25	1991	30	7	1991	6.9	5.1	2.4	1.2	.3	13.4	9.1	4.4	1.0
Dec	26.3	19.8	9	9	20.0	1996	19	48.5	1985	32	2000	24	23	2000	12.0	8.0	3.4	1.6	.4	28.9	26.4	22.6	10.5
Ann	127.6	116.8	N/A	N/A	22.4	Jan 1988	20	64.5	Mar 1976	46	Mar 1976	13	36	Feb 1971	52.5	34.8	15.2	7.6	1.9	142.5	130.8	117.6	81.7

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography
of the United States
No. 20
1971-2000

Station: GURNEY, WI

COOP ID: 473332

Climate Division: WI 2

NWS Call Sign:

Elevation: 970 Feet

Lat: 46°28N

Lon: 90°31W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/29	6/24	6/20	6/17	6/14	6/11	6/08	6/04	5/30
32	6/14	6/10	6/06	6/04	6/01	5/29	5/26	5/23	5/18
28	5/31	5/25	5/21	5/17	5/14	5/10	5/06	5/02	4/26
24	5/14	5/08	5/04	5/01	4/28	4/25	4/22	4/18	4/13
20	4/30	4/24	4/20	4/16	4/13	4/10	4/06	4/02	3/27
16	4/15	4/11	4/08	4/05	4/02	3/31	3/28	3/25	3/20
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/23	8/28	9/01	9/05	9/08	9/11	9/14	9/18	9/24
32	9/08	9/13	9/17	9/20	9/23	9/25	9/29	10/02	10/07
28	9/23	9/27	9/30	10/03	10/06	10/08	10/11	10/14	10/18
24	10/07	10/13	10/18	10/21	10/25	10/28	11/01	11/05	11/11
20	10/16	10/21	10/25	10/28	11/01	11/04	11/07	11/11	11/16
16	10/27	11/01	11/04	11/07	11/10	11/12	11/15	11/19	11/23
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	111	102	96	90	85	80	75	68	59
32	130	124	120	116	113	110	106	102	96
28	167	159	154	149	144	140	135	129	122
24	198	192	187	183	179	175	171	166	159
20	222	215	210	205	201	197	192	187	179
16	240	233	229	225	221	217	213	208	201

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: GURNEY, WI

COOP ID: 473332

Climate Division: WI 2 NWS Call Sign: Elevation: 970 Feet Lat: 46°28N Lon: 90°31W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1720	1405	1221	782	422	172	76	118	314	640	1054	1525	9449
60	1565	1265	1066	633	292	83	20	47	189	487	904	1370	7921
57	1472	1181	973	545	226	47	8	23	128	399	814	1277	7093
55	1410	1125	911	487	187	30	4	13	94	343	754	1215	6573
50	1255	985	756	351	106	7	0	2	36	218	605	1060	5381
32	712	517	266	42	3	0	0	0	0	10	167	537	2254

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	15	36	67	250	617	849	1038	979	683	393	103	35	5065
55	0	0	0	6	88	189	329	279	87	13	0	0	991
57	0	0	0	3	65	146	271	227	61	7	0	0	780
60	0	0	0	1	39	92	191	158	32	3	0	0	516
65	0	0	0	0	14	31	91	74	7	0	0	0	217
70	0	0	0	0	4	7	28	23	1	0	0	0	63

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	22	129	418	655	830	785	502	224	39	0	0	0	22	151	569	1224	2054	2839	3341	3565	3604	3604
45	0	0	9	72	287	506	675	630	356	129	12	0	0	0	9	81	368	874	1549	2179	2535	2664	2676	2676
50	0	0	0	35	179	361	520	475	229	65	4	0	0	0	0	35	214	575	1095	1570	1799	1864	1868	1868
55	0	0	0	16	101	233	369	322	127	28	0	0	0	0	0	16	117	350	719	1041	1168	1196	1196	1196
60	0	0	0	7	50	129	227	187	63	6	0	0	0	0	0	7	57	186	413	600	663	669	669	669
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	18	96	269	409	528	488	292	131	15	0	0	0	18	114	383	792	1320	1808	2100	2231	2246	2246

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: HANCOCK EXP FARM, WI

COOP ID: 473405

Climate Division: WI 5

NWS Call Sign:

Elevation: 1,076 Feet Lat: 44°07N

Lon: 89°32W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	21.5	3.0	12.3	59	1944	25	25.2	1990	-43	1951	30	-.3	1977	1635	0	.0	.0	.2	23.2	30.8	11.8
Feb	27.7	8.7	18.2	63	2000	27	30.6	1998	-40	1928	25	7.8	1978	1311	0	.0	.0	1.0	15.8	27.3	7.7
Mar	39.0	21.0	30.0	84	1986	29	38.4+	2000	-39	1962	1	22.9	1984	1086	0	.0	.0	6.8	6.2	25.8	2.5
Apr	54.8	33.3	44.1	90+	1980	23	50.6	1977	-3	1928	9	37.2	1975	629	1	.0	.1	22.2	.4	13.9	@
May	67.7	45.2	56.5	105	1934	31	64.8	1977	18	1966	10	49.9	1997	301	36	.0	.3	30.6	.0	2.9	.0
Jun	76.6	54.8	65.7	106	1933	27	70.6	1988	29+	1964	1	59.9	1982	71	92	@	2.3	30.0	.0	.0	.0
Jul	80.0	59.2	69.6	112+	1936	14	73.5	1983	37	1929	19	64.5	1992	20	164	.1	4.1	31.0	.0	.0	.0
Aug	77.2	57.3	67.3	105	1948	24	72.8	1995	33+	1986	28	63.0	1986	50	120	.1	1.8	31.0	.0	.0	.0
Sep	69.2	48.7	59.0	100	1922	6	66.5	1998	16	1974	22	53.2	1993	208	27	.0	.4	29.9	.0	1.2	.0
Oct	57.7	37.8	47.8	91	1976	1	55.5	1971	0	1925	30	41.9	1987	535	1	.0	.1	25.8	@	9.1	.0
Nov	40.2	24.1	32.2	78	1933	1	40.8	1999	-19	1950	25	24.3	1995	986	0	.0	.0	7.9	5.6	23.0	.6
Dec	26.2	10.3	18.3	62	2001	5	26.1	1982	-32	1983	19	6.8	1983	1450	0	.0	.0	.8	19.3	29.9	7.2
Ann	53.2	33.6	43.4	112+	Jul 1936	14	73.5	Jul 1983	-43	Jan 1951	30	-.3	Jan 1977	8282	441	.2	9.1	217.2	70.5	163.9	29.8

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1903-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: HANCOCK EXP FARM, WI

COOP ID: 473405

Climate Division: WI 5

NWS Call Sign:

Elevation: 1,076 Feet Lat: 44°07N

Lon: 89°32W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.95	.88	1.20	1909	29	2.61	1996	.08	1981	9.0	3.2	.2	.1	.23	.32	.46	.58	.70	.83	.98	1.15	1.38	1.74	2.08
Feb	.90	.91	2.00	1922	22	2.61	1981	.13	1982	6.8	2.8	.4	@	.18	.26	.39	.51	.63	.76	.91	1.09	1.33	1.72	2.08
Mar	2.00	1.86	2.80	1917	6	4.54	1973	.22	1978	8.3	5.1	1.2	.3	.40	.58	.87	1.14	1.41	1.71	2.04	2.44	2.96	3.81	4.62
Apr	2.97	2.80	2.45	1917	19	5.94	1999	.54	1989	10.1	6.1	2.2	.5	.88	1.16	1.58	1.95	2.30	2.67	3.08	3.56	4.18	5.15	6.06
May	3.41	3.06	3.46	1970	31	7.26	1989	.68	1981	10.8	6.7	2.2	.7	.99	1.32	1.80	2.23	2.64	3.07	3.54	4.10	4.82	5.95	7.00
Jun	3.81	3.69	5.04	1940	22	8.08	1990	1.16	1988	10.9	7.4	2.8	.9	1.21	1.58	2.11	2.57	3.01	3.47	3.97	4.56	5.32	6.50	7.59
Jul	4.17	3.59	5.75	1997	17	10.66	1999	.83	1975	10.4	6.8	2.8	1.1	1.33	1.73	2.31	2.81	3.30	3.80	4.34	4.99	5.81	7.10	8.29
Aug	4.29	3.89	3.95	1940	18	9.16	1980	.79	1976	10.5	7.3	3.2	1.1	1.30	1.71	2.32	2.84	3.35	3.88	4.46	5.14	6.02	7.39	8.67
Sep	3.62	2.87	4.14	1978	12	10.78	1986	.42	1976	10.4	6.6	2.4	.9	.65	.97	1.50	2.00	2.50	3.04	3.66	4.41	5.41	7.01	8.54
Oct	2.28	2.13	3.34	1959	24	4.91	1984	.41	1975	8.9	5.8	1.4	.1	.77	.99	1.30	1.57	1.83	2.09	2.38	2.72	3.15	3.82	4.44
Nov	2.17	1.95	2.25	1934	28	5.41	1982	.08	1976	9.1	5.0	1.2	.4	.37	.56	.87	1.17	1.48	1.81	2.18	2.64	3.26	4.25	5.19
Dec	1.05	.88	1.60	1966	19	2.20	1992	.30	1986	8.3	3.2	.3	.0	.25	.35	.51	.64	.78	.92	1.08	1.27	1.52	1.92	2.29
Ann	31.62	32.09	5.75	Jul 1997	17	10.78	Sep 1986	.08+	Jan 1981	113.5	66.0	20.3	6.1	23.87	25.41	27.35	28.82	30.11	31.35	32.63	34.03	35.72	38.16	40.25

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1903-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: HANCOCK EXP FARM, WI

COOP ID: 473405

Climate Division: WI 5

NWS Call Sign:

Elevation: 1,076 Feet

Lat: 44°07N

Lon: 89°32W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	13.5	13.3	8	8	12.0	1988	20	34.0	1996	28	1996	31	19	1971	7.2	4.8	1.5	.5	.1	26.6	20.3	16.9	7.1
Feb	9.6	9.5	9	8	7.0	1983	2	22.2	1975	28	1996	3	20	1979	5.4	3.7	1.1	.3	.0	25.1	20.4	16.0	9.1
Mar	9.8	8.3	4	3	18.0	1997	14	32.5	1997	28	1997	14	11	1975	4.1	3.3	1.2	.6	.1	12.5	8.8	5.6	2.3
Apr	3.4	1.0	#	#	8.0	1973	9	22.0	1993	8	1973	9	1	1996	1.3	1.0	.5	.2	.0	2.1	1.1	.2	.0
May	.1	.0	0	0	2.0	1990	10	2.0	1990	0	0	0	0	0	@	@	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	0	0	#	1985	24	#	1985	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.6	.0	#	0	4.0	1990	10	6.0	1990	4	1990	10	#+	1995	.3	.2	.1	.0	.0	.1	.1	.0	.0
Nov	5.1	4.1	1	#	10.0	1992	26	15.5	1988	9	1992	26	2	1991	2.9	2.1	.7	.2	@	4.7	2.2	1.1	.0
Dec	9.6	9.0	5	3	11.0	1990	3	23.6	1977	27	2000	28	17	1985	6.3	4.4	1.3	.4	@	21.2	13.6	9.1	1.9
Ann	51.7	45.2	N/A	N/A	18.0	Mar 1997	14	34.0	Jan 1996	28+	Mar 1997	14	20	Feb 1979	27.5	19.5	6.4	2.2	.2	92.3	66.5	48.9	20.4

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: HANCOCK EXP FARM, WI

COOP ID: 473405

Climate Division: WI 5

NWS Call Sign:

Elevation: 1,076 Feet

Lat: 44° 07N

Lon: 89° 32W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/11	6/05	6/01	5/29	5/26	5/22	5/19	5/15	5/09
32	5/27	5/22	5/18	5/16	5/13	5/10	5/07	5/04	4/29
28	5/15	5/10	5/07	5/04	5/01	4/28	4/25	4/22	4/17
24	5/01	4/26	4/23	4/20	4/17	4/15	4/12	4/09	4/04
20	4/21	4/17	4/15	4/12	4/10	4/08	4/05	4/03	3/30
16	4/17	4/12	4/09	4/06	4/03	4/01	3/29	3/25	3/21
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/08	9/12	9/15	9/17	9/20	9/22	9/24	9/27	10/01
32	9/16	9/20	9/23	9/25	9/28	9/30	10/02	10/05	10/09
28	9/23	9/28	10/01	10/04	10/06	10/09	10/12	10/15	10/20
24	10/01	10/07	10/12	10/16	10/19	10/23	10/27	10/31	11/07
20	10/13	10/19	10/23	10/26	10/30	11/02	11/05	11/10	11/15
16	10/19	10/26	10/31	11/04	11/07	11/11	11/15	11/20	11/26
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	134	128	123	120	116	113	109	105	98
32	154	148	144	140	137	134	130	126	120
28	177	170	166	161	158	154	150	145	138
24	207	199	193	189	184	180	175	169	161
20	222	215	210	206	202	198	194	189	182
16	241	233	227	222	217	212	207	201	193

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: HANCOCK EXP FARM, WI

COOP ID: 473405

Climate Division: WI 5 NWS Call Sign: Elevation: 1,076 Feet Lat: 44°07N Lon: 89°32W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1635	1311	1086	629	301	71	20	50	208	535	986	1450	8282
60	1480	1171	931	484	194	23	4	12	109	387	836	1295	6926
57	1387	1087	838	400	141	10	0	4	66	305	746	1202	6186
55	1325	1031	776	348	112	5	0	1	45	255	686	1140	5724
50	1170	891	624	229	55	1	0	0	13	149	541	985	4658
32	634	425	186	14	0	0	0	0	0	4	139	470	1872

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	21	38	123	376	758	1011	1167	1093	809	494	144	43	6077
55	0	0	0	19	157	326	454	382	164	32	0	0	1534
57	0	0	0	12	125	270	392	322	125	19	0	0	1265
60	0	0	0	6	84	194	302	237	78	8	0	0	909
65	0	0	0	1	36	92	164	120	27	1	0	0	441
70	0	0	0	0	13	29	69	44	6	0	0	0	161

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	3	48	228	574	813	962	892	619	309	57	2	0	3	51	279	853	1666	2628	3520	4139	4448	4505	4507
45	0	0	22	136	424	663	807	737	471	190	25	0	0	0	22	158	582	1245	2052	2789	3260	3450	3475	3475
50	0	0	11	72	286	513	652	582	333	104	5	0	0	0	11	83	369	882	1534	2116	2449	2553	2558	2558
55	0	0	3	36	173	366	497	427	207	48	1	0	0	0	3	39	212	578	1075	1502	1709	1757	1758	1758
60	0	0	0	14	89	228	343	278	114	15	0	0	0	0	0	14	103	331	674	952	1066	1081	1081	1081
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	33	157	365	525	633	585	386	184	28	0	0	1	34	191	556	1081	1714	2299	2685	2869	2897	2897

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: HARTFORD 2 W, WI

COOP ID: 473453

Climate Division: WI 9

NWS Call Sign:

Elevation: 980 Feet Lat: 43°20N Lon: 88°25W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	24.5	6.5	15.5	55	1996	19	28.0	1990	-35+	1982	10	1.2	1977	1536	0	.0	.0	.3	21.0	30.5	10.4
Feb	29.5	11.3	20.4	63	2000	27	40.2	1998	-34	1959	2	8.5	1979	1249	0	.0	.0	1.6	15.3	26.7	6.8
Mar	40.9	23.1	32.0	81	1986	29	40.2	2000	-23	1962	1	24.7	1984	1022	0	.0	.0	7.6	5.7	25.7	1.3
Apr	54.3	33.7	44.0	88	1980	22	50.7	1985	1	1982	7	38.2	1975	630	1	.0	.0	20.2	.3	13.2	.0
May	67.5	44.5	56.0	94	1999	30	62.2	1977	20	1978	1	49.9	1983	310	31	.0	.2	30.3	.0	2.9	.0
Jun	77.1	53.4	65.3	100	1988	21	70.8	1999	31	1988	9	59.3	1982	84	91	@	2.1	30.0	.0	@	.0
Jul	81.1	58.3	69.7	105	1999	31	73.9	1999	39	1965	1	64.5	1992	18	164	.1	4.1	31.0	.0	.0	.0
Aug	78.6	56.4	67.5	101	1988	1	73.6	1995	36	1986	27	62.7	1992	53	131	.1	1.8	31.0	.0	.0	.0
Sep	70.4	47.8	59.1	97	1953	1	64.4	1998	23	1976	24	54.8	1974	197	21	.0	.6	29.8	.0	1.1	.0
Oct	58.9	37.3	48.1	89	1982	1	56.8	1971	15	1976	18	41.7	1988	525	1	.0	.0	26.0	@	9.1	.0
Nov	43.0	26.0	34.5	75	1999	10	43.5	1999	-11	1976	29	26.0	1995	915	0	.0	.0	9.5	4.2	21.4	.3
Dec	29.9	13.4	21.7	65	2001	6	29.8	1982	-29	1983	19	8.2	1985	1345	0	.0	.0	1.2	15.7	29.2	5.5
Ann	54.6	34.3	44.5	105	Jul 1999	31	73.9	Jul 1999	-35+	Jan 1982	10	1.2	Jan 1977	7884	440	.2	8.8	218.5	62.2	159.8	24.3

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: HARTFORD 2 W, WI

COOP ID: 473453

Climate Division: WI 9

NWS Call Sign:

Elevation: 980 Feet

Lat: 43°20N

Lon: 88°25W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.31	1.25	1.00	1996	27	3.26	1999	.16	1981	8.3	4.2	.5	@	.29	.42	.61	.78	.95	1.13	1.34	1.58	1.91	2.42	2.90
Feb	1.07	.67	1.80	1997	21	3.10	1997	.02	1995	6.3	3.1	.5	.1	.10	.18	.32	.47	.63	.81	1.03	1.30	1.67	2.30	2.91
Mar	1.93	1.79	2.10	1998	31	5.32	1976	.23	1978	8.2	5.0	1.3	.2	.33	.50	.78	1.04	1.31	1.61	1.94	2.35	2.90	3.78	4.63
Apr	3.02	2.88	2.25	1999	23	6.81	1993	.85	1994	9.7	6.6	2.1	.5	1.14	1.42	1.82	2.16	2.48	2.80	3.16	3.57	4.09	4.89	5.62
May	3.07	3.00	2.73	2000	18	7.05	2000	.59	1992	9.6	6.4	2.1	.5	1.02	1.32	1.74	2.10	2.45	2.81	3.20	3.66	4.25	5.17	6.01
Jun	3.82	3.99	3.80	1996	17	10.46	1996	.87	1992	9.6	6.6	2.3	1.1	1.15	1.51	2.05	2.52	2.98	3.45	3.97	4.58	5.37	6.61	7.76
Jul	4.13	3.88	3.95	1999	21	9.42	1999	1.16	1971	9.3	6.7	3.1	1.2	1.47	1.86	2.42	2.89	3.35	3.81	4.32	4.90	5.65	6.81	7.88
Aug	4.15	3.64	3.96	1983	17	8.52	1995	1.60	1976	9.7	7.0	2.8	1.0	1.66	2.04	2.59	3.03	3.45	3.88	4.35	4.88	5.56	6.60	7.54
Sep	3.61	3.71	5.20	1986	10	11.23	1986	.38	1979	8.8	6.3	2.5	.9	.58	.89	1.41	1.91	2.42	2.98	3.62	4.41	5.45	7.15	8.77
Oct	2.62	2.59	3.20	1954	3	5.56	1991	.16	1975	8.8	5.6	1.9	.5	.59	.83	1.21	1.56	1.91	2.27	2.69	3.18	3.83	4.87	5.85
Nov	2.22	2.12	1.96	1985	1	6.72	1985	.24	1976	8.8	5.3	1.4	.4	.44	.64	.96	1.26	1.56	1.89	2.25	2.70	3.28	4.22	5.11
Dec	1.57	1.64	1.54	1971	15	3.60	1971	.21	1976	8.0	4.5	.7	.2	.30	.44	.67	.89	1.10	1.33	1.59	1.91	2.32	2.99	3.63
Ann	32.52	33.21	5.20	Sep 1986	10	11.23	Sep 1986	.02	Feb 1995	105.1	67.3	21.2	6.6	25.59	26.98	28.73	30.04	31.20	32.30	33.43	34.66	36.15	38.28	40.09

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: HARTFORD 2 W, WI

COOP ID: 473453

Climate Division: WI 9

NWS Call Sign:

Elevation: 980 Feet

Lat: 43°20N

Lon: 88°25W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	11.4	11.0	6	5	11.0	1979	13	33.0	1979	34	1979	25	25	1979	4.9	4.2	1.5	.5	.1	22.2	18.3	15.1	7.9
Feb	6.6	7.0	5	4	10.0	1994	26	22.0	1994	28	1979	21	24	1979	3.5	3.1	.8	.2	@	20.0	15.1	9.1	5.1
Mar	5.2	4.0	2	1	12.0	1971	19	18.0+	1972	17	1979	2	8	1979	2.6	2.1	.8	.3	@	9.2	6.2	3.8	1.3
Apr	1.9	.0	#	#	8.0	1973	9	14.5	1973	12	1973	10	2	1973	.8	.7	.3	.1	.0	1.3	.6	.3	.1
May	.4	.0	#	0	6.0	1994	1	6.0	1994	6	1994	1	#	1994	.1	.1	.1	@	.0	@	@	@	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	#	0	3.0	1992	20	3.0	1992	#+	1987	23	#+	1987	.1	@	@	.0	.0	.0	.0	.0	.0
Nov	2.8	1.0	#	#	7.0	1985	9	15.0	1985	10	1985	10	2	1985	1.4	1.2	.4	.1	.0	1.9	.9	.2	@
Dec	8.4	7.3	3	2	8.0	1990	3	20.7	2000	25	2000	31	11	2000	3.8	3.1	1.0	.3	.0	15.7	9.6	6.0	1.1
Ann	36.8	30.3	N/A	N/A	12.0	Mar 1971	19	33.0	Jan 1979	34	Jan 1979	25	25	Jan 1979	17.2	14.5	4.9	1.5	.1	70.3	50.7	34.5	15.5

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: HARTFORD 2 W, WI

COOP ID: 473453

Climate Division: WI 9

NWS Call Sign:

Elevation: 980 Feet

Lat: 43°20N

Lon: 88°25W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/14	6/08	6/03	5/31	5/27	5/24	5/20	5/16	5/10
32	5/29	5/23	5/19	5/16	5/12	5/09	5/06	5/02	4/26
28	5/12	5/07	5/03	4/30	4/27	4/24	4/21	4/17	4/12
24	4/27	4/22	4/19	4/16	4/13	4/10	4/07	4/04	3/30
20	4/17	4/13	4/09	4/07	4/04	4/01	3/29	3/26	3/21
16	4/08	4/03	3/30	3/27	3/24	3/21	3/18	3/14	3/09
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/07	9/11	9/14	9/16	9/18	9/20	9/22	9/25	9/29
32	9/18	9/22	9/25	9/28	9/30	10/03	10/05	10/09	10/13
28	9/23	9/28	10/01	10/04	10/07	10/09	10/12	10/15	10/20
24	10/03	10/10	10/15	10/19	10/23	10/27	10/31	11/04	11/11
20	10/21	10/26	10/29	11/01	11/04	11/07	11/10	11/13	11/18
16	11/03	11/08	11/12	11/16	11/19	11/22	11/25	11/29	12/04
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	133	126	121	117	113	109	105	100	93
32	160	153	149	144	140	136	132	127	120
28	180	174	170	166	162	158	155	150	144
24	216	208	202	197	192	187	182	176	168
20	233	227	222	217	213	209	205	200	193
16	263	255	249	244	239	234	229	223	215

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography
of the United States
No. 20
1971-2000

Station: HARTFORD 2 W, WI

COOP ID: 473453

Climate Division: WI 9 NWS Call Sign: Elevation: 980 Feet Lat: 43°20N Lon: 88°25W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1536	1249	1022	630	310	84	18	53	197	525	915	1345	7884
60	1381	1109	867	484	199	30	2	14	96	378	765	1190	6515
57	1288	1025	774	399	145	14	0	5	54	297	675	1097	5773
55	1226	969	712	346	114	8	0	2	35	247	615	1035	5309
50	1071	834	566	226	55	2	0	0	8	143	472	880	4257
32	554	394	151	12	0	0	0	0	0	4	97	394	1606

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	41	70	152	372	744	998	1168	1100	814	503	173	72	6207
55	0	0	0	16	145	316	455	389	158	33	1	0	1513
57	0	0	0	10	114	262	393	330	118	20	0	0	1247
60	0	0	0	4	75	188	302	246	69	9	0	0	893
65	0	0	0	1	31	91	164	131	21	1	0	0	440
70	0	0	0	0	10	30	67	53	3	0	0	0	163

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	6	52	204	526	784	946	877	611	296	64	5	0	6	58	262	788	1572	2518	3395	4006	4302	4366	4371
45	0	0	24	115	377	634	791	722	462	181	28	1	0	0	24	139	516	1150	1941	2663	3125	3306	3334	3335
50	0	0	10	60	245	484	636	567	320	94	9	0	0	0	10	70	315	799	1435	2002	2322	2416	2425	2425
55	0	0	3	29	143	337	481	412	197	44	2	0	0	0	3	32	175	512	993	1405	1602	1646	1648	1648
60	0	0	0	11	71	210	327	264	107	13	0	0	0	0	0	11	82	292	619	883	990	1003	1003	1003
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	34	135	324	500	624	571	378	183	39	2	0	1	35	170	494	994	1618	2189	2567	2750	2789	2791

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: HILLSBORO, WI

COOP ID: 473654

Climate Division: WI 7

NWS Call Sign:

Elevation: 940 Feet Lat: 43°39N Lon: 90°20W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max ≥ 100	Max ≥ 90	Max ≥ 50	Max ≤ 32	Min ≤ 32	Min ≤ 0
Jan	24.1	2.8	13.5	59	1981	26	26.8	1990	-44	1963	15	-1.3	1977	1598	0	.0	.0	.4	22.0	30.7	12.6
Feb	30.6	8.8	19.7	61+	2000	27	32.6	1998	-40	1996	3	7.0	1979	1268	0	.0	.0	1.0	15.1	27.3	6.6
Mar	42.2	21.8	32.0	83	1986	29	40.2	1973	-38	1962	1	25.2	1984	1024	0	.0	.0	8.0	5.1	26.6	2.0
Apr	56.5	33.2	44.9	91	1980	23	52.0	1977	-14	1969	10	39.1	1975	605	1	.0	@	22.0	.2	13.9	.0
May	68.9	44.3	56.6	92+	1980	23	64.1	1977	19	1966	10	50.4	1997	290	28	.0	.2	30.4	.0	2.8	.0
Jun	78.1	54.0	66.1	100	1988	21	70.1	1971	32+	1972	10	59.7	1982	64	95	@	2.0	30.0	.0	@	.0
Jul	82.2	59.0	70.6	100+	1995	14	74.5	1977	41+	1997	8	64.9	1992	20	193	.1	5.0	31.0	.0	.0	.0
Aug	79.7	56.6	68.2	101	1988	17	74.3	1995	33	1964	14	63.1	1992	47	146	.1	2.3	31.0	.0	.0	.0
Sep	71.2	47.3	59.3	96	1978	9	63.8	1978	23	1967	29	53.7	1993	194	21	.0	.7	29.9	.0	1.5	.0
Oct	59.7	35.8	47.8	92	1963	6	56.5	1971	11	1988	29	41.2	1988	538	2	.0	.0	26.1	.0	11.5	.0
Nov	43.0	24.0	33.5	75	1964	3	41.1	1999	-10	1996	27	26.6+	1996	946	0	.0	.0	9.2	4.4	24.5	.6
Dec	29.3	10.1	19.7	64+	2001	6	28.2	1998	-33	1983	18	7.8	1983	1403	0	.0	.0	1.0	17.2	30.3	6.9
Ann	55.5	33.1	44.3	101	Aug 1988	17	74.5	Jul 1977	-44	Jan 1963	15	-1.3	Jan 1977	7997	486	.2	10.2	220.0	64.0	169.1	28.7

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

**Climatography
of the United States
No. 20
1971-2000**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: HILLSBORO, WI

COOP ID: 473654

Climate Division: WI 7

NWS Call Sign:

Elevation: 940 Feet Lat: 43°39N

Lon: 90°20W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.02	.80	.98	1967	25	2.42	1996	.10	1981	7.8	3.2	.3	.0	.22	.31	.46	.60	.73	.88	1.04	1.24	1.50	1.92	2.31
Feb	1.01	.88	1.23	1971	19	3.53	1971	.10	1995	6.1	2.9	.4	@	.13	.21	.35	.49	.64	.80	.99	1.23	1.55	2.07	2.58
Mar	2.00	1.68	2.09	1998	31	4.30	1998	.27	1994	8.1	4.8	1.1	.3	.43	.62	.91	1.18	1.44	1.73	2.05	2.43	2.93	3.74	4.50
Apr	3.41	3.00	3.20	1981	4	7.21	1981	.50	1997	10.5	6.6	2.1	.8	1.04	1.36	1.84	2.26	2.67	3.09	3.55	4.09	4.79	5.89	6.91
May	3.58	3.56	3.33	2000	18	7.06	1973	.78	1981	10.0	6.7	2.2	.7	1.19	1.53	2.03	2.45	2.86	3.28	3.74	4.27	4.96	6.03	7.01
Jun	4.06	3.23	3.91	1996	17	10.30	1990	.72	1976	10.5	7.3	2.8	1.1	1.14	1.52	2.10	2.61	3.11	3.63	4.20	4.88	5.76	7.15	8.44
Jul	4.13	4.08	3.16	1980	20	7.93	1999	1.35	1990	8.9	6.1	2.8	1.1	1.44	1.83	2.40	2.88	3.33	3.80	4.32	4.91	5.68	6.86	7.95
Aug	4.28	3.85	4.15	1959	27	13.81	1980	.59	1976	10.2	6.9	2.5	1.2	1.16	1.57	2.19	2.73	3.26	3.81	4.43	5.16	6.11	7.60	8.99
Sep	3.77	3.20	3.37	1994	10	11.31	1992	.71	1982	9.5	6.0	2.4	1.1	.54	.86	1.40	1.92	2.47	3.06	3.75	4.60	5.74	7.60	9.39
Oct	2.39	2.43	2.96	1965	21	8.21	1984	.74	1988	8.6	5.1	1.6	.4	.68	.91	1.25	1.55	1.84	2.14	2.47	2.87	3.38	4.19	4.93
Nov	2.20	2.11	2.41	1982	11	5.50	1982	.00	1976	8.9	4.6	1.4	.3	.40	.70	1.07	1.37	1.66	1.96	2.30	2.69	3.21	4.01	4.76
Dec	1.12	1.02	1.00	1959	28	2.69	1982	.13	1993	7.8	3.1	.4	.0	.20	.30	.47	.62	.77	.94	1.13	1.36	1.66	2.16	2.62
Ann	32.97	34.04	4.15	Aug 1959	27	13.81	Aug 1980	.00	Nov 1976	106.9	63.3	20.0	7.0	24.06	25.80	28.02	29.70	31.18	32.62	34.10	35.73	37.70	40.55	43.00

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: HILLSBORO, WI

COOP ID: 473654

Climate Division: WI 7

NWS Call Sign:

Elevation: 940 Feet

Lat: 43°39N

Lon: 90°20W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	10.4	9.4	6	5	12.0	1971	4	23.0	1996	22	1971	17	19	1971	6.6	4.4	1.0	.3	.1	20.8	16.1	11.2	4.9
Feb	7.8	6.7	5	3	9.0	1994	23	21.0	1994	27	1971	13	22	1971	4.4	3.0	.9	.1	.0	17.8	13.6	9.3	1.2
Mar	7.8	6.7	3	1	9.0	1997	14	24.0	1975	20	1975	29	14	1975	3.8	2.8	1.0	.4	.0	9.9	7.8	6.1	2.2
Apr	1.7	.0	1	#	4.0	1993	16	12.5	1993	21	1975	2	11	1975	.8	.7	.2	.0	.0	1.8	1.3	.9	.5
May	#	.0	#	0	#	1997	1	#+	1997	#+	1997	1	#+	1997	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.2	.0	#	0	3.0	1992	20	3.0	1992	3	1992	20	#+	2000	.1	.1	@	.0	.0	@	@	.0	.0
Nov	3.4	2.6	1	#	6.0	1992	26	9.3	1996	8	1996	23	2	1996	2.4	1.6	.4	.2	.0	3.7	2.1	.8	.0
Dec	7.0	5.4	4	2	11.0	1985	1	22.6	1990	16	1985	1	12	1985	5.1	3.2	1.0	.2	@	16.1	8.2	2.6	1.1
Ann	38.3	30.8	N/A	N/A	12.0	Jan 1971	4	24.0	Mar 1975	27	Feb 1971	13	22	Feb 1971	23.2	15.8	4.5	1.2	.1	70.1	49.1	30.9	9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: HILLSBORO, WI

COOP ID: 473654

Climate Division: WI 7

NWS Call Sign:

Elevation: 940 Feet

Lat: 43°39N

Lon: 90°20W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/11	6/05	5/31	5/27	5/24	5/20	5/16	5/12	5/05
32	5/30	5/24	5/20	5/16	5/13	5/10	5/06	5/02	4/26
28	5/13	5/08	5/04	5/01	4/28	4/25	4/22	4/18	4/13
24	4/24	4/20	4/17	4/14	4/12	4/10	4/07	4/04	3/31
20	4/18	4/14	4/11	4/08	4/06	4/04	4/01	3/29	3/25
16	4/09	4/04	3/31	3/28	3/24	3/21	3/18	3/14	3/09
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/09	9/12	9/15	9/17	9/19	9/21	9/23	9/25	9/29
32	9/20	9/24	9/26	9/28	9/30	10/02	10/04	10/06	10/09
28	9/23	9/28	10/02	10/05	10/07	10/10	10/13	10/17	10/21
24	10/04	10/10	10/14	10/18	10/22	10/25	10/29	11/02	11/08
20	10/15	10/21	10/25	10/28	11/01	11/04	11/08	11/12	11/18
16	10/27	11/02	11/06	11/10	11/13	11/17	11/21	11/25	12/01
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	136	129	125	121	117	114	110	105	98
32	157	151	147	143	139	135	132	127	121
28	180	174	169	165	162	158	154	150	143
24	215	207	201	196	192	187	182	177	169
20	228	221	216	212	208	204	200	195	188
16	260	251	244	238	233	228	222	216	206

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography
of the United States
No. 20
1971-2000

Station: HILLSBORO, WI

COOP ID: 473654

Climate Division: WI 7 NWS Call Sign: Elevation: 940 Feet Lat: 43°39N Lon: 90°20W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1598	1268	1024	605	290	64	20	47	194	538	946	1403	7997
60	1443	1128	869	458	179	19	4	12	93	393	796	1248	6642
57	1350	1044	776	375	127	7	0	4	53	312	706	1155	5909
55	1288	988	714	322	98	4	0	1	34	263	647	1093	5452
50	1133	848	568	204	44	0	0	0	8	160	502	938	4405
32	611	397	153	9	0	0	0	0	0	7	112	434	1723

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	36	53	152	395	762	1021	1197	1122	817	493	156	54	6258
55	0	0	0	18	146	334	484	410	161	37	1	0	1591
57	0	0	0	11	113	278	422	350	120	24	0	0	1318
60	0	0	0	4	73	200	333	266	70	11	0	0	957
65	0	0	0	1	28	95	193	146	21	2	0	0	486
70	0	0	0	0	8	30	93	65	3	0	0	0	199

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	2	47	214	539	798	964	892	602	280	48	3	0	2	49	263	802	1600	2564	3456	4058	4338	4386	4389
45	0	0	21	121	388	648	809	737	453	169	19	0	0	0	21	142	530	1178	1987	2724	3177	3346	3365	3365
50	0	0	9	60	252	498	654	582	313	86	4	0	0	0	9	69	321	819	1473	2055	2368	2454	2458	2458
55	0	0	3	26	143	349	499	428	192	39	0	0	0	0	3	29	172	521	1020	1448	1640	1679	1679	1679
60	0	0	0	11	69	215	345	277	101	9	0	0	0	0	0	11	80	295	640	917	1018	1027	1027	1027
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	36	152	342	512	640	582	379	185	34	1	0	0	36	188	530	1042	1682	2264	2643	2828	2862	2863

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: HOLCOMBE, WI

COOP ID: 473698

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,025 Feet Lat: 45°14N

Lon: 91°08W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	21.6	-2.2	9.7	52	1981	25	21.4	1990	-44	1977	9	-2.4	1977	1716	0	.0	.0	.1	24.2	30.9	15.6
Feb	28.6	4.0	16.3	58+	2000	29	30.6	1998	-45+	1996	2	6.3	1979	1364	0	.0	.0	.7	16.4	27.8	9.4
Mar	39.8	17.3	28.6	81	1986	30	38.1	2000	-40	1962	1	21.1	1975	1130	0	.0	.0	5.6	6.8	26.9	3.2
Apr	55.1	30.6	42.9	90	1970	29	49.8	1987	1	1975	4	35.4	1975	666	1	.0	.0	20.4	.4	15.0	.0
May	68.5	42.6	55.6	94	1959	2	62.6	1977	20	1966	9	49.8	1997	319	26	.0	.1	30.5	.0	2.4	.0
Jun	76.2	51.8	64.0	95+	1971	27	69.3	1991	30	1985	2	58.7	1982	103	73	.0	.9	30.0	.0	.1	.0
Jul	80.6	56.8	68.7	99	1988	15	73.7	1988	38	1948	1	63.0	1992	28	143	.0	2.8	31.0	.0	.0	.0
Aug	77.9	54.7	66.3	100+	1988	1	71.3	1995	32	1967	31	61.9	1977	62	103	@	1.4	31.0	.0	.0	.0
Sep	69.2	45.6	57.4	95	1976	7	62.4	1978	21	1949	29	51.8	1993	243	15	.0	.3	29.8	.0	1.4	.0
Oct	57.4	34.8	46.1	89	1976	1	52.6	1971	11	1976	27	41.3	1988	587	0	.0	.0	24.5	.1	10.7	.0
Nov	39.6	21.8	30.7	72	2000	1	39.6	1999	-16	1976	30	23.0	1976	1030	0	.0	.0	6.4	6.3	24.7	.9
Dec	25.7	6.5	16.1	60+	1998	3	25.9	1997	-39	1983	19	2.3	1983	1516	0	.0	.0	.4	21.3	30.6	9.0
Ann	53.4	30.4	41.9	100+	Aug 1988	1	73.7	Jul 1988	-45+	Feb 1996	2	-2.4	Jan 1977	8764	361	@	5.5	210.4	75.5	170.5	38.1

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

046-A

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: HOLCOMBE, WI

COOP ID: 473698

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,025 Feet Lat: 45°14N

Lon: 91°08W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.05	.93	1.81	1967	25	3.95	1996	.03	1985	6.5	3.2	.4	.1	.11	.19	.34	.49	.64	.82	1.02	1.28	1.63	2.21	2.77
Feb	.78	.72	1.20	1998	27	2.60	1981	.00	1997	5.1	2.8	.3	.1	.06	.14	.26	.38	.50	.63	.78	.97	1.22	1.62	2.02
Mar	1.75	1.58	1.25	1976	30	4.58	1977	.15	1978	6.3	4.0	1.1	.2	.38	.54	.80	1.03	1.26	1.51	1.79	2.12	2.56	3.27	3.93
Apr	2.74	2.67	3.00	1975	28	6.10	1975	.29	1987	7.8	5.5	1.9	.7	.74	1.00	1.40	1.74	2.08	2.44	2.84	3.31	3.92	4.88	5.78
May	3.34	2.70	3.18	1955	29	8.26	1973	1.14	1976	8.2	6.4	2.6	.9	1.07	1.39	1.85	2.25	2.64	3.04	3.47	3.99	4.65	5.67	6.62
Jun	4.21	3.61	3.65	1979	17	8.10	1980	1.49	1995	9.6	7.0	3.0	.9	1.63	2.02	2.58	3.04	3.48	3.92	4.41	4.97	5.68	6.77	7.77
Jul	3.63	3.37	5.85	1959	9	9.00	1987	1.20	1998	9.0	6.3	2.4	1.0	1.34	1.68	2.17	2.58	2.96	3.36	3.79	4.29	4.93	5.92	6.82
Aug	4.81	4.79	5.70	1960	28	9.14	1995	.78	1976	8.6	6.9	3.3	1.4	1.75	2.20	2.85	3.40	3.92	4.45	5.03	5.70	6.55	7.88	9.09
Sep	3.90	3.91	4.68	1958	6	9.56	1986	.77	1976	8.8	6.3	2.7	1.1	1.22	1.59	2.14	2.61	3.06	3.53	4.05	4.66	5.45	6.67	7.80
Oct	2.37	2.51	2.83	1966	15	5.54	1979	.59	1976	7.2	4.6	1.5	.6	.68	.91	1.25	1.54	1.83	2.13	2.46	2.85	3.35	4.15	4.88
Nov	2.13	1.87	2.90	1975	10	6.84	1991	.07	1976	6.6	4.4	1.6	.3	.35	.53	.84	1.13	1.44	1.76	2.14	2.60	3.21	4.20	5.14
Dec	1.05	1.07	1.32	1959	28	2.99	1982	.09	1989	6.1	3.2	.3	.1	.19	.28	.44	.58	.73	.89	1.07	1.28	1.57	2.04	2.48
Ann	31.76	31.93	5.85	Jul 1959	9	9.56	Sep 1986	.00	Feb 1997	89.8	60.6	21.1	7.4	22.30	24.12	26.46	28.23	29.81	31.34	32.92	34.67	36.80	39.88	42.55

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

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Station: HOLCOMBE, WI

COOP ID: 473698

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,025 Feet

Lat: 45° 14N

Lon: 91° 08W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	16.7	16.6	8	8	9.0	1972	25	25.1	1971	26	1979	29	18	1979	5.7	3.9	1.4	.6	.0	-9.9	-9.9	-9.9	-9.9
Feb	8.0	8.5	10	9	8.0	1971	5	15.8	1971	36	1979	16	30	1979	3.7	2.1	.4	.1	.0	-9.9	-9.9	-9.9	-9.9
Mar	7.4	7.0	5	#	7.0	1972	4	17.5	1976	34	1972	10	20	1972	2.3	1.7	.9	.5	.0	-9.9	-9.9	-9.9	-9.9
Apr	1.6	1.0	1	0	3.0	1974	4	5.0+	1974	15+	1975	1	6	1975	.8	.8	.1	.0	.0	1.5	1.2	.9	.7
May	.1	.0	#	0	1.0	1973	2	1.0	1973	1	1973	2	#	1973	.1	.1	.0	.0	.0	@	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	#	.0	#	0	#	1993	29	#	1993	#	1993	29	#	1993	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	2.4	1.0	1	0	5.0	1978	18	7.5	1977	11	1978	29	8	1978	1.0	.8	.3	.1	.0	1.4	.2	.0	.0
Dec	11.8	12.4	3	2	5.0	1971	19	21.0	1971	15	1978	31	11	1978	3.8	3.2	.8	.2	.0	-9.9	-9.9	-9.9	-9.9
Ann	48.0	46.5	N/A	N/A	9.0	Jan 1972	25	25.1	Jan 1971	36	Feb 1979	16	30	Feb 1979	17.4	12.6	3.9	1.5	.0	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

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Climatography of the United States

No. 20 1971-2000

Station: HOLCOMBE, WI

COOP ID: 473698

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,025 Feet

Lat: 45° 14N

Lon: 91° 08W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/10	6/05	6/01	5/28	5/25	5/21	5/18	5/14	5/08
32	6/01	5/26	5/21	5/17	5/14	5/10	5/06	5/02	4/26
28	5/09	5/04	5/01	4/28	4/25	4/22	4/19	4/16	4/11
24	4/27	4/22	4/19	4/16	4/14	4/11	4/08	4/05	3/31
20	4/16	4/13	4/10	4/08	4/06	4/04	4/02	3/30	3/26
16	4/11	4/06	4/03	3/31	3/29	3/26	3/23	3/20	3/15
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/07	9/11	9/14	9/17	9/19	9/21	9/24	9/27	10/01
32	9/16	9/20	9/23	9/26	9/28	10/01	10/03	10/06	10/10
28	9/24	9/29	10/03	10/06	10/09	10/12	10/15	10/19	10/24
24	10/08	10/13	10/17	10/20	10/23	10/26	10/29	11/01	11/06
20	10/17	10/22	10/26	10/29	11/01	11/04	11/07	11/11	11/16
16	10/26	11/01	11/05	11/08	11/11	11/15	11/18	11/22	11/28
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	138	130	125	121	117	112	108	103	95
32	161	153	147	141	137	132	127	121	113
28	186	179	174	170	166	162	158	154	147
24	213	206	200	196	191	187	182	177	169
20	225	220	215	212	208	205	201	197	191
16	251	243	237	232	227	222	217	211	203

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
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**Climatography
of the United States
No. 20
1971-2000**

Station: HOLCOMBE, WI

COOP ID: 473698

Climate Division: WI 1 NWS Call Sign: Elevation: 1,025 Feet Lat: 45°14N Lon: 91°08W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1716	1364	1130	666	319	103	28	62	243	587	1030	1516	8764
60	1561	1224	975	521	206	40	5	17	131	434	880	1361	7355
57	1468	1140	882	437	150	19	0	6	81	347	790	1268	6588
55	1406	1084	820	384	119	11	0	2	55	292	730	1206	6109
50	1251	944	667	263	58	2	0	0	16	173	582	1051	5007
32	707	476	213	24	0	0	0	0	0	5	162	537	2124

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	14	37	106	349	730	960	1137	1064	762	441	121	43	5764
55	0	0	0	18	136	281	424	353	127	15	0	0	1354
57	0	0	0	12	105	229	362	295	93	8	0	0	1104
60	0	0	0	6	67	160	274	213	53	3	0	0	776
65	0	0	0	1	26	73	143	103	15	0	0	0	361
70	0	0	0	0	8	21	56	35	2	0	0	0	122

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	31	196	544	765	937	865	574	263	33	2	0	0	31	227	771	1536	2473	3338	3912	4175	4208	4210
45	0	0	13	111	394	615	782	710	425	150	14	0	0	0	13	124	518	1133	1915	2625	3050	3200	3214	3214
50	0	0	3	55	255	465	627	555	286	72	2	0	0	0	3	58	313	778	1405	1960	2246	2318	2320	2320
55	0	0	0	20	147	323	472	400	171	27	0	0	0	0	0	20	167	490	962	1362	1533	1560	1560	1560
60	0	0	0	6	73	189	318	252	88	7	0	0	0	0	0	6	79	268	586	838	926	933	933	933
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	22	136	344	488	616	559	351	159	21	0	0	1	23	159	503	991	1607	2166	2517	2676	2697	2697

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: HORICON, WI

COOP ID: 473756

Climate Division: WI 8

NWS Call Sign:

Elevation: 880 Feet Lat: 43°26N Lon: 88°38W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max ≥ 100	Max ≥ 90	Max ≥ 50	Max ≤ 32	Min ≤ 32	Min ≤ 0
Jan	25.4	6.6	16.0	55	1996	19	26.2	1989	-36	1994	19	3.1	1977	1519	0	.0	.0	.3	21.5	30.8	10.5
Feb	30.0	11.2	20.6	63	2000	27	33.0	1998	-30	1996	3	9.8	1979	1243	0	.0	.0	1.0	15.5	27.2	6.6
Mar	41.6	23.0	32.3	80	1986	30	40.7	2000	-10	1978	5	25.4	1975	1014	0	.0	.0	7.6	5.6	25.6	1.1
Apr	55.5	35.1	45.3	89+	1980	23	51.8	1977	9	1982	7	39.0	1975	592	2	.0	.0	21.3	.4	11.9	.0
May	68.6	46.9	57.8	93	1978	28	65.9	1977	25+	1989	6	50.6	1997	271	46	.0	.3	30.4	.0	1.4	.0
Jun	77.8	56.6	67.2	99+	1988	21	71.4	1995	33+	1993	1	61.9	1982	49	115	.0	2.0	30.0	.0	.0	.0
Jul	81.8	61.4	71.6	101	1995	14	76.0	1983	42	1972	5	66.0	1996	13	218	@	3.9	31.0	.0	.0	.0
Aug	79.4	58.8	69.1	100+	1988	17	75.0	1995	38	1986	27	64.8	1992	35	162	.1	2.0	31.0	.0	.0	.0
Sep	71.6	49.6	60.6	95+	1978	9	65.2	1998	24	1993	30	54.9	1993	159	27	.0	.4	29.9	.0	.8	.0
Oct	59.9	38.5	49.2	87	1971	1	57.3	1971	14	1988	30	43.0	1988	492	2	.0	.0	26.2	.0	9.0	.0
Nov	43.9	26.8	35.4	74	1999	10	42.6	1999	-10	1976	29	26.6	1996	890	0	.0	.0	9.1	4.3	22.0	.3
Dec	30.6	13.9	22.3	66	2001	6	30.9	1982	-25	1983	24	10.9+	1989	1326	0	.0	.0	1.1	16.0	29.9	5.7
Ann	55.5	35.7	45.6	101	Jul 1995	14	76.0	Jul 1983	-36	Jan 1994	19	3.1	Jan 1977	7603	572	.1	8.6	218.9	63.3	158.6	24.2

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

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Issue Date: February 2004

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Elevation: 880 Feet Lat: 43°26N

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Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.15	1.16	1.14	1974	26	2.72	1974	.14	1981	7.9	3.8	.4	@	.22	.32	.49	.65	.80	.97	1.17	1.40	1.71	2.21	2.68
Feb	1.10	1.02	1.13	2001	9	2.74	1971	.02	1995	6.3	3.5	.6	.0	.12	.20	.36	.51	.67	.86	1.07	1.34	1.71	2.31	2.90
Mar	2.07	1.71	3.05	1998	31	5.25	1976	.15	1978	8.3	4.8	1.3	.3	.24	.40	.69	.98	1.29	1.63	2.03	2.53	3.20	4.31	5.39
Apr	3.33	3.29	2.79	1999	23	7.24	1999	1.36	1989	9.9	7.1	2.2	.6	1.40	1.71	2.13	2.48	2.81	3.14	3.49	3.90	4.42	5.21	5.93
May	3.13	3.09	3.50	1978	13	6.06	1973	.58	1992	10.0	6.9	2.0	.5	.94	1.24	1.69	2.07	2.44	2.82	3.25	3.75	4.39	5.40	6.33
Jun	3.91	4.38	3.15	1991	14	7.60	1996	.96	1987	9.1	7.0	2.8	1.1	1.29	1.66	2.21	2.67	3.12	3.58	4.08	4.67	5.43	6.60	7.68
Jul	4.33	4.39	5.94	1999	21	10.97	1999	1.30	1998	9.7	7.1	2.8	1.1	1.62	2.02	2.60	3.09	3.55	4.02	4.53	5.12	5.88	7.04	8.10
Aug	4.05	3.75	3.27	1995	10	10.16	1995	1.09	1984	9.5	7.3	2.9	1.2	1.42	1.80	2.36	2.82	3.27	3.73	4.23	4.82	5.57	6.72	7.79
Sep	3.76	2.89	5.79	1986	10	14.72	1986	.20	1979	8.6	6.5	2.4	.8	.43	.71	1.24	1.76	2.32	2.95	3.68	4.60	5.84	7.88	9.88
Oct	2.64	2.42	2.40	1984	19	5.86	1995	.78	1997	8.5	5.9	2.0	.3	.74	.99	1.37	1.70	2.02	2.36	2.73	3.17	3.75	4.65	5.48
Nov	2.11	2.01	1.70	1971	2	5.75	1982	.20	1976	8.8	5.2	1.5	.4	.42	.61	.92	1.20	1.49	1.80	2.15	2.57	3.13	4.02	4.87
Dec	1.47	1.50	1.60	1971	15	4.02	1971	.19	1993	8.3	4.4	.8	.1	.30	.43	.65	.85	1.05	1.26	1.50	1.79	2.18	2.79	3.38
Ann	33.05	33.49	5.94	Jul 1999	21	14.72	Sep 1986	.02	Feb 1995	104.9	69.5	21.7	6.4	25.38	26.91	28.85	30.30	31.58	32.81	34.07	35.45	37.12	39.52	41.57

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

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Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	11.7	10.0	7	5	16.0	1979	13	40.0	1979	58	1979	27	41	1979	5.6	3.8	1.1	.4	.1	22.7	15.8	13.3	4.2
Feb	6.4	5.7	6	4	6.8	1994	23	26.3	1994	52	1979	2	30	1979	4.1	2.6	.7	.3	.0	21.3	16.6	12.0	6.2
Mar	5.6	4.0	1	1	9.0	1972	29	14.0	1972	15	1994	2	4	1986	2.7	1.9	.7	.3	.0	8.5	4.8	2.7	.3
Apr	2.1	.1	#	#	7.2	1997	13	10.0	1997	8	1997	13	1	1997	.7	.6	.3	.1	.0	1.2	.6	.1	.0
May	.2	.0	#	0	3.0	1994	1	3.0	1994	3	1994	1	#+	1997	.1	.1	@	.0	.0	.1	@	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	#	0	1.0	1992	20	1.0+	1997	2	1990	14	#+	1997	.2	.1	.0	.0	.0	.1	.0	.0	.0
Nov	2.0	.8	#	#	7.2	1995	28	11.5	1971	8	1995	30	1+	2000	1.7	1.2	.2	@	.0	3.1	.9	.4	.0
Dec	9.7	7.7	3	2	12.0	1990	3	33.4	2000	22	2000	24	12	2000	4.9	3.4	1.1	.4	@	18.5	9.5	5.6	1.5
Ann	37.8	28.3	N/A	N/A	16.0	Jan 1979	13	40.0	Jan 1979	58	Jan 1979	27	41	Jan 1979	20.0	13.7	4.1	1.5	.1	75.5	48.2	34.1	12.2

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: **HORICON, WI**

COOP ID: 473756

Climate Division: **WI 8**

NWS Call Sign:

Elevation: **880 Feet**

Lat: **43°26N**

Lon: **88°38W**

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/02	5/27	5/23	5/20	5/17	5/14	5/10	5/06	5/01
32	5/16	5/11	5/07	5/04	5/02	4/29	4/26	4/22	4/17
28	5/05	4/30	4/27	4/23	4/20	4/18	4/14	4/11	4/05
24	4/20	4/16	4/14	4/11	4/09	4/07	4/05	4/02	3/30
20	4/15	4/10	4/07	4/04	4/01	3/29	3/26	3/22	3/17
16	4/08	4/02	3/29	3/26	3/23	3/20	3/16	3/12	3/07
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/12	9/15	9/18	9/20	9/22	9/24	9/26	9/29	10/03
32	9/22	9/25	9/28	9/30	10/02	10/04	10/06	10/09	10/13
28	9/25	10/02	10/06	10/10	10/14	10/17	10/21	10/26	11/01
24	10/07	10/13	10/18	10/22	10/26	10/30	11/03	11/08	11/15
20	10/23	10/29	11/02	11/05	11/08	11/11	11/14	11/18	11/23
16	10/31	11/06	11/11	11/15	11/18	11/22	11/26	11/30	12/06
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	147	140	136	132	128	124	120	115	108
32	170	164	160	156	153	149	146	141	135
28	203	193	187	181	175	170	164	157	148
24	222	214	209	204	199	195	190	184	176
20	242	234	229	224	220	216	211	206	199
16	267	257	251	245	240	234	229	222	213

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography
of the United States
No. 20
1971-2000

Station: HORICON, WI

COOP ID: 473756

Climate Division: WI 8 NWS Call Sign: Elevation: 880 Feet Lat: 43°26N Lon: 88°38W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1519	1243	1014	592	271	49	13	35	159	492	890	1326	7603
60	1364	1103	859	448	171	13	0	8	68	349	740	1171	6294
57	1271	1019	766	366	122	5	0	2	35	271	651	1078	5586
55	1209	963	704	315	95	3	0	0	21	224	593	1016	5143
50	1054	823	557	201	45	0	0	0	4	129	453	862	4128
32	532	372	145	9	0	0	0	0	0	4	96	372	1530

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	36	54	154	408	799	1056	1228	1150	858	537	196	69	6545
55	0	0	0	24	181	369	515	437	188	44	3	0	1761
57	0	0	0	15	146	311	453	377	143	29	1	0	1475
60	0	0	0	7	101	229	360	290	86	14	0	0	1087
65	0	0	0	2	46	115	218	162	27	2	0	0	572
70	0	0	0	0	17	40	107	73	4	0	0	0	241

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	2	51	224	560	808	961	889	618	303	66	6	0	2	53	277	837	1645	2606	3495	4113	4416	4482	4488
45	0	0	25	131	409	658	806	734	471	185	27	1	0	0	25	156	565	1223	2029	2763	3234	3419	3446	3447
50	0	0	10	68	270	508	651	579	327	98	8	0	0	0	10	78	348	856	1507	2086	2413	2511	2519	2519
55	0	0	2	33	159	361	496	424	201	46	3	0	0	0	2	35	194	555	1051	1475	1676	1722	1725	1725
60	0	0	0	13	83	226	343	278	109	14	0	0	0	0	0	13	96	322	665	943	1052	1066	1066	1066
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	34	140	338	514	637	580	380	184	36	1	0	0	34	174	512	1026	1663	2243	2623	2807	2843	2844

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: JUMP RIVER 3 E, WI

COOP ID: 474080

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,265 Feet Lat: 45°22N

Lon: 90°46W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	20.8	-.7	10.1	54	1973	25	22.9	1990	-47	1979	2	-2.5	1977	1705	0	.0	.0	.1	25.7	30.9	15.3
Feb	27.5	5.6	16.6	61	1976	24	30.3	1998	-44+	1996	3	4.3	1978	1356	0	.0	.0	.5	17.7	27.6	10.2
Mar	39.1	17.5	28.3	79	1986	31	37.6	1973	-27+	1978	1	20.5	1975	1138	0	.0	.0	5.5	8.0	27.3	4.2
Apr	54.6	30.4	42.5	88+	1980	22	48.6	1987	-10	1975	1	35.9	1975	676	0	.0	.0	19.9	.6	17.7	.2
May	68.1	41.2	54.7	91	1970	21	60.5	1977	12	1978	1	48.2	1979	344	24	.0	.0	30.2	@	7.0	.0
Jun	75.3	49.8	62.6	94	1963	30	67.7	1991	23	1972	10	57.0	1982	125	51	.0	.5	30.0	.0	1.3	.0
Jul	79.3	54.3	66.8	98	1988	15	71.3	1988	27	1972	4	61.7	1992	52	107	.0	1.3	31.0	.0	.1	.0
Aug	77.0	52.6	64.8	100	1964	2	70.0	1995	24	1977	24	57.9	1977	94	88	.0	.8	31.0	.0	.7	.0
Sep	68.0	44.4	56.2	95	1976	7	61.6	1998	14	1976	28	50.4	1974	273	9	.0	.1	29.5	.0	4.1	.0
Oct	56.3	34.2	45.3	87+	1976	2	52.3	1971	-3	1976	27	38.1	1976	611	0	.0	.0	22.6	.1	13.9	@
Nov	38.3	21.5	29.9	71	1999	8	37.3	1999	-31	1976	30	20.1	1976	1054	0	.0	.0	5.2	9.4	25.9	1.5
Dec	24.8	6.6	15.7	61	1998	2	24.4	1997	-47	1983	19	3.9	1976	1528	0	.0	.0	.3	23.2	30.7	10.2
Ann	52.4	29.8	41.1	100	Aug 1964	2	71.3	Jul 1988	-47+	Dec 1983	19	-2.5	Jan 1977	8956	279	.0	2.7	205.8	84.7	187.2	41.6

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

048-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: JUMP RIVER 3 E, WI

COOP ID: 474080

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,265 Feet Lat: 45°22N

Lon: 90°46W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.03	.85	1.14	1996	18	3.24	1996	.04	1981	9.0	3.3	.2	.1	.13	.21	.36	.51	.66	.83	1.02	1.26	1.59	2.13	2.65
Feb	.81	.69	1.19	1981	22	2.75	1981	.03	1993	6.3	2.5	.3	@	.09	.15	.27	.38	.50	.64	.80	.99	1.26	1.71	2.14
Mar	1.69	1.48	1.68	1973	11	3.80	1998	.22	1978	8.4	4.1	1.0	.3	.35	.50	.75	.98	1.20	1.45	1.72	2.05	2.48	3.18	3.84
Apr	2.53	2.56	1.91	1951	7	5.36	1982	.49	1987	9.6	6.0	1.6	.4	.83	1.07	1.42	1.72	2.01	2.31	2.64	3.02	3.51	4.28	4.98
May	3.43	3.13	2.70	1951	16	7.40	1999	.92	1976	10.1	6.5	2.6	.9	1.22	1.54	2.01	2.40	2.78	3.16	3.58	4.07	4.69	5.66	6.54
Jun	4.32	4.58	3.25	1979	16	7.67	2000	1.83	1995	11.0	7.3	3.0	1.0	1.96	2.34	2.87	3.30	3.70	4.10	4.53	5.03	5.65	6.58	7.43
Jul	4.36	3.56	4.02	1959	8	10.84	1999	1.62	1998	11.0	7.3	2.8	1.2	1.46	1.87	2.48	2.99	3.48	3.99	4.55	5.20	6.04	7.33	8.53
Aug	4.54	4.36	4.84	1983	30	10.53	1995	.92	1976	10.7	7.2	2.8	1.4	1.67	2.10	2.71	3.22	3.71	4.20	4.75	5.37	6.17	7.41	8.54
Sep	3.98	3.42	4.74	1964	2	8.86	1986	1.04	1976	11.2	7.2	2.8	.9	1.35	1.73	2.28	2.74	3.19	3.65	4.15	4.73	5.49	6.65	7.72
Oct	2.65	2.55	2.34	1979	22	4.81	1996	.53	1976	9.0	5.4	1.4	.6	.89	1.14	1.51	1.82	2.12	2.43	2.77	3.16	3.67	4.46	5.19
Nov	2.31	1.79	2.97	1991	1	7.51	1991	.15	1976	9.4	5.0	1.5	.4	.48	.69	1.03	1.34	1.65	1.98	2.36	2.81	3.40	4.35	5.26
Dec	1.16	1.04	1.15	1965	12	3.18	1982	.19	1999	9.5	3.8	.3	.1	.25	.35	.52	.68	.83	1.00	1.19	1.41	1.71	2.18	2.62
Ann	32.81	32.94	4.84	Aug 1983	30	10.84	Jul 1999	.03	Feb 1993	115.2	65.6	20.3	7.3	23.23	25.08	27.46	29.26	30.86	32.41	34.02	35.79	37.94	41.06	43.75

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: JUMP RIVER 3 E, WI

COOP ID: 474080

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,265 Feet

Lat: 45°22N

Lon: 90°46W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	14.7	13.1	12	12	10.0	1996	18	35.8	1996	39	1996	31	23+	1997	8.4	4.8	2.0	.8	.1	28.9	27.5	23.9	13.6
Feb	8.9	8.5	15	12	9.0	1991	23	21.2	1981	39	1996	6	31	1996	5.3	3.0	.9	.5	.0	27.2	26.0	24.1	15.6
Mar	10.0	8.7	8	5	12.5	1996	25	30.8	1985	38	1972	10	23	1996	4.5	2.7	1.2	.5	.1	20.3	17.0	14.5	8.0
Apr	2.3	1.0	1	#	9.0	1982	20	10.0	1982	23	1975	1	7	1996	1.3	.9	.3	@	.0	2.2	1.3	.4	.0
May	.1	.0	#	0	1.5	1973	2	1.5	1973	#	1996	5	#	1996	.1	@	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.1	.0	0	0	1.5	1995	22	1.5	1995	0	0	0	0	0	@	@	.0	.0	.0	.0	.0	.0	.0
Oct	1.0	.0	#	0	7.8	1982	20	7.8	1982	5	1982	21	1	1982	.7	.3	.1	@	.0	.2	.1	.1	.0
Nov	5.7	4.3	1	1	9.5	1978	17	28.0	1991	21	1985	30	5	1991	4.3	2.1	.8	.3	.0	8.2	3.8	2.7	.4
Dec	12.7	11.8	7	4	17.0	1985	1	30.6	1996	39	1985	4	30	1985	7.6	4.3	1.4	.4	@	25.6	20.0	14.1	5.4
Ann	55.5	47.4	N/A	N/A	17.0	Dec 1985	1	35.8	Jan 1996	39+	Feb 1996	6	31	Feb 1996	32.2	18.1	6.7	2.5	.2	112.6	95.7	79.8	43.0

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: JUMP RIVER 3 E, WI

COOP ID: 474080

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,265 Feet

Lat: 45° 22N

Lon: 90° 46W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/09	7/01	6/26	6/22	6/18	6/13	6/09	6/04	5/27
32	6/23	6/17	6/13	6/09	6/06	6/02	5/29	5/25	5/19
28	6/12	6/05	5/30	5/25	5/21	5/17	5/12	5/06	4/29
24	5/22	5/15	5/11	5/06	5/03	4/29	4/24	4/20	4/13
20	5/05	4/29	4/25	4/21	4/18	4/15	4/11	4/07	4/01
16	4/22	4/17	4/14	4/11	4/08	4/06	4/03	3/30	3/26
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/07	8/15	8/20	8/25	8/29	9/02	9/07	9/12	9/20
32	8/19	8/26	8/31	9/05	9/09	9/13	9/17	9/22	9/29
28	9/05	9/11	9/16	9/20	9/23	9/27	10/01	10/06	10/12
24	9/16	9/23	9/28	10/02	10/06	10/10	10/14	10/19	10/26
20	9/25	10/02	10/07	10/11	10/16	10/20	10/24	10/29	11/05
16	10/11	10/17	10/21	10/25	10/28	10/31	11/04	11/08	11/14
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	111	97	88	79	72	64	56	46	33
32	125	115	107	100	94	88	82	74	63
28	155	145	137	131	125	119	112	104	94
24	186	176	168	162	156	149	143	135	125
20	211	201	193	186	180	174	167	159	148
16	225	217	212	207	202	197	193	187	179

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography
of the United States
No. 20
1971-2000

Station: JUMP RIVER 3 E, WI

COOP ID: 474080

Climate Division: WI 2 NWS Call Sign: Elevation: 1,265 Feet Lat: 45°22N Lon: 90°46W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1705	1356	1138	676	344	125	52	94	273	611	1054	1528	8956
60	1550	1216	983	530	226	52	11	32	152	461	904	1373	7490
57	1457	1132	890	445	169	26	4	14	97	375	814	1280	6703
55	1395	1076	828	391	135	15	0	8	68	322	754	1218	6210
50	1240	936	678	268	69	3	0	0	22	205	607	1063	5091
32	703	472	230	26	0	0	0	0	0	12	179	542	2164

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	21	41	115	340	703	916	1078	1018	726	424	115	37	5534
55	0	0	0	16	125	241	365	312	104	21	0	0	1184
57	0	0	0	10	96	192	307	257	73	12	0	0	947
60	0	0	0	4	61	128	221	182	39	5	0	0	640
65	0	0	0	0	24	51	107	88	9	0	0	0	279
70	0	0	0	0	7	13	35	29	1	0	0	0	85

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	2	26	166	472	688	847	785	504	219	30	1	0	2	28	194	666	1354	2201	2986	3490	3709	3739	3740
45	0	1	12	92	328	538	692	630	356	126	10	0	0	1	13	105	433	971	1663	2293	2649	2775	2785	2785
50	0	0	2	48	210	393	537	476	233	63	2	0	0	0	2	50	260	653	1190	1666	1899	1962	1964	1964
55	0	0	0	23	111	255	384	322	132	26	1	0	0	0	0	23	134	389	773	1095	1227	1253	1254	1254
60	0	0	0	7	52	141	234	189	66	4	0	0	0	0	0	7	59	200	434	623	689	693	693	693
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	22	126	314	445	553	509	317	138	17	0	0	1	23	149	463	908	1461	1970	2287	2425	2442	2442

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: KENOSHA, WI

COOP ID: 474174

Climate Division: WI 9

NWS Call Sign:

Elevation: 600 Feet Lat: 42°34N Lon: 87°49W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	28.4	13.2	20.8	64	1950	25	31.5	1990	-31+	1985	20	8.6	1977	1370	0	.0	.0	.8	17.9	29.0	6.7
Feb	32.3	17.8	25.1	69	1999	12	34.5	1998	-23	1996	3	16.1	1979	1119	0	.0	.0	1.5	12.7	25.6	2.9
Mar	41.5	27.2	34.4	83	1986	29	41.7	2000	-9	1962	1	27.5	1984	950	0	.0	.0	6.2	4.5	22.7	.2
Apr	50.9	37.3	44.1	90	1980	22	48.6	1981	10	1982	7	40.1	1972	627	0	.0	@	14.9	.3	8.9	.0
May	62.1	47.7	54.9	94+	1975	19	60.4	1977	26	1977	8	50.1	1983	324	12	.0	.1	28.2	.0	.5	.0
Jun	72.7	57.2	65.0	102	1953	20	69.4	1987	36	1972	11	59.5	1982	86	84	@	1.3	30.0	.0	.0	.0
Jul	78.7	63.9	71.3	104	1999	30	77.8	1999	41	1983	6	66.8	1992	16	212	.1	3.2	31.0	.0	.0	.0
Aug	77.7	63.9	70.8	101	1948	25	75.5	1983	40+	1978	31	65.7	1992	17	197	@	1.8	31.0	.0	.0	.0
Sep	70.5	55.2	62.9	100	1953	1	66.7	1998	30+	1984	30	57.7	1993	107	42	.0	.4	30.0	.0	.3	.0
Oct	59.3	44.0	51.7	89+	1967	2	57.7	1971	20+	1981	24	46.0	1988	415	2	.0	.0	27.1	.0	3.5	.0
Nov	46.0	31.5	38.8	80	1950	1	45.5	1999	-5	1976	29	31.0	1995	787	0	.0	.0	10.6	2.2	17.1	@
Dec	33.8	20.0	26.9	70	2001	5	34.4	1998	-29	1983	24	15.5	1983	1181	0	.0	.0	2.0	10.6	27.1	2.7
Ann	54.5	39.9	47.2	104	Jul 1999	30	77.8	Jul 1999	-31+	Jan 1985	20	8.6	Jan 1977	6999	549	.1	6.8	213.3	48.2	134.7	12.5

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

049-A

**Climatography
of the United States
No. 20
1971-2000**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: KENOSHA, WI

COOP ID: 474174

Climate Division: WI 9

NWS Call Sign:

Elevation: 600 Feet Lat: 42°34N

Lon: 87°49W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.67	1.40	2.59	1960	12	5.06	1999	.13	1981	10.1	4.2	.9	.3	.27	.41	.65	.88	1.12	1.38	1.68	2.04	2.52	3.31	4.06
Feb	1.29	1.23	1.61	2001	24	3.73	1994	.09	1995	7.5	3.3	.8	.1	.24	.35	.54	.72	.90	1.09	1.31	1.58	1.93	2.50	3.05
Mar	2.34	2.09	2.17	1993	31	5.48	1976	.58	1981	10.1	5.7	1.5	.2	.69	.91	1.24	1.53	1.81	2.10	2.43	2.81	3.30	4.07	4.79
Apr	3.85	3.66	2.39	1993	19	7.71	1999	1.23	1971	12.1	7.2	2.7	.9	1.33	1.70	2.23	2.67	3.10	3.54	4.02	4.59	5.30	6.41	7.44
May	3.38	3.44	2.86	2000	18	8.41	2000	.23	1992	10.7	6.8	2.1	.7	.66	.96	1.46	1.91	2.37	2.87	3.43	4.11	5.01	6.45	7.81
Jun	3.59	3.49	3.76	2000	12	8.69	1993	.80	1988	10.0	6.3	2.6	.8	.97	1.31	1.82	2.28	2.73	3.19	3.71	4.33	5.13	6.39	7.56
Jul	3.68	3.54	3.26	1963	19	8.55	1978	1.07	1979	9.4	6.2	2.6	.9	1.11	1.46	1.98	2.43	2.87	3.32	3.82	4.41	5.17	6.36	7.46
Aug	4.19	3.64	4.88	1987	14	12.65	1987	.54	1973	9.5	6.3	2.7	1.2	1.15	1.55	2.15	2.68	3.20	3.74	4.34	5.04	5.96	7.41	8.76
Sep	3.49	2.92	2.77	1993	25	10.47	1986	.04	1979	9.2	5.9	2.7	.8	.52	.81	1.32	1.80	2.31	2.86	3.49	4.27	5.31	7.01	8.65
Oct	2.49	1.97	5.66	1965	21	6.25	1985	.62	1992	8.9	5.3	1.8	.4	.73	.97	1.32	1.63	1.93	2.24	2.59	2.99	3.52	4.34	5.10
Nov	2.68	2.29	2.39	1951	13	6.61	1985	.20	1999	10.2	6.2	1.7	.5	.65	.90	1.29	1.64	1.99	2.35	2.76	3.25	3.88	4.89	5.84
Dec	2.09	2.14	2.74	1982	2	5.18	1987	.28	1989	9.8	5.1	1.1	.3	.46	.66	.97	1.24	1.52	1.81	2.15	2.54	3.06	3.90	4.68
Ann	34.74	35.00	5.66	Oct 1965	21	12.65	Aug 1987	.04	Sep 1979	117.5	68.5	23.2	7.1	23.96	26.02	28.68	30.71	32.51	34.26	36.08	38.09	40.53	44.09	47.18

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: KENOSHA, WI

COOP ID: 474174

Climate Division: WI 9

NWS Call Sign:

Elevation: 600 Feet

Lat: 42°34N

Lon: 87°49W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	11.2	10.7	4	3	15.0	1979	13	37.5	1979	33	1979	19	22	1979	6.9	4.0	1.3	.5	.1	17.8	11.8	5.6	2.2
Feb	8.6	7.2	4	2	14.5	1978	6	33.5	1994	30	1978	7	23	1979	4.2	2.6	1.1	.4	.1	12.3	6.9	3.4	1.3
Mar	4.3	2.4	1	#	8.0	1999	9	16.0	1999	14	1979	2	6	1979	2.8	1.9	.6	.1	.0	4.8	2.4	1.4	.4
Apr	1.3	.0	#	#	8.0	1975	2	10.0	1975	8	1975	3	1	1975	.7	.3	.1	.1	.0	.4	.2	.1	.0
May	#	.0	0	0	#	1990	10	#+	1990	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	#	0	1.0	1989	19	1.5	1989	1	1989	19	#+	1989	.1	@	.0	.0	.0	@	.0	.0	.0
Nov	1.5	.3	#	#	5.0	1975	26	8.0	1977	6	1977	27	1	1977	1.0	.5	.2	@	.0	.8	.4	.1	.0
Dec	7.3	6.9	1	1	11.8	2000	11	16.8	1977	16+	2000	30	9	2000	4.4	2.6	1.0	.4	@	8.9	3.2	1.8	.7
Ann	34.3	27.5	N/A	N/A	15.0	Jan 1979	13	37.5	Jan 1979	33	Jan 1979	19	23	Feb 1979	20.1	11.9	4.3	1.5	.2	45.0	24.9	12.4	4.6

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: KENOSHA, WI

COOP ID: 474174

Climate Division: WI 9

NWS Call Sign:

Elevation: 600 Feet

Lat: 42°34N

Lon: 87°49W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/26	5/19	5/15	5/11	5/07	5/04	4/30	4/25	4/19
32	5/13	5/08	5/04	4/30	4/27	4/24	4/21	4/17	4/11
28	4/30	4/24	4/20	4/17	4/14	4/11	4/07	4/03	3/29
24	4/13	4/09	4/07	4/04	4/02	3/31	3/29	3/26	3/22
20	4/10	4/04	3/30	3/26	3/23	3/19	3/15	3/10	3/04
16	4/03	3/27	3/22	3/18	3/14	3/10	3/06	3/01	2/22
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/23	9/28	10/01	10/04	10/07	10/09	10/12	10/16	10/20
32	9/30	10/06	10/11	10/15	10/19	10/22	10/26	10/31	11/06
28	10/20	10/24	10/27	10/30	11/01	11/04	11/06	11/09	11/14
24	10/21	10/26	10/30	11/03	11/06	11/10	11/13	11/17	11/23
20	10/30	11/05	11/10	11/14	11/18	11/21	11/25	11/30	12/06
16	11/09	11/14	11/19	11/22	11/25	11/29	12/02	12/06	12/12
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	175	167	161	156	152	147	142	136	128
32	202	192	185	179	174	168	162	155	145
28	222	214	209	205	201	197	192	187	180
24	239	232	226	222	218	213	209	203	196
20	268	258	251	245	239	234	228	220	210
16	286	275	268	262	256	250	243	236	226

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: KENOSHA, WI

COOP ID: 474174

Climate Division: WI 9 NWS Call Sign: Elevation: 600 Feet Lat: 42°34N Lon: 87°49W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1370	1119	950	627	324	86	16	17	107	415	787	1181	6999
60	1215	979	795	477	198	30	2	1	36	273	637	1026	5669
57	1122	895	702	389	137	13	0	0	14	199	548	933	4952
55	1060	839	640	332	103	7	0	0	7	156	490	871	4505
50	905	699	488	202	42	1	0	0	1	75	353	723	3489
32	405	261	88	3	0	0	0	0	0	0	48	266	1071

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	58	66	160	366	711	989	1219	1203	925	610	251	108	6666
55	0	0	0	5	101	305	506	490	242	53	3	0	1705
57	0	0	0	2	73	252	444	428	190	34	1	0	1424
60	0	0	0	0	41	179	353	337	121	15	0	0	1046
65	0	0	0	0	12	84	212	197	42	2	0	0	549
70	0	0	0	0	2	28	104	92	8	0	0	0	234

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	3	7	54	161	444	729	949	925	674	359	96	10	3	10	64	225	669	1398	2347	3272	3946	4305	4401	4411
45	0	1	26	81	298	579	794	770	524	225	42	5	0	1	27	108	406	985	1779	2549	3073	3298	3340	3345
50	0	0	9	35	177	429	639	615	376	121	15	0	0	0	9	44	221	650	1289	1904	2280	2401	2416	2416
55	0	0	5	13	97	288	486	460	238	50	3	0	0	0	5	18	115	403	889	1349	1587	1637	1640	1640
60	0	0	0	4	43	170	332	308	129	18	0	0	0	0	0	4	47	217	549	857	986	1004	1004	1004
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	3	31	80	226	434	624	611	394	178	46	3	0	3	34	114	340	774	1398	2009	2403	2581	2627	2630

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: KEWAUNEE 3 NW, WI

COOP ID: 474195

Climate Division: WI 6

NWS Call Sign:

Elevation: 702 Feet Lat: 44°29N Lon: 87°32W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	25.7	10.3	18.0	52	1961	13	26.8	1990	-29	1985	20	5.7	1977	1458	0	.0	.0	.1	21.4	30.3	6.9
Feb	29.1	13.3	21.2	56	1984	23	31.5	1998	-20+	1985	2	11.3	1979	1227	0	.0	.0	.1	15.8	26.7	3.8
Mar	38.6	23.2	30.9	71	1986	27	38.9	2000	-16	1962	1	24.6	1996	1058	0	.0	.0	3.3	6.0	25.0	.6
Apr	49.3	33.7	41.5	87	1962	26	45.6	1999	9	1954	3	37.1	1996	704	0	.0	.0	14.8	.3	10.8	.0
May	61.7	43.6	52.7	91+	1988	31	59.8	1998	24	1966	10	47.2	1983	392	10	.0	@	28.7	.0	1.4	.0
Jun	71.6	53.2	62.4	98	1970	29	68.5	1987	31	1990	4	57.9	1982	139	60	.0	.8	30.0	.0	@	.0
Jul	77.2	59.9	68.6	100+	1995	15	73.0	1983	41	1982	7	62.7	1992	32	141	.1	1.4	31.0	.0	.0	.0
Aug	75.5	59.6	67.6	102	1948	24	73.5	1995	40+	1986	30	63.2	1992	46	127	.0	.5	31.0	.0	.0	.0
Sep	68.3	51.5	59.9	95	1953	1	64.5	1998	28	1989	24	54.7	1993	178	24	.0	.1	29.9	.0	.6	.0
Oct	56.0	39.9	48.0	89	1963	6	54.5	1971	20+	1988	30	44.0	1988	529	0	.0	.0	25.7	.0	5.0	.0
Nov	42.9	28.1	35.5	73+	1999	10	42.9	1975	-7	1976	29	28.7	1996	885	0	.0	.0	7.0	2.9	19.4	.1
Dec	30.2	16.6	23.4	66	2001	5	30.4	1982	-20+	1989	21	11.1	1989	1289	0	.0	.0	.7	15.4	28.3	3.5
Ann	52.2	36.1	44.1	102	Aug 1948	24	73.5	Aug 1995	-29	Jan 1985	20	5.7	Jan 1977	7937	362	.1	2.8	202.3	61.8	147.5	14.9

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

050-A

**Climatography
of the United States
No. 20
1971-2000**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: KEWAUNEE 3 NW, WI

COOP ID: 474195

Climate Division: WI 6

NWS Call Sign:

Elevation: 702 Feet

Lat: 44°29N

Lon: 87°32W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.49	1.57	2.00	1969	23	3.09	1994	.20	1981	9.1	4.7	.5	.0	.44	.58	.79	.98	1.15	1.34	1.54	1.79	2.10	2.59	3.04
Feb	1.21	1.11	1.83	1977	13	2.92	1977	.19	1995	7.1	3.5	.5	.1	.30	.42	.59	.75	.90	1.06	1.24	1.46	1.74	2.18	2.59
Mar	1.99	1.72	1.90	1979	30	5.74	1979	.20	1999	7.9	5.0	1.3	.4	.30	.47	.76	1.04	1.32	1.63	1.99	2.43	3.02	3.98	4.90
Apr	2.69	2.70	2.32	1949	26	5.44	1981	.57	1997	8.3	6.2	1.7	.4	1.04	1.29	1.65	1.94	2.22	2.51	2.82	3.18	3.63	4.33	4.97
May	2.77	2.51	3.00	1978	13	7.94	1973	.80	1981	8.0	5.9	1.9	.5	.95	1.21	1.59	1.92	2.23	2.54	2.89	3.30	3.82	4.62	5.36
Jun	3.31	2.91	3.75	1990	17	10.15	1990	.96	1995	8.3	6.1	2.4	.7	.97	1.28	1.76	2.17	2.57	2.98	3.44	3.98	4.68	5.78	6.79
Jul	3.39	3.26	3.81	1964	20	7.51	1991	.95	1995	8.3	6.0	2.2	.9	1.11	1.43	1.90	2.30	2.69	3.09	3.53	4.04	4.70	5.73	6.67
Aug	3.74	3.31	4.08	1980	20	7.39	1975	1.70	1976	8.6	6.5	2.4	.9	1.43	1.78	2.27	2.69	3.08	3.48	3.91	4.42	5.06	6.04	6.94
Sep	3.41	3.19	3.78	1985	5	10.45	1986	.15	1979	8.7	6.2	2.1	.9	.57	.87	1.36	1.83	2.31	2.84	3.44	4.16	5.14	6.71	8.22
Oct	2.32	2.32	2.41	1984	19	4.95	1984	.00	2000	8.0	5.2	1.4	.4	.46	.78	1.17	1.49	1.79	2.10	2.44	2.84	3.35	4.16	4.91
Nov	2.35	2.20	2.00	1992	2	5.92	1985	.18	1976	7.8	5.3	1.5	.4	.54	.76	1.10	1.41	1.72	2.05	2.41	2.85	3.43	4.34	5.20
Dec	1.63	1.54	2.30	1959	28	4.08	1971	.16	1994	8.6	4.5	.6	.1	.39	.54	.78	.99	1.20	1.43	1.68	1.98	2.37	2.99	3.57
Ann	30.30	29.77	4.08	Aug 1980	20	10.45	Sep 1986	.00	Oct 2000	98.7	65.1	18.5	5.7	22.93	24.40	26.25	27.64	28.87	30.05	31.26	32.60	34.21	36.52	38.51

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

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Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: KEWAUNEE 3 NW, WI

COOP ID: 474195

Climate Division: WI 6

NWS Call Sign:

Elevation: 702 Feet

Lat: 44°29N

Lon: 87°32W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	13.0	9.5	7	5	8.0	1971	4	34.5	1982	24+	1994	31	17	1982	6.9	5.0	1.7	.5	.0	25.2	20.0	14.8	7.1
Feb	10.1	9.5	7	5	6.5	1985	6	20.0	1979	30	1979	16	24	1979	5.4	4.0	1.2	.4	.0	23.7	18.5	15.1	5.9
Mar	7.0	6.0	3	2	15.2	1997	14	20.6	1997	22	1979	1	13	1979	4.3	2.9	.8	.1	@	13.6	8.3	6.1	1.0
Apr	2.0	1.0	#	#	5.0	1977	4	8.0	1993	5	1977	4	1	1979	1.4	1.0	.2	@	.0	1.9	.4	@	.0
May	.1	.0	#	0	1.0	1990	10	1.0+	1994	#	1990	10	#	1990	.1	.1	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.0	.0	0	0	1.0	1992	20	1.0	1992	0	0	0	0	0	@	@	.0	.0	.0	.0	.0	.0	.0
Nov	2.2	1.5	#	#	4.0	1988	6	6.5	1988	3	1995	26	1	1991	1.8	1.2	.1	.0	.0	2.5	.2	.0	.0
Dec	9.1	9.8	2	1	9.9	2000	19	18.5	1989	16	1985	31	10	1985	5.4	3.9	1.0	.3	.0	17.1	9.4	6.6	1.9
Ann	43.5	37.3	N/A	N/A	15.2	Mar 1997	14	34.5	Jan 1982	30	Feb 1979	16	24	Feb 1979	25.3	18.1	5.0	1.3	@	84.0	56.8	42.6	15.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: KEWAUNEE 3 NW, WI

COOP ID: 474195

Climate Division: WI 6

NWS Call Sign:

Elevation: 702 Feet

Lat: 44° 29N

Lon: 87° 32W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/08	6/01	5/28	5/24	5/21	5/17	5/13	5/09	5/02
32	5/20	5/15	5/11	5/07	5/04	5/01	4/27	4/23	4/18
28	5/07	5/01	4/28	4/24	4/21	4/18	4/15	4/11	4/06
24	4/18	4/14	4/11	4/09	4/07	4/05	4/02	3/31	3/27
20	4/10	4/06	4/03	4/01	3/30	3/27	3/25	3/22	3/18
16	4/06	4/01	3/28	3/25	3/22	3/19	3/16	3/12	3/07
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/17	9/21	9/24	9/26	9/29	10/01	10/03	10/06	10/10
32	9/23	9/28	10/02	10/05	10/08	10/10	10/14	10/17	10/22
28	10/08	10/14	10/19	10/22	10/26	10/29	11/02	11/06	11/12
24	10/19	10/25	10/29	11/01	11/04	11/07	11/10	11/14	11/19
20	10/29	11/04	11/08	11/12	11/15	11/18	11/22	11/26	12/02
16	11/07	11/14	11/18	11/22	11/26	11/29	12/03	12/07	12/14
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	154	146	140	135	130	126	121	115	107
32	177	169	164	160	156	152	148	143	135
28	210	202	196	191	187	182	177	171	163
24	228	222	217	214	210	207	203	199	193
20	252	244	239	234	230	225	221	215	208
16	270	262	257	252	248	243	239	233	225

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: KEWAUNEE 3 NW, WI

COOP ID: 474195

Climate Division: WI 6 NWS Call Sign: Elevation: 702 Feet Lat: 44°29N Lon: 87°32W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1458	1227	1058	704	392	139	32	46	178	529	885	1289	7937
60	1303	1087	903	554	259	64	6	11	81	377	735	1134	6514
57	1210	1003	810	465	192	35	1	3	43	292	645	1041	5740
55	1148	947	748	407	152	22	0	1	26	239	585	979	5254
50	993	807	593	267	75	5	0	0	5	129	442	827	4143
32	464	339	139	8	0	0	0	0	0	1	77	346	1374

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	29	36	103	294	640	912	1133	1103	836	495	182	80	5843
55	0	0	0	2	80	244	420	391	172	20	0	0	1329
57	0	0	0	1	57	197	359	331	129	11	0	0	1085
60	0	0	0	0	32	136	271	246	76	4	0	0	765
65	0	0	0	0	10	60	141	127	24	0	0	0	362
70	0	0	0	0	2	18	56	49	4	0	0	0	129

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	21	123	399	667	872	851	597	280	53	3	0	0	21	144	543	1210	2082	2933	3530	3810	3863	3866
45	0	0	6	48	254	517	717	696	447	152	16	1	0	0	6	54	308	825	1542	2238	2685	2837	2853	2854
50	0	0	1	17	141	367	562	541	305	64	4	0	0	0	1	18	159	526	1088	1629	1934	1998	2002	2002
55	0	0	0	3	67	232	408	386	179	19	0	0	0	0	0	3	70	302	710	1096	1275	1294	1294	1294
60	0	0	0	0	27	123	258	238	82	2	0	0	0	0	0	0	27	150	408	646	728	730	730	730
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	7	56	206	390	561	543	340	127	17	0	0	0	7	63	269	659	1220	1763	2103	2230	2247	2247

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: LA CROSSE MUNICIPAL AP, WI

COOP ID: 474370

Climate Division: WI 4

NWS Call Sign: LSE

Elevation: 651 Feet

Lat: 43°53N

Lon: 91°15W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	25.5	6.3	15.9	57	1981	25	28.9	1990	-37	1951	30	3.7	1977	1536	0	.0	.0	.3	22.0	30.5	11.5
Feb	32.4	12.8	22.6	64+	2000	29	34.1	1998	-36	1971	8	11.7	1978	1202	0	.0	.0	1.3	14.2	26.5	6.7
Mar	44.6	24.5	34.6	84	1986	29	42.5	2000	-28	1962	1	25.4	1975	959	0	.0	.0	8.7	5.5	23.9	1.3
Apr	59.7	37.1	48.4	93	1980	22	55.4	1977	7	1982	6	42.2	1975	521	8	.0	.1	22.6	.3	9.4	.0
May	72.5	48.7	60.6	94+	1998	28	68.0	1977	26+	1989	6	55.0	1997	202	49	.0	1.0	30.7	.0	.6	.0
Jun	81.3	57.9	69.6	102	1988	21	74.9	1991	37	1978	8	64.1	1982	38	162	.1	4.0	30.0	.0	.0	.0
Jul	85.2	62.8	74.0	108	1995	13	78.8	1980	44+	1967	4	68.5	1992	6	272	.4	7.3	31.0	.0	.0	.0
Aug	82.5	60.7	71.6	105	1988	1	77.8	1995	36	1950	20	67.1	1992	17	208	.2	4.1	31.0	.0	.0	.0
Sep	73.7	51.7	62.7	100+	1978	7	68.8	1998	23	1949	29	57.0	1993	152	70	@	1.3	29.9	.0	.4	.0
Oct	61.1	40.1	50.6	93	1963	6	57.6	1973	14	1988	30	45.1	1988	467	6	.0	.1	26.3	.0	6.7	.0
Nov	43.6	27.4	35.5	75+	2000	1	43.0	1999	-10	1950	24	28.0	1991	893	0	.0	.0	8.3	5.5	21.3	.4
Dec	29.9	13.6	21.8	67	1998	5	29.2	1998	-30	1983	19	7.2	1983	1347	0	.0	.0	.9	17.9	29.4	6.1
Ann	57.7	37.0	47.3	108	Jul 1995	13	78.8	Jul 1980	-37	Jan 1951	30	3.7	Jan 1977	7340	775	.7	17.9	221.0	65.4	148.7	26.0

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

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Issue Date: February 2004

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Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: LA CROSSE MUNICIPAL AP, WI

COOP ID: 474370

Climate Division: WI 4

NWS Call Sign: LSE

Elevation: 651 Feet Lat: 43°53N

Lon: 91°15W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.19	.91	1.31	1967	24	3.03	1996	.14	1981	9.5	3.7	.4	.0	.27	.38	.55	.71	.87	1.03	1.22	1.44	1.73	2.20	2.63
Feb	.99	.80	1.29	1983	2	2.71	1998	.15	1995	7.6	2.8	.4	.1	.17	.25	.40	.53	.67	.82	1.00	1.21	1.49	1.94	2.37
Mar	2.00	2.09	1.58	1992	9	3.69	1973	.30	1978	9.6	4.7	1.3	.3	.56	.75	1.04	1.29	1.53	1.79	2.07	2.41	2.85	3.53	4.17
Apr	3.38	2.73	3.91	1975	27	7.31	1973	1.40	2000	10.8	6.7	2.3	.7	1.12	1.44	1.91	2.31	2.70	3.09	3.53	4.04	4.69	5.71	6.64
May	3.38	3.03	2.87	2000	17	6.85	1991	.94	1988	11.0	6.7	2.4	.7	1.08	1.40	1.87	2.28	2.67	3.07	3.52	4.04	4.71	5.75	6.72
Jun	4.00	3.00	3.93	1967	15	10.79	1993	1.33	1989	11.0	7.2	2.3	1.0	1.06	1.44	2.02	2.53	3.03	3.55	4.14	4.82	5.73	7.14	8.46
Jul	4.25	3.81	5.24	1987	27	9.35	1987	1.42	1975	10.8	7.0	2.8	1.0	1.36	1.76	2.36	2.86	3.36	3.87	4.42	5.08	5.92	7.23	8.45
Aug	4.28	3.46	2.84	1973	22	9.84	1980	.54	1976	10.4	7.3	3.1	1.1	1.10	1.51	2.13	2.68	3.22	3.79	4.42	5.18	6.16	7.71	9.16
Sep	3.40	2.43	3.35	1983	19	8.51	1980	.53	1979	9.6	6.0	2.0	.8	.62	.92	1.42	1.88	2.35	2.86	3.44	4.14	5.07	6.57	8.00
Oct	2.16	1.95	2.28	1998	17	5.09	1984	.28	1976	8.3	4.5	1.3	.3	.41	.60	.92	1.21	1.51	1.83	2.20	2.64	3.22	4.16	5.06
Nov	2.10	1.72	2.80	1991	1	6.23	1991	.00	1976	8.9	4.5	1.2	.4	.23	.48	.83	1.14	1.44	1.77	2.14	2.59	3.19	4.14	5.04
Dec	1.23	.90	1.42	1990	3	2.91	1990	.30	1998	9.3	3.8	.3	.1	.32	.44	.62	.78	.93	1.09	1.27	1.49	1.76	2.20	2.61
Ann	32.36	32.77	5.24	Jul 1987	27	10.79	Jun 1993	.00	Nov 1976	116.8	64.9	19.8	6.5	23.20	24.98	27.25	28.98	30.51	32.00	33.52	35.21	37.26	40.22	42.78

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

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No. 20 1971-2000

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Station: LA CROSSE MUNICIPAL AP, WI

COOP ID: 474370

Climate Division: WI 4

NWS Call Sign: LSE

Elevation: 651 Feet

Lat: 43°53N

Lon: 91°15W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	13.0	10.3	5	4	12.0	1996	26	35.0	1996	34	1979	24	18	1979	8.4	4.0	1.5	.6	.1	26.4	19.5	14.7	4.3
Feb	8.0	7.0	5	4	10.0	1983	2	20.4	1971	29+	1979	13	24	1979	6.0	2.5	.7	.3	@	21.6	16.0	12.2	5.4
Mar	7.2	5.9	2	2	14.3	1997	13	20.5	1997	19+	1997	16	10	1975	4.4	2.2	.9	.3	@	10.6	6.8	4.1	1.8
Apr	2.0	.5	#	0	10.3	1973	9	17.0	1973	16	1973	10	2	1973	1.3	.6	.2	.1	@	.9	.2	.2	.1
May	#	.0	#	0	#	1989	30	#+	1989	0	0	0	#	1998	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	0	0	#	1985	24	#	1985	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.2	.0	#	0	1.8	1992	19	1.8	1992	1	1992	19	#	1992	.3	.1	.0	.0	.0	@	.0	.0	.0
Nov	4.4	2.9	1	0	13.0	1991	23	30.3	1991	15+	1991	29	6	1991	3.2	1.3	.3	.1	@	4.2	2.1	1.2	.3
Dec	9.6	8.8	3	1	14.4	1990	3	30.4	1990	17	2000	30	9	1990	7.0	3.1	.9	.3	@	19.9	10.8	5.5	1.6
Ann	44.4	35.4	N/A	N/A	14.4	Dec 1990	3	35.0	Jan 1996	34	Jan 1979	24	24	Feb 1979	30.6	13.8	4.5	1.7	.1	83.6	55.4	37.9	13.5

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: LA CROSSE MUNICIPAL AP, WI

COOP ID: 474370

Climate Division: WI 4

NWS Call Sign: LSE

Elevation: 651 Feet

Lat: 43°53N

Lon: 91°15W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/24	5/19	5/16	5/13	5/10	5/07	5/04	5/01	4/26
32	5/14	5/08	5/04	4/30	4/27	4/24	4/20	4/16	4/10
28	4/29	4/24	4/21	4/18	4/15	4/12	4/09	4/06	4/01
24	4/16	4/12	4/10	4/07	4/05	4/03	4/01	3/30	3/26
20	4/13	4/08	4/05	4/02	3/30	3/27	3/24	3/21	3/16
16	4/05	3/30	3/27	3/23	3/20	3/17	3/13	3/10	3/04
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/20	9/23	9/26	9/28	9/30	10/02	10/04	10/07	10/11
32	9/24	9/29	10/03	10/06	10/09	10/11	10/14	10/18	10/23
28	10/05	10/10	10/14	10/17	10/20	10/23	10/27	10/30	11/05
24	10/13	10/19	10/23	10/26	10/29	11/01	11/05	11/09	11/14
20	10/20	10/27	10/31	11/04	11/08	11/11	11/15	11/20	11/26
16	11/02	11/08	11/12	11/16	11/19	11/23	11/26	12/01	12/06
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	159	153	149	146	142	139	136	132	126
32	184	177	172	168	164	160	156	151	144
28	210	202	197	192	188	183	179	173	166
24	226	219	214	210	206	202	198	193	186
20	246	238	232	227	222	218	213	207	199
16	269	261	254	249	243	238	233	226	217

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: LA CROSSE MUNICIPAL AP, WI

COOP ID: 474370

Climate Division: WI 4 NWS Call Sign: LSE Elevation: 651 Feet Lat: 43°53N Lon: 91°15W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1536	1202	959	521	202	38	6	17	152	467	893	1347	7340
60	1367	1048	790	363	116	8	0	4	58	309	735	1187	5985
57	1274	964	697	287	76	3	0	1	30	235	646	1094	5307
55	1212	908	636	241	56	1	0	0	18	191	588	1032	4883
50	1057	771	493	143	21	0	0	0	4	103	449	881	3922
32	540	335	116	4	0	0	0	0	0	2	96	398	1491

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	10	35	165	479	870	1113	1288	1214	908	566	173	25	6846
55	0	0	6	43	199	425	575	501	246	55	3	0	2053
57	0	0	4	32	158	367	513	440	201	39	2	0	1756
60	0	0	2	19	108	282	421	348	142	21	1	0	1344
65	0	0	0	8	49	162	272	208	70	6	0	0	775
70	0	0	0	2	17	74	141	98	28	1	0	0	361

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	8	64	274	631	880	1051	972	677	339	65	4	0	8	72	346	977	1857	2908	3880	4557	4896	4961	4965
45	0	1	29	165	479	730	896	817	530	214	27	1	0	1	30	195	674	1404	2300	3117	3647	3861	3888	3889
50	0	1	13	93	332	580	741	662	386	120	11	0	0	1	14	107	439	1019	1760	2422	2808	2928	2939	2939
55	0	0	6	47	205	431	586	507	252	60	1	0	0	0	6	53	258	689	1275	1782	2034	2094	2095	2095
60	0	0	0	23	114	292	431	352	144	23	0	0	0	0	0	23	137	429	860	1212	1356	1379	1379	1379
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	42	166	383	573	712	650	416	193	30	2	0	1	43	209	592	1165	1877	2527	2943	3136	3166	3168

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: LAKE GENEVA, WI

COOP ID: 474457

Climate Division: WI 9

NWS Call Sign:

Elevation: 880 Feet Lat: 42°36N Lon: 88°26W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	27.9	12.2	20.1	58+	1996	18	31.2	1990	-27+	1994	18	7.0	1977	1393	0	.0	.0	.5	19.6	29.7	6.6
Feb	33.5	16.9	25.2	67	2000	25	36.9	1998	-25	1996	3	14.4	1979	1114	0	.0	.0	2.1	12.3	25.6	3.8
Mar	44.7	26.2	35.5	81+	1986	31	43.7	2000	-15	1962	1	28.4	1984	917	0	.0	.0	9.4	4.0	23.1	.2
Apr	58.6	36.7	47.7	90	1980	22	53.7	1977	9	1982	7	41.7	1975	524	2	.0	@	23.0	@	9.2	.0
May	71.8	47.6	59.7	94+	1991	28	67.0	1977	27+	1989	7	53.4	1997	220	56	.0	.9	30.7	.0	.8	.0
Jun	81.6	57.4	69.5	104	1988	20	74.2	1988	35	1972	11	64.3	1982	30	165	.2	4.4	30.0	.0	.0	.0
Jul	85.6	63.1	74.4	104	1995	13	79.6	1999	39+	1965	6	69.4	1992	4	295	.3	7.5	31.0	.0	.0	.0
Aug	83.1	61.7	72.4	106	1988	1	78.4	1988	40+	1986	28	67.8	1992	15	244	.3	4.3	31.0	.0	.0	.0
Sep	75.3	53.7	64.5	100	1953	1	69.4	1998	28+	1995	23	58.8	1993	88	73	.0	1.3	30.0	.0	.2	.0
Oct	62.5	42.6	52.6	87+	1982	6	60.6	1971	17	1988	30	46.8	1988	393	7	.0	.0	27.8	.0	4.9	.0
Nov	46.1	30.8	38.5	75+	1978	3	45.6	1999	-6	1950	24	31.3	1996	796	0	.0	.0	11.2	3.0	18.4	.1
Dec	32.9	18.8	25.9	67	2001	5	33.1	1982	-23	1983	24	14.4	1983	1215	0	.0	.0	1.8	13.5	28.3	2.9
Ann	58.6	39.0	48.8	106	Aug 1988	1	79.6	Jul 1999	-27+	Jan 1994	18	7.0	Jan 1977	6709	842	.8	18.4	228.5	52.4	140.2	13.6

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

052-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: LAKE GENEVA, WI

COOP ID: 474457

Climate Division: WI 9

NWS Call Sign:

Elevation: 880 Feet

Lat: 42°36N

Lon: 88°26W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	2.04	1.81	2.41	1960	12	5.23	1999	.20	1981	13.4	5.8	.9	.2	.54	.74	1.03	1.29	1.55	1.81	2.11	2.46	2.92	3.64	4.31
Feb	1.64	1.36	2.15	2001	9	4.63	1994	.12	1995	9.5	4.3	.8	.2	.25	.39	.62	.85	1.09	1.34	1.64	2.00	2.49	3.28	4.04
Mar	2.67	2.80	2.21	1976	4	6.78	1976	.72	1996	11.8	6.5	1.6	.3	.65	.91	1.30	1.64	1.99	2.35	2.75	3.24	3.87	4.87	5.80
Apr	3.83	3.82	2.15	1972	16	8.55	1973	.97	1971	12.8	7.2	2.6	1.0	1.42	1.78	2.30	2.72	3.13	3.55	4.00	4.53	5.20	6.22	7.17
May	3.53	3.32	2.99	2000	18	8.22	2000	.54	1994	12.5	7.4	2.5	.7	.99	1.33	1.84	2.28	2.71	3.16	3.66	4.25	5.02	6.22	7.34
Jun	4.04	3.99	2.91	1986	27	8.79	1999	.58	1987	10.8	7.1	2.6	1.2	.91	1.29	1.88	2.41	2.94	3.51	4.14	4.90	5.90	7.49	8.99
Jul	3.85	3.39	3.88	1978	20	10.01	1978	1.02	1999	10.5	6.8	2.3	.9	1.12	1.49	2.04	2.52	2.98	3.46	4.00	4.63	5.44	6.71	7.90
Aug	4.07	3.37	3.00	1995	9	11.30	1979	.94	1973	10.1	6.5	3.0	1.2	1.15	1.54	2.12	2.63	3.13	3.64	4.22	4.89	5.77	7.15	8.43
Sep	3.51	3.44	3.38	1984	25	9.02	1986	.08	1979	10.0	6.1	2.3	1.0	.57	.88	1.39	1.87	2.37	2.91	3.53	4.28	5.29	6.93	8.50
Oct	2.69	2.25	2.70	1991	4	7.92	1991	.43	1975	10.1	5.4	1.6	.5	.52	.76	1.15	1.52	1.89	2.29	2.74	3.28	4.00	5.16	6.26
Nov	2.81	2.56	2.33	1952	17	5.99	1985	.39	1999	11.9	6.2	1.9	.4	.74	1.00	1.41	1.77	2.12	2.49	2.90	3.39	4.02	5.02	5.96
Dec	2.37	2.21	2.65	1982	2	4.97	1982	.61	1989	13.0	5.6	1.3	.3	.77	.99	1.33	1.61	1.88	2.16	2.47	2.83	3.29	4.01	4.68
Ann	37.05	37.05	3.88	Jul 1978	20	11.30	Aug 1979	.08	Sep 1979	136.4	74.9	23.4	7.9	28.25	30.00	32.22	33.88	35.35	36.76	38.21	39.80	41.71	44.47	46.83

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: LAKE GENEVA, WI

COOP ID: 474457

Climate Division: WI 9

NWS Call Sign:

Elevation: 880 Feet

Lat: 42°36N

Lon: 88°26W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	14.5	13.2	5	4	13.2	1978	26	33.2	1999	25	1999	15	15	1982	11.1	4.7	1.2	.4	.2	21.9	17.2	13.3	4.3
Feb	9.4	8.0	5	3	12.3	1974	6	30.9+	1994	30	1979	1	24	1979	7.0	2.8	1.0	.4	@	17.8	13.9	9.9	3.6
Mar	7.0	5.8	1	1	10.4	1972	29	24.4	1971	13	1971	19	5	1979	5.8	2.2	.7	.3	@	6.4	3.6	1.7	.2
Apr	2.4	.6	#	#	8.8	1982	5	13.9	1982	8	1982	5	1	1982	2.1	.7	.1	.1	.0	1.1	.6	.3	.0
May	.1	.0	0	0	1.0	1989	6	1.0+	1990	0	0	0	0	0	.1	.1	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	#	0	.8	1980	27	1.1	1989	1	1980	27	#+	1991	.3	.0	.0	.0	.0	@	.0	.0	.0
Nov	3.7	3.9	#	#	7.6	1997	15	10.2	1977	8	1977	27	1	1997	3.9	1.1	.3	.1	.0	2.6	.9	.3	.0
Dec	11.9	10.4	2	2	11.2	1987	15	38.5	2000	21	2000	30	11	2000	9.8	3.9	1.2	.4	@	14.2	8.1	4.4	.4
Ann	49.1	41.9	N/A	N/A	13.2	Jan 1978	26	38.5	Dec 2000	30	Feb 1979	1	24	Feb 1979	40.1	15.5	4.5	1.7	.2	64.0	44.3	29.9	8.5

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: LAKE GENEVA, WI

COOP ID: 474457

Climate Division: WI 9

NWS Call Sign:

Elevation: 880 Feet

Lat: 42°36N

Lon: 88°26W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/30	5/24	5/20	5/17	5/14	5/10	5/07	5/03	4/28
32	5/14	5/09	5/06	5/03	4/30	4/27	4/24	4/21	4/16
28	5/01	4/26	4/23	4/20	4/17	4/14	4/11	4/08	4/03
24	4/17	4/13	4/10	4/08	4/06	4/03	4/01	3/29	3/26
20	4/11	4/07	4/03	3/31	3/29	3/26	3/23	3/20	3/15
16	4/04	3/29	3/25	3/21	3/18	3/15	3/11	3/07	3/01
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/22	9/26	9/28	9/30	10/02	10/04	10/06	10/09	10/12
32	9/26	10/01	10/05	10/08	10/10	10/13	10/16	10/20	10/25
28	10/06	10/11	10/16	10/19	10/23	10/26	10/29	11/03	11/08
24	10/21	10/26	10/30	11/02	11/05	11/07	11/10	11/14	11/19
20	10/27	11/02	11/06	11/10	11/13	11/16	11/20	11/24	11/30
16	11/09	11/14	11/18	11/21	11/24	11/27	12/01	12/04	12/10
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	161	154	149	145	141	137	133	128	121
32	180	174	170	166	163	159	156	151	145
28	209	202	197	192	188	184	179	174	167
24	230	224	219	216	212	209	205	200	194
20	255	246	239	234	229	223	218	211	202
16	276	268	261	256	251	246	240	234	225

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States**
No. 20
1971-2000

Station: LAKE GENEVA, WI

COOP ID: 474457

Climate Division: WI 9 NWS Call Sign: Elevation: 880 Feet Lat: 42°36N Lon: 88°26W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1393	1114	917	524	220	30	4	15	88	393	796	1215	6709
60	1238	974	762	380	128	7	0	2	30	259	646	1060	5486
57	1145	890	669	301	86	2	0	0	13	191	558	967	4822
55	1083	834	608	252	63	1	0	0	6	151	500	905	4403
50	928	696	462	148	25	0	0	0	1	76	363	753	3452
32	425	268	89	3	0	0	0	0	0	1	53	286	1125

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	55	78	195	471	859	1125	1313	1252	974	637	247	94	7300
55	0	0	1	31	209	436	600	539	291	75	4	0	2186
57	0	0	0	20	170	378	538	477	237	52	2	0	1874
60	0	0	0	9	119	292	445	386	165	27	0	0	1443
65	0	0	0	2	56	165	295	244	73	7	0	0	842
70	0	0	0	0	20	71	159	131	22	0	0	0	403

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	9	73	268	614	880	1056	989	721	384	94	7	0	9	82	350	964	1844	2900	3889	4610	4994	5088	5095
45	0	2	35	159	461	730	901	834	571	250	45	2	0	2	37	196	657	1387	2288	3122	3693	3943	3988	3990
50	0	0	12	84	315	580	746	679	427	144	16	0	0	0	12	96	411	991	1737	2416	2843	2987	3003	3003
55	0	0	5	43	200	433	591	524	289	73	4	0	0	0	5	48	248	681	1272	1796	2085	2158	2162	2162
60	0	0	0	15	108	293	436	370	171	28	0	0	0	0	0	15	123	416	852	1222	1393	1421	1421	1421
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	3	44	159	375	573	718	662	449	220	46	2	0	3	47	206	581	1154	1872	2534	2983	3203	3249	3251

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: LAKE MILLS, WI

COOP ID: 474482

Climate Division: WI 8

NWS Call Sign:

Elevation: 852 Feet Lat: 43°05N Lon: 88°55W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	25.7	8.4	17.1	55+	1989	31	28.3	1990	-33	1951	30	3.6	1977	1487	0	.0	.0	.5	20.5	30.6	9.2
Feb	31.1	12.6	21.9	64	1999	12	34.2	1998	-31	1959	2	11.5	1978	1209	0	.0	.0	1.6	13.5	27.2	5.5
Mar	42.8	23.9	33.4	81	1986	29	41.3	2000	-18	1962	1	26.4	1975	981	0	.0	.0	9.0	4.2	25.1	.8
Apr	57.1	36.5	46.8	89	1980	22	53.1	1985	8	1982	7	41.6	1975	548	2	.0	.0	22.9	.3	11.2	.0
May	69.8	47.6	58.7	93	1978	27	66.0	1977	21	1978	1	52.7	1997	241	45	.0	.6	30.8	.0	2.5	.0
Jun	79.7	57.8	68.8	103	1988	21	72.7	1987	34+	1972	10	63.0	1982	37	150	.1	3.3	30.0	.0	.0	.0
Jul	83.8	63.2	73.5	102	1988	15	77.4	1988	43	1965	6	68.8	1992	6	269	.1	6.5	31.0	.0	.0	.0
Aug	80.6	60.6	70.6	104	1988	1	76.4	1988	41+	1986	28	66.1	1992	24	198	.1	3.1	31.0	.0	.0	.0
Sep	72.5	51.3	61.9	99	1953	1	67.1	1978	26+	1974	23	56.7	1993	132	40	.0	.6	30.0	.0	.5	.0
Oct	60.7	40.5	50.6	87+	1971	2	58.8	1971	15	1988	30	45.0	1987	450	2	.0	.0	26.9	.0	6.7	.0
Nov	43.8	28.1	36.0	75	1964	3	43.3	1999	-13	1976	29	27.9	1995	872	0	.0	.0	10.0	3.3	20.7	.2
Dec	30.5	15.9	23.2	66	1998	4	31.6	1998	-24	1983	24	11.6	2000	1295	0	.0	.0	1.1	15.6	29.4	4.5
Ann	56.5	37.2	46.9	104	Aug 1988	1	77.4	Jul 1988	-33	Jan 1951	30	3.6	Jan 1977	7282	706	.3	14.1	224.8	57.4	153.9	20.2

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

053-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: LAKE MILLS, WI

COOP ID: 474482

Climate Division: WI 8

NWS Call Sign:

Elevation: 852 Feet Lat: 43°05N

Lon: 88°55W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.43	1.27	1.44	1950	25	3.68	1979	.26	1981	9.0	4.2	.6	.1	.35	.48	.69	.88	1.06	1.25	1.47	1.73	2.06	2.59	3.09
Feb	1.22	.93	1.66	1981	22	3.31	1986	.00	1987	5.9	3.6	.5	.1	.07	.19	.38	.56	.75	.96	1.20	1.51	1.92	2.59	3.24
Mar	2.28	2.27	2.48	1959	15	4.71	1976	.33	1999	8.8	5.2	1.5	.3	.42	.62	.95	1.26	1.58	1.92	2.31	2.77	3.39	4.39	5.35
Apr	3.35	3.27	3.10	1999	23	8.88	1999	1.26	1985	11.2	6.7	2.2	.7	1.25	1.56	2.01	2.39	2.75	3.11	3.51	3.97	4.55	5.45	6.28
May	3.35	3.19	3.20	1999	17	7.57	2000	1.02	1988	11.0	7.0	2.2	.6	.99	1.31	1.78	2.20	2.60	3.01	3.48	4.02	4.72	5.82	6.84
Jun	3.91	3.68	4.00	1996	17	11.31	1996	.88	1987	10.0	6.6	2.6	1.0	.94	1.31	1.88	2.39	2.89	3.43	4.02	4.73	5.66	7.13	8.52
Jul	4.12	3.49	3.87	1950	19	9.19	1997	1.52	1973	9.7	6.7	2.7	1.3	1.58	1.97	2.51	2.97	3.40	3.84	4.31	4.87	5.57	6.65	7.63
Aug	4.61	3.95	4.93	1990	18	10.92	1980	1.31	1984	9.5	6.7	3.2	1.1	1.72	2.15	2.77	3.29	3.78	4.28	4.82	5.45	6.26	7.50	8.63
Sep	3.60	3.58	3.36	1961	13	8.52	1986	.42	1979	9.4	5.9	2.4	1.0	.58	.89	1.42	1.91	2.42	2.98	3.62	4.40	5.44	7.12	8.74
Oct	2.44	2.13	2.31	1984	19	6.04	1991	.35	1994	9.0	5.3	1.6	.3	.49	.71	1.07	1.40	1.73	2.08	2.49	2.97	3.61	4.64	5.62
Nov	2.39	2.05	2.21	1985	1	6.25	1985	.16	1976	9.3	5.5	1.8	.2	.58	.81	1.16	1.46	1.77	2.10	2.46	2.89	3.45	4.34	5.18
Dec	1.68	1.75	1.65	1971	15	3.78	1971	.27+	1998	8.4	4.3	.9	.2	.31	.46	.71	.94	1.17	1.42	1.71	2.05	2.51	3.24	3.94
Ann	34.38	35.25	4.93	Aug 1990	18	11.31	Jun 1996	.00	Feb 1987	111.2	67.7	22.2	6.9	27.07	28.54	30.39	31.78	32.99	34.16	35.35	36.65	38.22	40.47	42.39

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: LAKE MILLS, WI

COOP ID: 474482

Climate Division: WI 8

NWS Call Sign:

Elevation: 852 Feet

Lat: 43°05N

Lon: 88°55W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	10.2	9.7	5	4	8.0	1971	3	31.0	1979	35	1979	27	23	1979	6.9	3.7	1.0	.3	.0	22.0	16.5	13.5	5.5
Feb	7.0	7.0	5	4	8.0	1994	25	22.0	1974	32	1979	1	25	1979	4.8	2.6	1.0	.2	.0	18.8	14.3	9.7	4.7
Mar	5.5	4.1	1	#	10.0	1971	19	17.0	1971	13	1979	1	5	1979	3.8	1.9	.6	.2	@	7.3	4.2	2.2	.2
Apr	2.3	.0	#	0	8.0	1973	9	14.8	1997	13	1997	13	1+	1997	.8	.6	.2	.1	.0	.8	.4	.1	.0
May	.1	.0	0	0	2.0	1994	1	2.0	1994	0	0	0	0	0	.1	.1	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	#	0	1.7	1989	20	1.7	1989	#	1987	22	#	1987	.1	.1	.0	.0	.0	.0	.0	.0	.0
Nov	2.9	2.1	#	#	8.2	1995	27	12.5	1971	9	1977	28	2	1977	2.4	1.1	.3	.1	.0	2.7	.7	.4	.0
Dec	10.0	8.4	3	2	11.0	1990	3	22.4+	1987	22	2000	28	14	2000	6.1	3.1	.9	.3	.1	17.1	10.9	5.7	1.4
Ann	38.1	31.3	N/A	N/A	11.0	Dec 1990	3	31.0	Jan 1979	35	Jan 1979	27	25	Feb 1979	25.0	13.2	4.0	1.2	.1	68.7	47.0	31.6	11.8

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: LAKE MILLS, WI

COOP ID: 474482

Climate Division: WI 8

NWS Call Sign:

Elevation: 852 Feet

Lat: 43°05N

Lon: 88°55W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/01	5/27	5/23	5/19	5/16	5/13	5/10	5/06	4/30
32	5/20	5/14	5/10	5/06	5/03	4/30	4/26	4/22	4/16
28	5/13	5/06	5/01	4/26	4/22	4/18	4/14	4/09	4/02
24	4/29	4/23	4/19	4/15	4/11	4/08	4/04	3/31	3/24
20	4/12	4/07	4/04	4/02	3/30	3/28	3/25	3/22	3/18
16	4/06	3/31	3/27	3/24	3/21	3/18	3/14	3/10	3/05
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/19	9/22	9/24	9/26	9/27	9/29	10/01	10/03	10/06
32	9/23	9/27	10/01	10/04	10/07	10/09	10/12	10/16	10/21
28	10/04	10/10	10/14	10/17	10/20	10/23	10/26	10/30	11/04
24	10/15	10/21	10/24	10/28	10/31	11/03	11/06	11/10	11/15
20	10/25	10/31	11/04	11/07	11/11	11/14	11/18	11/22	11/27
16	11/07	11/12	11/16	11/20	11/23	11/26	11/29	12/03	12/09
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	150	144	140	137	134	130	127	123	117
32	176	169	164	160	156	152	147	142	135
28	209	199	192	186	180	174	168	161	150
24	223	216	210	206	202	197	193	187	180
20	249	241	235	230	225	220	215	209	201
16	272	263	257	251	246	241	236	229	220

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography
of the United States
No. 20
1971-2000

Station: LAKE MILLS, WI

COOP ID: 474482

Climate Division: WI 8 NWS Call Sign: Elevation: 852 Feet Lat: 43°05N Lon: 88°55W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1487	1209	981	548	241	37	6	24	132	450	872	1295	7282
60	1332	1069	826	406	143	9	0	5	52	306	722	1140	6010
57	1239	985	733	326	98	3	0	1	25	231	632	1047	5320
55	1177	929	672	277	73	2	0	0	13	186	573	985	4887
50	1022	789	526	171	30	0	0	0	2	97	433	831	3901
32	503	343	130	6	0	0	0	0	0	1	81	347	1411

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	39	58	172	450	827	1103	1286	1196	897	577	198	76	6879
55	0	0	1	31	188	414	573	483	221	49	1	0	1961
57	0	0	0	20	150	356	511	422	172	31	0	0	1662
60	0	0	0	9	102	272	418	333	110	14	0	0	1258
65	0	0	0	2	45	150	269	198	40	2	0	0	706
70	0	0	0	0	15	63	140	97	8	0	0	0	323

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	4	62	258	592	866	1026	948	676	345	75	5	0	4	66	324	916	1782	2808	3756	4432	4777	4852	4857
45	0	0	31	153	441	716	871	793	526	219	34	2	0	0	31	184	625	1341	2212	3005	3531	3750	3784	3786
50	0	0	12	82	302	566	716	638	381	124	10	0	0	0	12	94	396	962	1678	2316	2697	2821	2831	2831
55	0	0	3	43	186	418	561	483	250	59	3	0	0	0	3	46	232	650	1211	1694	1944	2003	2006	2006
60	0	0	0	17	98	278	407	331	140	18	0	0	0	0	0	17	115	393	800	1131	1271	1289	1289	1289
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	46	164	376	564	694	631	422	205	38	3	0	1	47	211	587	1151	1845	2476	2898	3103	3141	3144

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: LAKEWOOD 3 NE, WI

COOP ID: 474523

Climate Division: WI 3

NWS Call Sign:

Elevation: 1,290 Feet Lat: 45° 19N

Lon: 88° 30W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	22.6	1.2	11.9	52	1973	25	22.2	1990	-43	1982	17	3.1	1977	1646	0	.0	.0	.1	25.5	31.0	14.3
Feb	28.6	5.1	16.9	59	1976	24	29.3	1998	-36+	1996	4	7.0	1979	1348	0	.0	.0	.6	17.6	28.0	10.7
Mar	39.5	16.7	28.1	76+	2000	9	36.5	2000	-24	1972	3	21.0	1996	1145	0	.0	.0	5.1	7.0	29.0	4.1
Apr	54.1	29.0	41.6	93	1980	22	47.0	1987	-7	1972	5	36.0	1975	703	0	.0	@	18.8	.7	20.5	.1
May	68.6	40.5	54.6	92	1994	21	62.3	1977	18+	1974	7	47.4	1997	345	22	.0	.2	29.5	.0	7.8	.0
Jun	76.4	49.9	63.2	97	1995	19	68.1	1995	27	1980	10	57.9	1982	114	58	.0	1.3	30.0	.0	.6	.0
Jul	80.3	55.2	67.8	100	1995	15	72.5	1983	30	1972	4	61.3	1992	43	128	@	2.6	31.0	.0	@	.0
Aug	77.5	53.6	65.6	96+	2001	8	70.7	1983	31	1976	29	61.5	1997	76	93	.0	.9	31.0	.0	.2	.0
Sep	68.2	45.1	56.7	94	1998	12	61.8	1998	20	1974	23	51.5	1993	260	8	.0	.2	29.7	.0	3.2	.0
Oct	55.8	34.4	45.1	84+	1992	3	52.8	1971	8+	1976	27	40.5	1988	617	0	.0	.0	22.3	@	16.0	.0
Nov	39.1	22.6	30.9	73	1999	10	38.8	1999	-13+	1976	30	22.8	1995	1024	0	.0	.0	5.3	7.7	26.1	1.0
Dec	26.6	8.6	17.6	61+	1998	4	25.8	1997	-27+	1976	30	6.7	1976	1469	0	.0	.0	.4	21.5	30.6	8.9
Ann	53.1	30.2	41.7	100	Jul 1995	15	72.5	Jul 1983	-43	Jan 1982	17	3.1	Jan 1977	8790	309	@	5.2	203.8	80.0	193.0	39.1

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1968-2001

(3) Derived from 1971-2000 serially complete daily data

054-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: LAKEWOOD 3 NE, WI

COOP ID: 474523

Climate Division: WI 3

NWS Call Sign:

Elevation: 1,290 Feet Lat: 45°19N

Lon: 88°30W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.39	1.25	1.27	1996	19	3.51	1996	.33	1991	7.4	4.4	.7	.1	.29	.41	.62	.80	.99	1.19	1.42	1.70	2.06	2.64	3.19
Feb	1.02	.83	.95	1984	13	2.83	1981	.00	1987	5.4	3.3	.5	.0	.08	.18	.35	.50	.65	.82	1.02	1.26	1.59	2.12	2.62
Mar	2.31	2.07	2.22	1973	7	6.75	1977	.15	1978	7.5	5.3	1.6	.5	.31	.50	.83	1.15	1.49	1.86	2.29	2.82	3.54	4.71	5.83
Apr	3.00	3.15	1.97	1993	16	4.89	1993	.60	1997	9.7	6.3	1.9	.5	1.07	1.36	1.76	2.11	2.43	2.77	3.13	3.55	4.10	4.93	5.70
May	3.43	3.03	2.57	1978	28	8.80	1973	.82	1986	9.9	6.4	1.9	.8	1.00	1.33	1.82	2.24	2.66	3.09	3.56	4.12	4.85	5.98	7.03
Jun	3.83	3.44	4.07	1990	13	8.74	1990	1.30	1972	11.4	7.3	2.5	.9	1.30	1.66	2.19	2.64	3.07	3.51	4.00	4.56	5.29	6.42	7.45
Jul	3.56	2.98	3.06	2000	9	7.49	1999	.15	1998	10.6	7.2	2.2	.7	.89	1.23	1.75	2.20	2.66	3.14	3.67	4.30	5.13	6.44	7.66
Aug	3.89	3.45	4.47	1978	16	8.93	1974	1.49	1991	10.4	7.0	2.5	.9	1.47	1.83	2.35	2.78	3.19	3.61	4.07	4.59	5.26	6.29	7.23
Sep	3.92	3.87	2.62	1993	14	9.82	1994	1.00	1989	11.3	7.4	2.5	1.0	1.43	1.80	2.33	2.77	3.19	3.63	4.10	4.64	5.34	6.42	7.40
Oct	2.68	2.75	1.93	1983	12	5.51	1995	.17	2000	9.0	5.6	1.8	.5	.75	1.01	1.39	1.73	2.06	2.40	2.78	3.23	3.81	4.73	5.58
Nov	2.46	2.20	1.86	1985	2	5.87	1992	.07	1976	8.5	5.5	1.5	.5	.40	.61	.97	1.31	1.66	2.04	2.48	3.01	3.72	4.87	5.98
Dec	1.63	1.65	1.37	1975	14	3.77	1972	.14	1994	7.8	5.2	.8	.1	.37	.52	.76	.97	1.19	1.41	1.67	1.98	2.38	3.02	3.62
Ann	33.12	33.16	4.47	Aug 1978	16	9.82	Sep 1994	.00	Feb 1987	108.9	70.9	20.4	6.5	24.47	26.17	28.33	29.97	31.41	32.80	34.24	35.81	37.72	40.47	42.84

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1968-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: LAKEWOOD 3 NE, WI

COOP ID: 474523

Climate Division: WI 3

NWS Call Sign:

Elevation: 1,290 Feet

Lat: 45° 19N

Lon: 88° 30W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	15.9	11.3	13	13	13.0	1971	4	44.8	1971	31+	1979	24	23	1982	6.9	5.3	2.0	.9	.1	29.8	28.3	27.7	18.4
Feb	9.2	7.8	16	14	9.0	1974	3	23.3	1971	36	1971	5	30	1971	4.5	3.3	1.2	.4	.0	27.9	27.9	26.9	22.2
Mar	11.4	9.0	12	10	12.5	1989	4	30.5	1972	40	1972	6	29	1972	4.3	3.4	1.5	.7	.2	24.1	22.1	20.4	14.9
Apr	4.5	3.6	2	#	12.0	1977	5	21.0	1977	26	1972	2	13	1972	1.4	1.3	.5	.3	.1	5.4	4.4	3.6	2.5
May	.5	.0	#	0	6.0	1990	11	8.0	1990	4	1990	11	#+	1997	.1	.1	.1	@	.0	.1	.1	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	#	0	#	1995	23	#+	1995	#	1995	23	#	1995	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.3	#	#	0	2.0	1979	23	3.0	1992	3	1987	23	#+	1999	.2	.2	.0	.0	.0	.1	.0	.0	.0
Nov	5.0	3.5	1	1	8.0	1992	26	18.0	1991	11	1991	29	4	1991	2.7	2.4	1.0	.3	.0	7.5	3.8	1.3	.1
Dec	16.4	16.0	6	6	11.0	1985	2	33.5	1972	21	1985	2	18	1985	6.4	5.2	2.1	.6	@	27.1	22.4	17.5	7.1
Ann	63.2	51.2	N/A	N/A	13.0	Jan 1971	4	44.8	Jan 1971	40	Mar 1972	6	30	Feb 1971	26.5	21.2	8.4	3.2	.4	122.0	109.0	97.4	65.2

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: LAKEWOOD 3 NE, WI

COOP ID: 474523

Climate Division: WI 3

NWS Call Sign:

Elevation: 1,290 Feet

Lat: 45° 19N

Lon: 88° 30W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/05	6/28	6/23	6/18	6/14	6/10	6/06	6/01	5/25
32	6/17	6/11	6/06	6/02	5/30	5/26	5/23	5/18	5/12
28	5/31	5/26	5/22	5/19	5/16	5/13	5/10	5/07	5/02
24	5/11	5/07	5/03	4/30	4/28	4/25	4/22	4/19	4/14
20	4/27	4/23	4/20	4/17	4/15	4/13	4/10	4/07	4/03
16	4/21	4/16	4/13	4/10	4/07	4/05	4/02	3/29	3/25
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/17	8/23	8/28	9/01	9/05	9/09	9/13	9/17	9/24
32	9/03	9/08	9/12	9/15	9/18	9/21	9/24	9/28	10/03
28	9/14	9/19	9/22	9/25	9/28	10/01	10/04	10/07	10/12
24	9/27	10/03	10/07	10/10	10/14	10/17	10/21	10/25	10/30
20	10/09	10/15	10/20	10/24	10/28	10/31	11/05	11/09	11/16
16	10/27	11/01	11/04	11/07	11/09	11/12	11/14	11/17	11/22
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	112	101	94	88	82	76	69	62	52
32	134	126	120	115	111	106	101	95	87
28	155	148	142	138	134	130	125	120	113
24	192	184	178	173	168	164	159	153	145
20	220	212	205	200	195	190	185	178	170
16	236	229	224	219	215	211	206	201	194

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography
of the United States
No. 20
1971-2000

Station: LAKEWOOD 3 NE, WI

COOP ID: 474523

Climate Division: WI 3 NWS Call Sign: Elevation: 1,290 Feet Lat: 45°19N Lon: 88°30W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1646	1348	1145	703	345	114	43	76	260	617	1024	1469	8790
60	1491	1208	990	556	227	45	9	22	141	465	874	1314	7342
57	1398	1124	897	470	169	21	2	9	86	378	784	1221	6559
55	1336	1068	835	415	135	12	0	4	59	322	724	1159	6069
50	1181	928	681	287	69	2	0	0	17	201	575	1004	4945
32	634	447	206	26	0	0	0	0	0	8	145	481	1947

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	11	23	84	313	701	934	1107	1041	739	414	112	34	5513
55	0	0	0	12	122	256	394	331	108	15	0	0	1238
57	0	0	0	7	94	206	334	274	75	8	0	0	998
60	0	0	0	3	59	139	249	195	39	3	0	0	687
65	0	0	0	0	22	58	128	93	8	0	0	0	309
70	0	0	0	0	7	15	49	31	1	0	0	0	103

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	17	142	458	689	847	782	494	198	27	1	0	0	17	159	617	1306	2153	2935	3429	3627	3654	3655
45	0	0	4	76	312	539	692	627	349	105	10	0	0	0	4	80	392	931	1623	2250	2599	2704	2714	2714
50	0	0	0	36	191	391	537	472	217	44	1	0	0	0	0	36	227	618	1155	1627	1844	1888	1889	1889
55	0	0	0	18	107	252	383	319	116	14	0	0	0	0	0	18	125	377	760	1079	1195	1209	1209	1209
60	0	0	0	4	49	137	238	186	51	3	0	0	0	0	0	4	53	190	428	614	665	668	668	668
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	16	122	313	438	550	498	305	126	15	0	0	0	16	138	451	889	1439	1937	2242	2368	2383	2383

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: LANCASTER 4 WSW, WI

COOP ID: 474546

Climate Division: WI 7

NWS Call Sign:

Elevation: 1,040 Feet Lat: 42°50N

Lon: 90°47W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	22.5	6.3	14.4	57	1981	25	26.4	1990	-31	1963	23	.0	1977	1568	0	.0	.0	.3	22.8	30.7	10.4
Feb	29.1	12.9	21.0	64	2000	26	33.6	1998	-31+	1996	3	9.9	1979	1233	0	.0	.0	1.6	15.2	26.9	6.0
Mar	41.0	24.6	32.8	79	1998	30	40.7	1973	-22	1962	1	23.4	1975	997	0	.0	.0	8.3	5.7	24.2	1.0
Apr	55.5	36.2	45.9	95	1980	22	53.7	1977	6+	1982	7	39.3	1975	576	1	.0	.1	22.1	.4	10.4	.0
May	67.3	48.0	57.7	92	1953	30	65.1	1977	25	1989	6	51.5	1997	263	35	.0	.1	30.6	.0	1.0	.0
Jun	76.6	57.2	66.9	100+	1988	22	71.5	1971	37+	1990	4	61.3	1982	51	108	.1	1.2	30.0	.0	.0	.0
Jul	80.3	61.8	71.1	101	1955	30	74.8	1988	43+	1971	30	65.5	1992	13	200	@	3.8	31.0	.0	.0	.0
Aug	77.9	59.9	68.9	103	1988	18	75.3	1995	40+	1986	28	63.8	1992	42	163	.2	2.0	31.0	.0	.0	.0
Sep	69.6	51.4	60.5	98	1955	9	66.0	1978	27+	1984	29	55.0	1993	171	35	.0	.5	29.8	.0	.6	.0
Oct	58.1	39.7	48.9	92	1963	6	56.2	1971	15	1988	30	43.3	1988	501	1	.0	.0	26.2	@	8.0	.0
Nov	41.0	26.5	33.8	75	1964	3	41.9	1999	-15	1977	26	26.2	1976	937	0	.0	.0	9.0	5.7	22.5	.4
Dec	27.7	13.4	20.6	62+	2001	6	28.7	1998	-27+	1983	24	8.4	1983	1378	0	.0	.0	1.2	17.8	30.0	5.7
Ann	53.9	36.5	45.2	103	Aug 1988	18	75.3	Aug 1995	-31+	Feb 1996	3	.0	Jan 1977	7730	543	.3	7.7	221.1	67.6	154.3	23.5

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

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055-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: LANCASTER 4 WSW, WI

COOP ID: 474546

Climate Division: WI 7

NWS Call Sign:

Elevation: 1,040 Feet Lat: 42°50N

Lon: 90°47W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.82	.81	1.60	1969	24	1.61	1996	.15+	1981	7.0	2.8	.3	@	.19	.27	.39	.49	.60	.71	.84	.99	1.19	1.50	1.80
Feb	.98	.92	1.30	1998	27	2.95	1971	.02	1987	5.8	2.8	.6	.1	.07	.13	.25	.39	.54	.71	.92	1.19	1.56	2.19	2.82
Mar	2.19	2.05	3.60	1998	31	5.29	1998	.33	1994	8.9	5.1	1.3	.3	.44	.64	.96	1.25	1.55	1.87	2.23	2.67	3.25	4.17	5.05
Apr	3.34	2.83	2.25	1964	3	8.27	1999	1.16	1988	11.2	7.3	2.3	.6	1.24	1.55	2.00	2.37	2.73	3.09	3.49	3.95	4.53	5.44	6.26
May	3.72	3.84	3.00	1978	13	6.53	2000	.79	1992	11.1	7.5	2.7	.6	1.15	1.51	2.03	2.48	2.92	3.37	3.87	4.45	5.20	6.37	7.46
Jun	4.73	4.66	3.65	1991	15	10.39	1993	.42	1988	10.4	7.0	2.9	1.3	1.12	1.56	2.26	2.87	3.49	4.14	4.86	5.73	6.87	8.67	10.36
Jul	4.09	2.98	4.55	1950	16	9.55	1972	1.53	1975	9.9	6.9	2.8	1.1	1.20	1.59	2.17	2.68	3.17	3.68	4.25	4.92	5.78	7.13	8.39
Aug	4.59	3.72	4.50	1966	21	11.35	1981	1.37	1984	9.9	6.9	3.0	1.3	1.47	1.91	2.55	3.10	3.63	4.18	4.78	5.49	6.39	7.80	9.11
Sep	3.19	2.88	5.75	1961	13	7.58	1972	.23	1979	9.0	5.8	2.2	.7	.59	.88	1.34	1.77	2.21	2.69	3.23	3.88	4.75	6.14	7.47
Oct	2.41	2.48	1.92+	1984	17	7.31	1984	.11	1994	8.7	5.2	1.6	.6	.48	.70	1.05	1.38	1.71	2.06	2.45	2.93	3.57	4.58	5.54
Nov	2.49	1.76	2.74	1992	26	7.40	1992	.00	1976	8.9	4.9	1.5	.6	.31	.63	1.05	1.40	1.76	2.14	2.56	3.07	3.74	4.81	5.82
Dec	1.20	1.01	1.50	1970	11	2.68	1987	.20	1998	7.4	3.3	.7	@	.22	.32	.50	.66	.83	1.01	1.22	1.46	1.80	2.33	2.84
Ann	33.75	34.29	5.75	Sep 1961	13	11.35	Aug 1981	.00	Nov 1976	108.2	65.5	21.9	7.2	23.61	25.56	28.06	29.97	31.66	33.31	35.00	36.88	39.16	42.48	45.35

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

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Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: LANCASTER 4 WSW, WI

COOP ID: 474546

Climate Division: WI 7

NWS Call Sign:

Elevation: 1,040 Feet

Lat: 42°50N

Lon: 90°47W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	10.3	9.1	6	4	13.0	1986	3	24.5	1979	36	1979	31	26	1979	5.6	3.5	1.1	.4	.1	22.5	15.7	9.8	4.2
Feb	6.9	8.1	6	4	8.0	1974	22	16.0	1974	34	1979	14	30	1979	4.1	2.6	.9	.2	.0	16.7	10.2	6.5	2.1
Mar	5.9	6.0	2	1	8.0	1971	19	16.5	1972	16	1979	1	8	1979	3.3	2.2	.8	.3	.0	7.5	3.0	1.9	.2
Apr	2.6	1.5	#	#	9.0	1973	9	17.0	1973	16	1973	10	2	1973	1.2	.9	.2	.2	.0	1.4	.6	.3	.1
May	.2	.0	#	0	2.5	1994	1	2.5	1994	3	1994	1	#+	1997	.1	.1	.0	.0	.0	.1	@	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	#	0	.0	0	0	.0	0	#	1997	4	#	1997	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.3	.0	#	0	4.5	1997	27	5.5	1997	6	1997	27	#+	1997	.2	.1	@	.0	.0	.1	@	@	.0
Nov	4.0	2.0	#	#	6.5	1992	26	14.0	1971	9	1986	20	2	1996	2.6	1.6	.5	.1	.0	3.7	1.6	.8	.0
Dec	9.7	8.4	3	2	10.0	1990	3	23.6	1990	18	2000	31	13	1985	5.2	3.2	1.0	.5	@	11.7	5.5	2.4	.4
Ann	39.9	35.1	N/A	N/A	13.0	Jan 1986	3	24.5	Jan 1979	36	Jan 1979	31	30	Feb 1979	22.3	14.2	4.5	1.7	.1	63.7	36.6	21.7	7.0

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: LANCASTER 4 WSW, WI

COOP ID: 474546

Climate Division: WI 7

NWS Call Sign:

Elevation: 1,040 Feet

Lat: 42° 50N

Lon: 90° 47W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/25	5/20	5/17	5/14	5/12	5/09	5/06	5/03	4/29
32	5/13	5/08	5/05	5/02	4/29	4/26	4/23	4/20	4/15
28	4/30	4/25	4/21	4/19	4/16	4/13	4/10	4/07	4/02
24	4/18	4/15	4/12	4/10	4/08	4/06	4/04	4/01	3/29
20	4/12	4/07	4/04	4/01	3/29	3/26	3/23	3/19	3/14
16	4/06	3/31	3/27	3/24	3/20	3/17	3/13	3/09	3/04
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/18	9/22	9/24	9/27	9/29	10/01	10/03	10/06	10/10
32	9/23	9/27	9/30	10/03	10/06	10/08	10/11	10/14	10/19
28	10/02	10/07	10/11	10/14	10/17	10/20	10/23	10/27	11/01
24	10/13	10/18	10/21	10/25	10/27	10/30	11/02	11/06	11/11
20	10/25	10/30	11/02	11/05	11/08	11/10	11/13	11/16	11/21
16	10/31	11/06	11/11	11/14	11/18	11/21	11/25	11/29	12/05
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	156	150	146	143	139	136	133	129	123
32	174	169	165	162	159	156	153	149	144
28	206	198	193	188	183	179	174	168	160
24	220	214	209	205	202	198	194	190	183
20	247	238	233	228	223	218	213	208	199
16	268	259	253	247	242	236	231	224	215

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: LANCASTER 4 WSW, WI

COOP ID: 474546

Climate Division: WI 7 NWS Call Sign: Elevation: 1,040 Feet Lat: 42°50N Lon: 90°47W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1568	1233	997	576	263	51	13	42	171	501	937	1378	7730
60	1413	1093	842	432	159	13	0	11	80	354	787	1223	6407
57	1320	1009	749	350	110	5	0	4	45	274	697	1130	5693
55	1258	953	687	299	83	2	0	1	28	225	638	1068	5242
50	1103	813	542	186	36	0	0	0	6	125	495	913	4219
32	578	366	139	7	0	0	0	0	0	3	114	414	1621

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	33	58	165	422	795	1047	1210	1144	855	526	168	59	6482
55	0	0	0	23	166	360	497	432	192	36	1	0	1707
57	0	0	0	14	130	302	435	373	149	22	0	0	1425
60	0	0	0	6	86	221	342	287	95	9	0	0	1046
65	0	0	0	1	35	108	200	163	35	1	0	0	543
70	0	0	0	0	11	36	92	76	8	0	0	0	223

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	4	67	248	576	830	986	924	647	321	66	4	0	4	71	319	895	1725	2711	3635	4282	4603	4669	4673
45	0	0	33	147	423	680	831	769	499	201	27	1	0	0	33	180	603	1283	2114	2883	3382	3583	3610	3611
50	0	0	14	77	281	531	676	614	354	111	7	0	0	0	14	91	372	903	1579	2193	2547	2658	2665	2665
55	0	0	4	34	171	383	521	460	228	53	2	0	0	0	4	38	209	592	1113	1573	1801	1854	1856	1856
60	0	0	0	13	85	243	367	308	130	17	0	0	0	0	0	13	98	341	708	1016	1146	1163	1163	1163
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	40	149	341	537	662	610	392	186	35	2	0	0	40	189	530	1067	1729	2339	2731	2917	2952	2954

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: LAONA 6 SW, WI

COOP ID: 474582

Climate Division: WI 3

NWS Call Sign:

Elevation: 1,525 Feet Lat: 45°30N

Lon: 88°46W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	19.5	.7	10.1	50+	1973	26	21.2	1990	-39	1982	17	.1	1977	1702	0	.0	.0	.1	27.1	30.9	13.5
Feb	25.9	4.6	15.3	57	1976	24	29.1	1998	-39	1967	12	6.2	1979	1394	0	.0	.0	.5	19.5	27.9	9.8
Mar	36.6	15.5	26.1	74	2000	9	34.5	2000	-33	1962	1	18.3	1996	1208	0	.0	.0	3.9	9.8	28.6	4.2
Apr	51.5	28.3	39.9	90	1980	22	46.9	1987	-9	1950	6	33.7	1996	754	0	.0	@	17.2	1.2	20.2	.2
May	65.3	40.2	52.8	90	1959	2	60.1	1977	15	1967	3	44.8	1997	395	14	.0	.0	29.1	@	7.4	.0
Jun	71.6	49.4	60.5	94	1963	30	64.7	1995	25+	1964	2	53.8	1982	166	30	.0	.1	30.0	.0	.7	.0
Jul	74.9	54.4	64.7	100	1955	26	68.9	1983	29	1972	4	59.0	1992	83	73	.0	.4	31.0	.0	@	.0
Aug	72.1	52.7	62.4	93	1965	14	66.9	1995	27	1967	22	58.3	1977	128	47	.0	.1	31.0	.0	.1	.0
Sep	63.2	43.8	53.5	92	1953	1	59.5	1998	18	1949	29	48.0	1993	346	2	.0	@	28.9	.0	2.5	.0
Oct	53.3	33.6	43.5	85	1963	6	51.2	1971	0	1969	23	38.1	1988	668	0	.0	.0	20.5	.3	13.4	.0
Nov	36.3	20.7	28.5	70+	1999	9	37.4	1999	-17	1976	30	19.6	1995	1094	0	.0	.0	4.1	11.2	26.0	1.1
Dec	23.5	7.4	15.5	58+	1998	4	24.3	1994	-29	1983	19	5.3	1989	1536	0	.0	.0	.3	24.9	30.8	8.7
Ann	49.5	29.3	39.4	100	Jul 1955	26	68.9	Jul 1983	-39+	Jan 1982	17	.1	Jan 1977	9474	166	.0	.6	196.6	94.0	188.5	37.5

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

056-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: LAONA 6 SW, WI

COOP ID: 474582

Climate Division: WI 3

NWS Call Sign:

Elevation: 1,525 Feet Lat: 45°30N

Lon: 88°46W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.31	1.03	1.54	1996	18	3.01	1999	.18	1981	11.3	4.1	.3	.1	.24	.36	.55	.73	.91	1.11	1.33	1.60	1.96	2.53	3.08
Feb	.98	.88	.98	1998	2	2.96	1971	.09	1987	8.5	3.2	.3	.0	.15	.24	.38	.52	.66	.81	.98	1.20	1.48	1.95	2.39
Mar	2.00	1.71	1.75	1973	7	5.43	1977	.27	1978	9.7	5.0	1.2	.2	.35	.52	.81	1.09	1.37	1.67	2.02	2.43	2.99	3.90	4.76
Apr	2.66	2.66	1.95	1984	30	4.47	1973	.70	1971	11.9	6.5	1.7	.2	1.00	1.25	1.61	1.90	2.18	2.47	2.78	3.14	3.60	4.31	4.95
May	3.30	3.00	2.75	1954	28	6.95+	1991	.62	1986	11.9	7.4	2.0	.6	1.00	1.32	1.78	2.19	2.58	2.99	3.44	3.96	4.64	5.71	6.69
Jun	3.83	3.26	4.32	1981	14	8.46	1981	1.15	1972	12.1	8.0	2.5	.6	1.31	1.67	2.20	2.65	3.08	3.52	4.00	4.56	5.28	6.40	7.42
Jul	3.70	3.36	3.95	1949	4	8.92	1999	.59	1998	12.5	7.9	2.4	.7	1.25	1.60	2.11	2.54	2.96	3.39	3.86	4.40	5.11	6.19	7.20
Aug	3.68	3.50	2.27	1962	24	6.26	1972	1.28	1981	12.7	7.9	2.4	.7	1.64	1.97	2.42	2.79	3.14	3.48	3.86	4.28	4.82	5.63	6.37
Sep	3.84	3.97	3.12	2000	1	6.91	2000	.52	1989	12.9	7.4	2.6	.9	1.18	1.55	2.09	2.56	3.01	3.48	4.00	4.60	5.39	6.61	7.74
Oct	2.68	2.63	2.32	1986	12	4.75	1995	.51	1976	12.6	6.4	1.5	.4	1.00	1.25	1.61	1.91	2.20	2.49	2.81	3.18	3.65	4.37	5.03
Nov	2.26	1.98	1.50	1985	1	5.05	1991	.27	1976	11.6	5.4	1.5	.3	.55	.76	1.09	1.38	1.68	1.98	2.33	2.74	3.28	4.13	4.93
Dec	1.47	1.37	1.21	1959	28	3.05	1971	.22	1994	11.5	4.7	.4	@	.41	.55	.76	.94	1.12	1.31	1.52	1.77	2.09	2.59	3.06
Ann	31.71	31.17	4.32	Jun 1981	14	8.92	Jul 1999	.09	Feb 1987	139.2	73.9	18.8	4.7	23.95	25.49	27.44	28.91	30.21	31.45	32.73	34.14	35.83	38.28	40.37

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

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Climatography of the United States

No. 20

1971-2000

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Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: LAONA 6 SW, WI

COOP ID: 474582

Climate Division: WI 3

NWS Call Sign:

Elevation: 1,525 Feet

Lat: 45°30N

Lon: 88°46W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	16.9	17.3	14	13	13.5	1971	4	43.9	1971	47	1971	29	34	1971	11.9	5.5	1.5	.6	.1	30.9	30.7	29.1	21.7
Feb	10.1	8.4	17	15	8.0	1971	5	28.0	1971	56	1971	5	47	1971	8.3	3.5	.8	.4	.0	28.3	28.2	28.1	21.0
Mar	12.2	10.3	13	11	10.6	1997	14	29.8	1985	47	1972	7	32+	1972	7.2	3.8	1.3	.6	@	26.9	25.1	22.4	13.4
Apr	5.8	5.2	3	1	8.4	1993	15	21.7	1993	26	1996	4	15	1996	4.2	1.9	.6	.3	.0	8.8	6.4	4.3	1.5
May	.8	.0	#	0	6.9	1990	10	8.2	1990	6	1990	10	#+	1997	.5	.2	.1	.1	.0	.3	.1	.1	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.1	1995	22	.1	1995	0	0	0	0	0	@	.0	.0	.0	.0	.0	.0	.0	.0
Oct	1.9	1.0	#	#	6.0	1992	16	7.8	1992	4	1988	26	1	1988	1.6	.6	.2	@	.0	1.1	.3	.0	.0
Nov	8.7	7.8	1	1	9.3	1991	23	21.3	1991	11	1991	27	4	1979	7.4	3.1	.8	.2	.0	12.2	5.4	2.6	.1
Dec	16.2	17.0	7	6	12.0	1985	1	36.0	1996	21	1996	31	15	1985	10.7	5.2	1.7	.4	@	29.1	25.9	20.6	6.0
Ann	72.6	67.0	N/A	N/A	13.5	Jan 1971	4	43.9	Jan 1971	56	Feb 1971	5	47	Feb 1971	51.8	23.8	7.0	2.6	.1	137.6	122.1	107.2	63.7

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

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**Climatography
of the United States
No. 20
1971-2000**

Station: LAONA 6 SW, WI

COOP ID: 474582

Climate Division: WI 3

NWS Call Sign:

Elevation: 1,525 Feet

Lat: 45°30N

Lon: 88°46W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/01	6/25	6/20	6/16	6/12	6/09	6/05	5/31	5/25
32	6/18	6/13	6/08	6/05	6/01	5/29	5/25	5/21	5/15
28	5/31	5/26	5/21	5/18	5/15	5/11	5/08	5/03	4/28
24	5/11	5/06	5/03	4/30	4/27	4/24	4/21	4/18	4/13
20	5/02	4/27	4/24	4/20	4/18	4/15	4/11	4/08	4/03
16	4/21	4/16	4/13	4/10	4/07	4/04	4/01	3/29	3/24
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/19	8/25	8/30	9/03	9/07	9/11	9/15	9/20	9/26
32	9/03	9/08	9/12	9/15	9/17	9/20	9/23	9/27	10/01
28	9/17	9/22	9/25	9/28	10/01	10/04	10/07	10/11	10/16
24	9/29	10/05	10/09	10/12	10/16	10/19	10/22	10/27	11/01
20	10/15	10/20	10/24	10/27	10/30	11/02	11/05	11/08	11/13
16	10/22	10/27	10/31	11/03	11/06	11/09	11/12	11/16	11/21
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	115	105	98	92	86	80	74	67	56
32	129	122	116	112	108	103	99	93	86
28	162	154	148	144	139	135	130	124	116
24	196	188	181	176	171	166	160	154	145
20	217	209	204	199	194	190	185	180	172
16	235	227	221	216	212	207	203	197	189

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: LAONA 6 SW, WI

COOP ID: 474582

Climate Division: WI 3 NWS Call Sign: Elevation: 1,525 Feet Lat: 45°30N Lon: 88°46W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1702	1394	1208	754	395	166	83	128	346	668	1094	1536	9474
60	1547	1254	1053	606	266	78	23	49	211	516	944	1381	7928
57	1454	1170	960	520	202	42	9	22	143	427	854	1288	7091
55	1392	1114	898	464	165	26	4	12	105	371	794	1226	6571
50	1237	974	743	333	89	6	0	1	40	244	645	1071	5383
32	689	490	248	42	2	0	0	0	0	16	191	538	2216

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	10	20	64	279	644	854	1013	942	646	371	87	26	4956
55	0	0	0	10	94	190	304	240	61	12	0	0	911
57	0	0	0	6	69	146	246	189	38	7	0	0	701
60	0	0	0	3	40	92	167	123	16	2	0	0	443
65	0	0	0	0	14	30	73	47	2	0	0	0	166
70	0	0	0	0	3	7	18	11	0	0	0	0	39

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	19	136	428	636	782	719	451	195	25	1	0	0	19	155	583	1219	2001	2720	3171	3366	3391	3392
45	0	0	7	71	290	486	627	564	310	105	8	0	0	0	7	78	368	854	1481	2045	2355	2460	2468	2468
50	0	0	0	36	176	341	472	409	190	47	2	0	0	0	0	36	212	553	1025	1434	1624	1671	1673	1673
55	0	0	0	15	96	210	319	263	100	15	0	0	0	0	0	15	111	321	640	903	1003	1018	1018	1018
60	0	0	0	7	42	106	179	136	42	3	0	0	0	0	0	7	49	155	334	470	512	515	515	515
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	12	102	277	388	487	435	252	112	12	0	0	0	12	114	391	779	1266	1701	1953	2065	2077	2077

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: LUCK, WI

COOP ID: 474894

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,220 Feet Lat: 45°35N

Lon: 92°29W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	19.6	1.7	10.7	52	1981	24	23.8	1990	-43	1977	9	-1.2	1977	1684	0	.0	.0	.1	25.7	30.9	15.0
Feb	26.7	8.6	17.7	59	2000	29	30.8	1998	-38	1996	2	6.7	1989	1325	0	.0	.0	.4	17.3	27.6	9.6
Mar	38.5	21.0	29.8	80+	1986	31	38.7	1973	-22	1982	9	20.7	1975	1093	0	.0	.0	5.9	8.0	26.8	3.3
Apr	55.1	33.8	44.5	89	1980	21	51.5	1987	0	1975	4	37.5	1975	617	1	.0	.0	21.4	.5	15.2	@
May	68.7	46.0	57.4	89+	2001	16	64.6	1977	20	1973	15	51.7	1979	272	34	.0	.0	30.3	.0	3.0	.0
Jun	76.1	54.4	65.3	96	1987	14	70.4	1988	32+	1992	21	59.7	1982	84	91	.0	1.1	30.0	.0	.1	.0
Jul	80.5	59.2	69.9	101	1988	15	74.3	1987	39	1972	4	63.6	1992	24	174	.1	2.5	31.0	.0	.0	.0
Aug	78.0	57.6	67.8	100	1988	1	72.3	1988	33	1986	28	63.5	1977	47	134	@	1.1	31.0	.0	.0	.0
Sep	69.1	48.8	59.0	96	1976	7	64.7	1998	22	1974	22	53.2	1993	204	23	.0	.1	29.7	.0	1.8	.0
Oct	57.1	37.5	47.3	84	1997	3	52.4	1971	9	1976	27	41.1	1976	548	0	.0	.0	24.0	.2	10.7	.0
Nov	38.0	23.4	30.7	71	1978	3	39.9	1999	-21	1976	30	23.0	1991	1030	0	.0	.0	5.6	9.1	25.3	1.3
Dec	23.8	8.3	16.1	61	1998	2	25.0	1997	-44	1983	19	3.1	1983	1517	0	.0	.0	.3	23.1	30.8	10.2
Ann	52.6	33.4	43.0	101	Jul 1988	15	74.3	Jul 1987	-44	Dec 1983	19	-1.2	Jan 1977	8445	457	.1	4.8	209.7	83.9	172.2	39.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1971-2001

(3) Derived from 1971-2000 serially complete daily data

057-A

**Climatography
of the United States
No. 20
1971-2000**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: LUCK, WI

COOP ID: 474894

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,220 Feet Lat: 45°35N

Lon: 92°29W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.96	.86	1.38	1996	18	2.50	1975	.01	1981	8.1	2.9	.3	.1	.13	.21	.34	.48	.62	.77	.95	1.17	1.47	1.96	2.44
Feb	.79	.56	.86+	1981	27	3.44	1981	.08	1988	6.3	2.6	.2	.0	.09	.15	.26	.37	.49	.62	.77	.97	1.23	1.66	2.08
Mar	1.67	1.38	1.41	1977	12	4.61	1977	.27	1987	7.5	4.2	1.0	.2	.35	.51	.75	.97	1.20	1.44	1.71	2.03	2.46	3.14	3.79
Apr	2.38	2.51	2.76	2001	23	5.45	1986	.11	1987	9.1	5.8	1.5	.5	.40	.61	.96	1.28	1.62	1.98	2.40	2.91	3.58	4.68	5.73
May	3.53	3.23	3.01	1978	28	8.19	1991	.99	1976	10.6	6.9	2.3	.7	1.30	1.63	2.11	2.50	2.88	3.27	3.69	4.18	4.81	5.77	6.65
Jun	4.28	3.94	3.66	1981	14	8.51	1981	1.06	1987	11.7	7.9	3.1	.9	1.65	2.05	2.62	3.09	3.53	3.98	4.48	5.04	5.77	6.88	7.89
Jul	4.09	3.81	3.12	1972	23	11.27	1972	1.19	1981	11.3	7.2	2.8	.8	1.40	1.79	2.35	2.83	3.28	3.75	4.26	4.86	5.63	6.81	7.90
Aug	4.38	3.98	3.99	1998	20	8.49	1995	1.40	2000	11.1	7.2	3.0	1.2	1.81	2.21	2.77	3.24	3.67	4.12	4.59	5.14	5.84	6.90	7.86
Sep	3.87	3.49	3.18+	1991	8	9.39	1991	.95	2000	10.5	6.8	2.7	1.0	.98	1.34	1.90	2.40	2.89	3.41	3.99	4.67	5.57	6.99	8.32
Oct	2.65	2.36	2.48	1973	9	6.20	1971	.53	1976	9.7	5.9	1.8	.4	.70	.95	1.33	1.67	2.00	2.35	2.74	3.19	3.79	4.73	5.61
Nov	2.06	1.70	2.07	1991	1	5.50+	1991	.25	1981	8.2	4.5	1.3	.5	.26	.43	.72	1.01	1.31	1.65	2.04	2.52	3.17	4.24	5.28
Dec	.92	.80	1.19	1982	28	2.90	1982	.16	1980	8.2	2.7	.4	.1	.15	.23	.36	.49	.62	.77	.93	1.13	1.39	1.83	2.24
Ann	31.58	32.62	3.99	Aug 1998	20	11.27	Jul 1972	.01	Jan 1981	112.3	64.6	20.4	6.4	22.32	24.11	26.40	28.15	29.69	31.19	32.74	34.45	36.53	39.54	42.15

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1971-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: LUCK, WI

COOP ID: 474894

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,220 Feet

Lat: 45°35N

Lon: 92°29W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	13.6	12.0	12	12	8.0	1979	23	30.4	1975	39	1982	26	27	1997	5.6	4.8	1.8	.5	.0	27.5	26.2	22.7	16.4
Feb	8.8	8.3	11	10	8.5	1991	23	22.0	1979	43	1982	13	30	1982	4.3	3.5	1.1	.3	.0	23.0	21.9	20.2	10.8
Mar	11.1	8.8	5	2	12.0	1985	31	35.0	1985	30	1972	4	17	1989	3.2	2.9	1.6	.6	.1	11.3	8.0	5.8	2.3
Apr	3.6	2.0	#	#	9.0	1983	14	17.0	1983	12	1975	2	2	1975	1.1	1.0	.4	.2	.0	1.5	.7	.2	.0
May	.0	.0	#	0	.5	1976	2	.5	1976	3	1984	1	#	1984	@	.0	.0	.0	.0	@	@	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.7	.0	#	0	4.0	1982	20	4.0+	1992	3	1991	31	#+	1991	.3	.3	.1	.0	.0	.2	@	.0	.0
Nov	10.2	5.5	2	1	18.0	1991	1	54.0	1991	31	1991	8	15	1991	3.9	3.5	1.4	.5	.2	8.6	5.0	3.1	1.4
Dec	12.4	12.5	7	5	15.0	1982	28	22.5	1981	49	1983	30	39	1983	5.5	4.6	1.4	.5	@	23.8	18.8	13.4	6.7
Ann	60.4	49.1	N/A	N/A	18.0	Nov 1991	1	54.0	Nov 1991	49	Dec 1983	30	39	Dec 1983	23.9	20.6	7.8	2.6	.3	95.9	80.6	65.4	37.6

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: LUCK, WI

COOP ID: 474894

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,220 Feet

Lat: 45°35N

Lon: 92°29W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/13	6/07	6/03	5/31	5/27	5/24	5/20	5/16	5/10
32	5/28	5/22	5/18	5/14	5/11	5/07	5/04	4/29	4/24
28	5/16	5/11	5/07	5/04	5/01	4/28	4/24	4/20	4/15
24	5/04	4/29	4/25	4/22	4/19	4/16	4/13	4/09	4/04
20	4/23	4/19	4/15	4/13	4/10	4/07	4/05	4/01	3/28
16	4/14	4/10	4/07	4/04	4/02	3/31	3/28	3/26	3/22
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/01	9/06	9/09	9/11	9/14	9/16	9/19	9/22	9/27
32	9/11	9/15	9/19	9/21	9/24	9/26	9/29	10/02	10/06
28	9/19	9/24	9/28	10/01	10/04	10/07	10/10	10/14	10/19
24	9/29	10/05	10/09	10/13	10/16	10/19	10/23	10/27	11/02
20	10/15	10/20	10/24	10/27	10/30	11/01	11/04	11/08	11/13
16	10/19	10/25	10/30	11/02	11/06	11/09	11/13	11/17	11/23
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	129	122	117	113	109	105	101	96	90
32	157	149	144	139	135	131	126	121	113
28	178	170	165	160	156	151	146	141	133
24	204	196	190	184	179	174	169	163	154
20	220	214	209	205	202	198	194	190	183
16	241	232	226	221	217	212	207	201	193

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography
of the United States
No. 20
1971-2000

Station: LUCK, WI

COOP ID: 474894

Climate Division: WI 1 NWS Call Sign: Elevation: 1,220 Feet Lat: 45°35N Lon: 92°29W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1684	1325	1093	617	272	84	24	47	204	548	1030	1517	8445
60	1529	1185	938	473	167	29	5	12	102	398	880	1362	7080
57	1436	1101	845	391	117	13	0	4	60	313	790	1269	6339
55	1374	1045	783	340	89	7	0	1	39	262	730	1207	5877
50	1219	905	636	225	39	1	0	0	9	152	584	1052	4822
32	682	442	205	17	0	0	0	0	0	5	167	528	2046

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	21	41	135	391	785	997	1173	1110	808	479	128	35	6103
55	0	0	0	24	161	314	460	398	157	24	0	0	1538
57	0	0	0	15	127	260	398	338	118	13	0	0	1269
60	0	0	0	7	84	186	310	254	71	5	0	0	917
65	0	0	0	1	34	91	174	134	23	0	0	0	457
70	0	0	0	0	11	30	79	54	4	0	0	0	178

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	2	33	197	539	760	923	861	566	260	34	1	0	2	35	232	771	1531	2454	3315	3881	4141	4175	4176
45	0	1	11	113	391	610	768	706	423	152	13	0	0	1	12	125	516	1126	1894	2600	3023	3175	3188	3188
50	0	0	2	56	255	461	613	551	283	76	2	0	0	0	2	58	313	774	1387	1938	2221	2297	2299	2299
55	0	0	0	22	150	315	458	397	167	35	0	0	0	0	0	22	172	487	945	1342	1509	1544	1544	1544
60	0	0	0	8	72	188	311	252	84	7	0	0	0	0	0	8	80	268	579	831	915	922	922	922
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	19	136	340	483	610	560	339	153	16	0	0	1	20	156	496	979	1589	2149	2488	2641	2657	2657

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: LYNXVILLE DAM 9, WI

COOP ID: 474937

Climate Division: WI 7

NWS Call Sign:

Elevation: 633 Feet

Lat: 43° 13N

Lon: 91° 06W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	25.5	9.0	17.3	56	1981	25	29.3	1990	-43	1951	30	3.2	1977	1480	0	.0	.0	.3	20.5	30.6	9.4
Feb	31.8	15.0	23.4	63	1981	17	34.6	1998	-34	1996	3	11.5	1978	1165	0	.0	.0	1.5	13.4	26.6	5.7
Mar	43.6	27.0	35.3	82	1986	29	42.9	2000	-34	1962	1	26.9	1975	920	0	.0	.0	9.0	4.2	23.0	.7
Apr	58.4	39.4	48.9	93	1980	22	56.1	1977	11	1972	8	42.3	1975	487	5	.0	@	23.6	.2	7.4	.0
May	70.8	50.7	60.8	92	1972	22	67.9	1977	27+	1989	7	55.4	1997	192	61	.0	.2	30.8	.0	.2	.0
Jun	79.6	60.1	69.9	100	1988	21	74.4	1971	40	1972	10	64.5	1982	25	170	@	2.4	30.0	.0	.0	.0
Jul	83.6	64.9	74.3	101	1980	7	77.7	1983	46	1971	30	68.7	1992	4	290	.1	5.6	31.0	.0	.0	.0
Aug	81.2	63.0	72.1	101	1988	17	77.6	1983	44+	1986	28	67.3	1992	14	234	.1	3.0	31.0	.0	.0	.0
Sep	73.1	54.4	63.8	96	1955	9	68.3	1978	29	1984	30	58.5	1993	97	60	.0	.8	29.9	.0	.2	.0
Oct	61.2	42.7	52.0	92	1997	3	58.6	1971	18+	1988	30	46.9	1988	407	3	.0	.1	27.4	@	4.2	.0
Nov	44.0	29.3	36.7	75+	2000	1	44.4	1999	-8	1977	26	29.6	1991	851	0	.0	.0	9.3	4.2	19.3	.1
Dec	30.3	16.2	23.3	66	2001	5	30.7	1982	-29	2000	25	11.1	1985	1294	0	.0	.0	.9	15.9	29.4	4.5
Ann	56.9	39.3	48.2	101+	Aug 1988	17	77.7	Jul 1983	-43	Jan 1951	30	3.2	Jan 1977	6936	823	.2	12.1	224.7	58.4	140.9	20.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

058-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: LYNXVILLE DAM 9, WI

COOP ID: 474937

Climate Division: WI 7

NWS Call Sign:

Elevation: 633 Feet Lat: 43°13N

Lon: 91°06W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.05	.91	1.03	1967	25	3.32	1996	.03	1981	7.7	3.5	.3	.0	.20	.29	.45	.59	.73	.89	1.07	1.28	1.56	2.02	2.45
Feb	.97	1.02	1.38	1998	27	2.98	1971	.00	1987	6.3	3.1	.4	.1	.05	.14	.29	.44	.59	.76	.95	1.20	1.53	2.08	2.61
Mar	1.93	1.91	2.50	1998	31	4.21	1998	.15	1994	8.1	4.8	1.1	.3	.46	.64	.93	1.18	1.43	1.69	1.98	2.33	2.79	3.52	4.20
Apr	3.58	3.02	2.37	1984	30	6.76	1999	1.32	1988	11.3	7.3	2.4	.8	1.29	1.63	2.11	2.52	2.91	3.31	3.74	4.25	4.89	5.89	6.80
May	3.80	3.57	2.87	1971	19	6.33	1982	.89	1988	10.9	7.5	2.5	.8	1.60	1.95	2.43	2.83	3.20	3.58	3.99	4.45	5.04	5.94	6.76
Jun	4.29	3.45	4.60	2000	1	11.65	2000	.51	1988	10.4	7.1	2.6	1.1	.98	1.38	2.01	2.57	3.14	3.73	4.40	5.20	6.25	7.92	9.50
Jul	4.01	3.33	5.09	1950	16	8.98	1972	.98	1975	9.3	6.5	2.9	1.3	1.19	1.57	2.14	2.63	3.11	3.61	4.16	4.81	5.65	6.97	8.19
Aug	4.37	4.10	6.42	1951	6	10.66	1980	.80	1971	9.9	7.1	3.1	1.4	1.36	1.77	2.39	2.92	3.43	3.96	4.54	5.23	6.11	7.49	8.77
Sep	3.00	2.38	3.40	1961	30	7.47	1972	.47	1990	8.9	5.6	2.0	.8	.47	.72	1.16	1.57	2.00	2.47	3.00	3.66	4.54	5.97	7.34
Oct	2.22	2.03	1.98	1997	13	5.01	1984	.33	1975	8.2	5.0	1.4	.4	.58	.79	1.11	1.40	1.68	1.97	2.29	2.68	3.19	3.98	4.72
Nov	2.36	2.34	2.22	1982	12	6.91	1991	.02	1976	8.8	5.3	1.4	.5	.32	.51	.84	1.17	1.52	1.90	2.34	2.88	3.62	4.82	5.98
Dec	1.24	1.30	1.14	1968	19	2.76	1982	.23	1998	7.8	3.8	.6	@	.24	.35	.53	.70	.87	1.05	1.26	1.51	1.84	2.37	2.88
Ann	32.82	32.91	6.42	Aug 1951	6	11.65	Jun 2000	.00	Feb 1987	107.6	66.6	20.7	7.5	23.97	25.70	27.91	29.58	31.06	32.48	33.95	35.57	37.53	40.37	42.81

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: LYNXVILLE DAM 9, WI

COOP ID: 474937

Climate Division: WI 7

NWS Call Sign:

Elevation: 633 Feet

Lat: 43°13N

Lon: 91°06W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	10.5	7.6	7	5	11.0	1971	4	30.1	1979	24	1979	28	17	1982	5.5	4.0	1.1	.3	.1	25.5	19.5	12.5	5.7
Feb	7.7	7.7	7	7	9.0	1971	5	23.0	1994	25	1971	9	20	1971	3.8	2.7	.8	.2	.0	23.4	18.8	12.8	4.1
Mar	4.4	4.0	2	1	8.0	1998	9	13.3	1975	17	1975	12	9	1979	2.1	1.6	.6	.2	.0	9.0	6.1	4.2	1.7
Apr	1.2	.0	#	0	9.5	1973	9	14.5	1973	15	1973	10	2	1973	.3	.2	.1	.1	.0	.8	.4	.2	.1
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	#	0	1.5	1997	27	1.5	1997	1	1992	20	#	1992	.1	.1	.0	.0	.0	@	.0	.0	.0
Nov	3.0	.0	1	#	8.0	1995	28	16.0	1985	11	1991	29	4	1991	1.5	1.1	.7	.2	.0	2.8	2.0	1.2	@
Dec	6.8	5.0	4	4	12.0	1985	1	22.3	1985	22	2000	30	14	1985	5.0	3.2	.9	.3	@	19.5	13.4	7.1	3.2
Ann	33.7	24.3	N/A	N/A	12.0	Dec 1985	1	30.1	Jan 1979	25	Feb 1971	9	20	Feb 1971	18.3	12.9	4.2	1.3	.1	81.0	60.2	38.0	14.8

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: LYNXVILLE DAM 9, WI

COOP ID: 474937

Climate Division: WI 7

NWS Call Sign:

Elevation: 633 Feet

Lat: 43° 13N

Lon: 91° 06W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/14	5/10	5/07	5/04	5/01	4/29	4/26	4/23	4/18
32	5/04	4/29	4/26	4/23	4/20	4/17	4/14	4/11	4/06
28	4/25	4/21	4/18	4/15	4/13	4/10	4/07	4/04	3/31
24	4/17	4/12	4/09	4/06	4/04	4/01	3/29	3/26	3/21
20	4/10	4/04	3/31	3/28	3/25	3/22	3/18	3/14	3/09
16	4/04	3/30	3/26	3/22	3/19	3/16	3/12	3/08	3/03
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/24	9/28	10/01	10/04	10/06	10/08	10/11	10/14	10/18
32	9/29	10/04	10/08	10/12	10/15	10/18	10/22	10/26	10/31
28	10/11	10/16	10/20	10/23	10/26	10/28	10/31	11/04	11/09
24	10/25	10/29	11/02	11/04	11/07	11/09	11/12	11/15	11/20
20	10/29	11/03	11/06	11/10	11/13	11/15	11/19	11/22	11/27
16	11/07	11/13	11/17	11/20	11/23	11/26	11/30	12/04	12/09
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	173	167	163	160	157	154	150	146	141
32	199	191	186	182	177	173	169	163	156
28	218	210	204	200	195	191	186	180	173
24	237	230	225	221	217	212	208	203	196
20	254	247	241	236	232	228	223	217	210
16	271	263	258	253	248	244	239	233	225

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: LYNXVILLE DAM 9, WI

COOP ID: 474937

Climate Division: WI 7 NWS Call Sign: Elevation: 633 Feet Lat: 43°13N Lon: 91°06W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1480	1165	920	487	192	25	4	14	97	407	851	1294	6936
60	1325	1025	765	350	106	5	0	2	33	268	701	1139	5719
57	1232	941	673	276	69	2	0	0	14	197	612	1046	5062
55	1170	885	612	232	49	1	0	0	7	155	554	984	4649
50	1015	749	469	137	18	0	0	0	1	77	417	831	3714
32	507	317	100	4	0	0	0	0	0	1	82	350	1361

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	50	76	203	512	892	1135	1309	1243	953	620	221	78	7292
55	0	0	2	50	228	445	596	530	270	61	4	0	2186
57	0	0	1	34	186	386	534	468	217	41	1	0	1868
60	0	0	0	18	130	300	441	377	146	19	0	0	1431
65	0	0	0	5	61	170	290	234	60	3	0	0	823
70	0	0	0	1	22	74	155	120	16	0	0	0	388

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	5	67	297	647	899	1065	995	712	373	72	4	0	5	72	369	1016	1915	2980	3975	4687	5060	5132	5136
45	0	1	31	183	493	749	910	840	562	241	30	2	0	1	32	215	708	1457	2367	3207	3769	4010	4040	4042
50	0	1	14	96	344	599	755	685	415	138	10	0	0	1	15	111	455	1054	1809	2494	2909	3047	3057	3057
55	0	0	5	45	215	449	600	530	278	64	1	0	0	0	5	50	265	714	1314	1844	2122	2186	2187	2187
60	0	0	0	20	116	303	445	375	162	21	0	0	0	0	0	20	136	439	884	1259	1421	1442	1442	1442
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	39	172	388	590	730	670	434	199	38	2	0	1	40	212	600	1190	1920	2590	3024	3223	3261	3263

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: MADELINE ISLAND, WI

COOP ID: 474953

Climate Division: WI 2

NWS Call Sign:

Elevation: 660 Feet

Lat: 46°47N

Lon: 90°46W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	21.0	3.4	12.2	52	1981	25	21.6	1990	-35	1982	10	.3	1977	1638	0	.0	.0	.1	26.0	31.0	12.5
Feb	26.5	6.1	16.3	56	1994	19	30.8	1998	-35	1979	17	2.7	1979	1364	0	.0	.0	.4	18.8	27.9	10.0
Mar	35.4	15.7	25.6	65+	2000	8	35.0	2000	-31	1962	1	17.9	1984	1223	0	.0	.0	2.7	10.5	29.0	3.1
Apr	48.1	27.8	38.0	87+	1987	20	46.2	1987	0	1972	8	32.6	1975	813	0	.0	.0	13.4	1.3	21.1	@
May	61.2	37.7	49.5	92	1986	29	56.6	1988	18	1979	1	42.3	1979	492	10	.0	.1	27.7	.0	7.1	.0
Jun	70.6	47.2	58.9	97	1995	19	65.6+	1988	28	1976	1	52.7	1982	213	29	.0	.6	29.8	.0	.4	.0
Jul	76.6	54.5	65.6	102	1988	28	72.4	1988	35+	1979	4	59.6	1992	82	100	.1	1.1	31.0	.0	.0	.0
Aug	75.4	54.2	64.8	97	1961	14	70.0	1998	33	1976	29	59.8	1977	92	86	.0	.7	31.0	.0	.0	.0
Sep	66.7	46.2	56.5	93	1948	12	62.3	1998	26+	1976	24	51.0	1974	271	15	.0	.1	29.5	.0	.8	.0
Oct	54.6	36.1	45.4	87	1992	3	50.9	1971	17+	1996	31	39.7	1976	610	0	.0	.0	21.9	@	9.6	.0
Nov	38.2	24.7	31.5	72+	1999	9	39.5	1999	-5	1976	30	24.9	1995	1007	0	.0	.0	4.1	7.9	24.3	.3
Dec	26.1	12.3	19.2	58	1998	4	28.4	1997	-23	1976	30	7.8	1983	1419	0	.0	.0	.2	21.8	30.5	5.7
Ann	50.0	30.5	40.3	102	Jul 1988	28	72.4	Jul 1988	-35+	Jan 1982	10	.3	Jan 1977	9224	240	.1	2.6	191.8	86.3	181.7	31.6

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

059-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MADELINE ISLAND, WI

COOP ID: 474953

Climate Division: WI 2

NWS Call Sign:

Elevation: 660 Feet Lat: 46°47N

Lon: 90°46W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.64	1.45	1.42	1997	5	4.01	1975	.00+	1990	12.2	5.5	.8	.2	.00	.39	.74	.99	1.23	1.47	1.75	2.05	2.45	3.09	3.69
Feb	1.14	.99	2.00	1971	5	3.40	1971	.08	1993	8.3	3.6	.5	.1	.25	.35	.52	.67	.82	.98	1.16	1.38	1.67	2.12	2.55
Mar	2.05	1.79	3.00	1967	21	4.99	1977	.08	1999	9.2	4.6	1.1	.4	.38	.56	.86	1.14	1.42	1.73	2.08	2.50	3.06	3.96	4.82
Apr	2.40	2.38	3.00	1984	30	7.00	1991	.15	1988	8.8	5.8	1.4	.4	.42	.64	.99	1.31	1.65	2.01	2.43	2.93	3.59	4.67	5.70
May	3.29	2.82	4.73	1964	23	8.80	1985	1.04	1975	9.9	7.0	2.2	.7	1.15	1.46	1.91	2.29	2.66	3.03	3.44	3.91	4.52	5.45	6.31
Jun	4.16	3.46	6.00	1967	19	9.05	1985	.77	1995	11.9	8.1	3.0	1.1	1.40	1.79	2.37	2.86	3.33	3.81	4.34	4.95	5.75	6.97	8.11
Jul	3.98	3.51	4.40	1987	17	10.44	1987	1.15	1989	11.5	7.6	3.1	1.2	1.09	1.47	2.04	2.54	3.04	3.55	4.12	4.80	5.67	7.05	8.34
Aug	3.98	3.52	4.10	1972	16	10.06	1972	1.57	1996	10.8	7.0	2.7	1.1	1.31	1.69	2.24	2.71	3.17	3.63	4.15	4.75	5.52	6.72	7.82
Sep	3.58	3.01	4.00	1955	17	9.56	1990	.92	1976	11.7	7.4	2.3	.8	1.04	1.38	1.89	2.34	2.77	3.22	3.71	4.30	5.05	6.24	7.34
Oct	2.74	2.78	2.40	1973	9	5.71	1982	.68	1976	10.6	6.3	1.7	.5	.83	1.09	1.48	1.81	2.14	2.48	2.85	3.29	3.86	4.74	5.56
Nov	2.66	2.44	2.60	1991	2	8.35	1991	.33	1990	10.2	6.3	1.9	.5	.52	.76	1.15	1.51	1.88	2.27	2.71	3.24	3.95	5.08	6.16
Dec	1.56	1.78	2.00	1965	12	2.84	1996	.26	1994	10.9	5.0	.6	.1	.46	.61	.83	1.03	1.21	1.41	1.62	1.87	2.20	2.71	3.18
Ann	33.18	31.92	6.00	Jun 1967	19	10.44	Jul 1987	.00+	Jan 1990	126.0	74.2	21.3	7.1	23.23	25.15	27.60	29.48	31.14	32.75	34.42	36.27	38.51	41.76	44.58

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MADELINE ISLAND, WI

COOP ID: 474953

Climate Division: WI 2

NWS Call Sign:

Elevation: 660 Feet

Lat: 46°47N

Lon: 90°46W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	21.6	22.7	15	14	14.1	1997	5	40.0	1976	35	1997	6	31	1997	9.8	6.7	2.3	.9	.2	-9.9	-9.9	-9.9	-9.9
Feb	12.0	11.4	18	17	12.0	1971	5	20.8	1972	40	1971	15	33	1971	5.5	3.8	1.2	.6	.1	-9.9	-9.9	-9.9	-9.9
Mar	12.0	12.9	12	11	13.0	1976	5	30.3	1976	42	1972	10	30	1972	5.4	3.2	1.2	.5	.2	24.1	23.9	22.8	15.8
Apr	3.3	1.2	2	1	6.4	1994	29	12.2+	1996	27	1972	9	12	1972	1.7	1.1	.4	.2	.0	4.8	4.1	3.1	1.1
May	.2	.0	#	0	2.4	1997	12	2.4	1997	5	1984	1	#+	1997	.1	.1	.0	.0	.0	.1	.1	@	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.2	#	#	0	2.0	1979	23	2.0+	1982	1	1993	31	#+	2000	.4	.2	.0	.0	.0	.1	.0	.0	.0
Nov	7.3	6.8	1	1	13.0	1991	30	23.5	1975	20	1975	28	8	1991	4.0	2.7	.8	.4	.1	5.7	2.3	.9	.5
Dec	13.4	15.2	7	4	12.0	1983	15	20.8	1974	36	1985	15	34	1985	8.3	4.7	1.5	.6	.1	-9.9	-9.9	-9.9	-9.9
Ann	70.0	70.2	N/A	N/A	14.1	Jan 1997	5	40.0	Jan 1976	42	Mar 1972	10	34	Dec 1985	35.2	22.5	7.4	3.2	.7	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: MADELINE ISLAND, WI

COOP ID: 474953

Climate Division: WI 2

NWS Call Sign:

Elevation: 660 Feet

Lat: 46° 47N

Lon: 90° 46W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/23	6/18	6/14	6/11	6/08	6/05	6/02	5/29	5/24
32	6/12	6/07	6/03	5/31	5/27	5/24	5/21	5/17	5/12
28	5/26	5/20	5/16	5/12	5/09	5/05	5/02	4/28	4/22
24	5/12	5/07	5/03	4/30	4/27	4/24	4/21	4/18	4/13
20	5/01	4/25	4/20	4/17	4/13	4/10	4/06	4/02	3/27
16	4/18	4/13	4/09	4/06	4/03	3/31	3/28	3/25	3/19
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/09	9/14	9/17	9/20	9/22	9/25	9/28	10/01	10/05
32	9/19	9/24	9/27	9/29	10/02	10/04	10/07	10/10	10/14
28	9/28	10/03	10/07	10/11	10/14	10/17	10/21	10/25	10/30
24	10/16	10/21	10/24	10/27	10/30	11/01	11/04	11/08	11/12
20	10/29	11/02	11/05	11/08	11/11	11/13	11/16	11/19	11/24
16	11/03	11/08	11/12	11/15	11/18	11/21	11/25	11/28	12/04
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	127	120	114	110	106	101	97	91	84
32	147	140	135	130	127	123	118	113	106
28	182	173	167	162	157	153	148	142	133
24	206	199	194	189	185	181	176	171	164
20	235	226	220	215	211	206	201	195	187
16	253	245	238	233	228	223	218	212	203

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: MADELINE ISLAND, WI

COOP ID: 474953

Climate Division: WI 2 NWS Call Sign: Elevation: 660 Feet Lat: 46°47N Lon: 90°46W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1638	1364	1223	813	492	213	82	92	271	610	1007	1419	9224
60	1483	1224	1068	663	355	116	26	31	157	457	857	1264	7701
57	1390	1140	975	575	282	73	11	13	104	369	767	1171	6870
55	1328	1084	913	517	238	51	6	8	75	313	707	1109	6349
50	1173	944	758	379	147	17	0	0	27	190	557	954	5146
32	634	477	262	51	7	0	0	0	0	5	130	438	2004

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	19	37	62	228	547	806	1040	1018	734	418	113	41	5063
55	0	0	0	5	65	167	334	312	119	13	0	0	1015
57	0	0	0	3	47	130	277	256	87	7	0	0	807
60	0	0	0	1	27	82	198	180	51	3	0	0	542
65	0	0	0	0	10	29	100	86	15	0	0	0	240
70	0	0	0	0	1	8	35	27	3	0	0	0	74

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	7	78	322	582	812	788	519	212	29	0	0	0	7	85	407	989	1801	2589	3108	3320	3349	3349
45	0	0	0	34	192	432	657	633	371	108	10	0	0	0	0	34	226	658	1315	1948	2319	2427	2437	2437
50	0	0	0	11	101	287	502	478	235	42	1	0	0	0	0	11	112	399	901	1379	1614	1656	1657	1657
55	0	0	0	2	47	165	348	323	127	14	0	0	0	0	0	2	49	214	562	885	1012	1026	1026	1026
60	0	0	0	0	17	79	205	185	54	2	0	0	0	0	0	0	17	96	301	486	540	542	542	542
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	4	62	199	345	510	488	292	111	13	0	0	0	4	66	265	610	1120	1608	1900	2011	2024	2024

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: MADISON DANE CO AP, WI

COOP ID: 474961

Climate Division: WI 8

NWS Call Sign: MSN

Elevation: 858 Feet Lat: 43°08N Lon: 89°21W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	25.2	9.3	17.3	56	1989	31	29.0	1990	-37	1951	30	4.0	1977	1490	0	.0	.0	.4	21.1	30.1	10.0
Feb	30.8	14.3	22.6	64	2000	25	33.5	1998	-29	1996	3	11.8	1979	1203	0	.0	.0	1.4	14.4	26.5	5.9
Mar	42.8	24.6	33.7	82+	1986	29	41.0	1973	-29	1962	1	25.6	1975	978	0	.0	.0	8.8	5.0	24.7	.9
Apr	56.6	35.2	45.9	94	1980	22	52.5	1985	0	1982	7	40.3	1975	576	6	.0	@	22.0	.5	12.7	@
May	69.4	46.0	57.7	93+	1975	19	65.0	1977	19	1978	1	51.3	1997	261	33	.0	.3	30.5	.0	2.5	.0
Jun	78.3	55.7	67.0	101	1988	20	72.0	1995	31	1972	10	59.6	1982	63	123	.1	2.9	30.0	.0	@	.0
Jul	82.1	61.0	71.6	104	1976	10	75.9	1983	36	1965	6	67.2	1992	12	214	.1	5.3	31.0	.0	.0	.0
Aug	79.4	58.7	69.1	102+	1988	17	76.9	1995	35+	1968	27	64.8	1977	33	154	.1	2.8	31.0	.0	.0	.0
Sep	71.4	49.9	60.7	99	1953	1	64.9	1994	25+	1974	22	56.7	1993	183	48	.0	.6	29.9	.0	1.0	.0
Oct	59.6	38.9	49.3	90+	1976	1	55.8	1971	13	1988	30	43.5	1976	504	4	.0	.1	26.1	.0	9.5	.0
Nov	43.3	27.7	35.5	76	1964	3	42.0	1999	-8	1950	25	28.0	1976	892	0	.0	.0	9.3	4.6	21.4	.2
Dec	30.2	15.8	23.0	64	2001	5	31.3	1998	-25	1983	19	11.2	2000	1298	0	.0	.0	1.3	15.8	28.8	4.9
Ann	55.8	36.4	46.1	104	Jul 1976	10	76.9	Aug 1995	-37	Jan 1951	30	4.0	Jan 1977	7493	582	.3	12.0	221.7	61.4	157.2	21.9

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

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060-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
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Station: MADISON DANE CO AP, WI

COOP ID: 474961

Climate Division: WI 8

NWS Call Sign: MSN

Elevation: 858 Feet Lat: 43°08N

Lon: 89°21W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.25	1.21	1.15	1974	26	2.53	1996	.14	1981	11.1	3.6	.5	.1	.32	.44	.62	.78	.94	1.11	1.29	1.51	1.80	2.25	2.67
Feb	1.28	1.19	1.56	1981	22	2.76	1994	.06	1995	8.7	3.6	.4	.2	.19	.29	.48	.66	.84	1.04	1.28	1.56	1.95	2.58	3.18
Mar	2.28	2.05	2.78	1998	30	5.46	1998	.28	1978	10.6	5.2	1.4	.2	.38	.58	.91	1.22	1.55	1.89	2.29	2.78	3.42	4.47	5.47
Apr	3.35	2.97	1.91	1975	28	7.11	1973	1.52	1985	11.8	6.8	2.4	.7	1.48	1.78	2.20	2.54	2.85	3.17	3.51	3.91	4.40	5.15	5.83
May	3.25	3.14	3.64	1966	23	9.63	2000	.64	1981	11.5	6.6	2.0	.8	.86	1.17	1.64	2.05	2.46	2.89	3.36	3.92	4.66	5.81	6.89
Jun	4.05	3.42	4.51	1996	17	9.95	1978	.81	1973	10.7	6.6	2.4	1.0	.86	1.23	1.83	2.36	2.91	3.49	4.14	4.92	5.96	7.61	9.17
Jul	3.93	3.79	3.89	1975	3	9.34	1993	1.46	1976	10.5	6.3	2.5	1.1	1.58	1.94	2.46	2.88	3.28	3.68	4.12	4.62	5.26	6.24	7.14
Aug	4.33	4.31	3.40	2001	2	9.49	1980	1.63	1978	9.9	6.9	3.1	1.2	1.60	2.00	2.59	3.07	3.54	4.01	4.53	5.12	5.89	7.06	8.14
Sep	3.08	2.85	2.70	1961	12	7.84	1980	.11	1979	9.6	5.6	2.2	.8	.45	.71	1.15	1.58	2.03	2.51	3.08	3.77	4.69	6.21	7.66
Oct	2.18	1.73	2.78	1984	18	5.63	1984	.64	1975	9.3	5.0	1.2	.3	.52	.73	1.04	1.33	1.61	1.91	2.24	2.64	3.16	3.98	4.75
Nov	2.31	1.98	2.30	1971	1	5.13	1985	.11	1976	10.9	5.2	1.3	.5	.54	.76	1.09	1.40	1.70	2.02	2.38	2.80	3.36	4.25	5.09
Dec	1.66	1.61	2.19	1990	3	4.09	1987	.26	1989	10.3	4.2	.7	.2	.28	.42	.67	.89	1.13	1.38	1.67	2.02	2.49	3.25	3.98
Ann	32.95	32.98	4.51	Jun 1996	17	9.95	Jun 1978	.06	Feb 1995	124.9	65.6	20.1	7.1	24.71	26.34	28.40	29.96	31.34	32.66	34.03	35.52	37.33	39.94	42.17

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

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Station: MADISON DANE CO AP, WI

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Climate Division: WI 8

NWS Call Sign: MSN

Elevation: 858 Feet

Lat: 43°08N

Lon: 89°21W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	11.9	10.5	5	3	12.6	1995	19	27.5	1995	32	1979	28	21	1979	10.0	3.3	1.1	.5	.1	23.7	17.6	13.1	7.1
Feb	8.8	7.5	5	3	11.6	1994	23	37.0	1994	28+	1979	6	24	1979	7.6	2.6	.8	.3	@	20.8	14.8	9.7	5.8
Mar	7.3	6.6	1	2	12.0	1971	18	21.6	1993	16+	1986	1	6	1979	6.3	2.1	.5	.3	.1	9.5	5.4	3.8	.6
Apr	3.5	1.6	#	1	12.9	1973	9	17.4	1973	14	1973	10	1+	1993	2.4	1.0	.3	.1	@	1.7	.9	.4	@
May	.1	.0	#	0	3.0	1990	10	3.0	1990	4	1994	1	#	2000	.1	.0	@	.0	.0	.1	.1	.0	.0
Jun	.0	.0	#	0	.0	0	0	.0	0	0	0	0	#	1994	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.4	.0	#	0	3.8	1997	26	3.9	1997	1+	1992	20	#	1992	.5	.1	.1	.0	.0	.1	.0	.0	.0
Nov	4.8	3.9	#	0	7.6	1995	27	18.3	1985	9	1985	10	2	1985	4.8	1.7	.3	.1	.0	3.8	1.5	.5	.0
Dec	12.5	10.3	3	1	17.3	1990	3	35.0	2000	17+	1990	5	14	1985	9.0	3.4	1.1	.5	.1	18.7	11.2	5.9	2.7
Ann	49.3	40.4	N/A	N/A	17.3	Dec 1990	3	37.0	Feb 1994	32	Jan 1979	28	24	Feb 1979	40.7	14.2	4.2	1.8	.3	78.4	51.5	33.4	16.2

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

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Climatography of the United States

No. 20 1971-2000

Station: MADISON DANE CO AP, WI

COOP ID: 474961

Climate Division: WI 8

NWS Call Sign: MSN

Elevation: 858 Feet

Lat: 43°08N

Lon: 89°21W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/13	6/06	6/01	5/28	5/24	5/21	5/16	5/12	5/05
32	5/27	5/21	5/17	5/14	5/10	5/07	5/04	4/30	4/24
28	5/12	5/06	5/02	4/28	4/25	4/22	4/18	4/14	4/08
24	5/01	4/25	4/22	4/18	4/15	4/12	4/09	4/05	3/31
20	4/19	4/14	4/11	4/08	4/05	4/02	3/31	3/27	3/23
16	4/09	4/04	4/01	3/29	3/26	3/23	3/20	3/16	3/11
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/11	9/15	9/17	9/19	9/21	9/23	9/26	9/28	10/02
32	9/21	9/25	9/27	9/30	10/02	10/04	10/06	10/08	10/12
28	9/24	9/30	10/04	10/07	10/10	10/13	10/17	10/21	10/26
24	10/09	10/15	10/19	10/22	10/25	10/29	11/01	11/05	11/10
20	10/19	10/25	10/29	11/02	11/05	11/08	11/12	11/16	11/22
16	10/29	11/04	11/08	11/12	11/15	11/19	11/22	11/26	12/02
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	141	133	128	124	119	115	111	105	98
32	161	155	151	147	143	140	136	132	126
28	192	183	177	172	167	163	157	151	143
24	217	208	202	197	193	188	183	177	169
20	237	229	223	218	213	209	204	198	189
16	260	251	245	239	234	229	223	216	207

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: MADISON DANE CO AP, WI

COOP ID: 474961

Climate Division: WI 8 NWS Call Sign: MSN Elevation: 858 Feet Lat: 43°08N Lon: 89°21W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1490	1203	978	576	261	63	12	33	183	504	892	1298	7493
60	1326	1049	816	429	162	20	0	12	67	345	735	1148	6109
57	1233	965	723	346	113	9	0	4	34	266	645	1055	5393
55	1171	909	661	295	86	5	0	1	20	218	586	993	4945
50	1016	769	515	182	37	1	0	0	3	121	444	838	3926
32	502	326	120	6	0	0	0	0	0	2	83	356	1395

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	13	34	159	428	796	1049	1223	1145	856	529	173	33	6438
55	0	0	4	32	154	362	510	433	202	43	3	0	1743
57	0	0	3	23	120	307	448	372	162	30	1	0	1466
60	0	0	1	14	79	228	356	284	111	16	0	0	1089
65	0	0	0	6	33	123	214	154	48	4	0	0	582
70	0	0	0	1	9	50	99	65	17	1	0	0	242

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	7	61	232	557	820	982	910	623	305	67	5	0	7	68	300	857	1677	2659	3569	4192	4497	4564	4569
45	0	1	30	130	408	670	827	755	474	186	28	3	0	1	31	161	569	1239	2066	2821	3295	3481	3509	3512
50	0	0	12	71	269	520	672	600	333	102	9	0	0	0	12	83	352	872	1544	2144	2477	2579	2588	2588
55	0	0	4	36	157	372	517	445	211	46	2	0	0	0	4	40	197	569	1086	1531	1742	1788	1790	1790
60	0	0	0	13	81	237	362	291	117	16	0	0	0	0	0	13	94	331	693	984	1101	1117	1117	1117
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	2	42	153	351	527	656	597	384	186	41	3	0	2	44	197	548	1075	1731	2328	2712	2898	2939	2942

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: MANITOWOC, WI

COOP ID: 475017

Climate Division: WI 6

NWS Call Sign:

Elevation: 660 Feet Lat: 44°05N Lon: 87°41W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	26.5	10.8	18.7	55	1961	13	28.9	1990	-26+	1982	10	6.4	1977	1438	0	.0	.0	.1	20.2	30.4	7.3
Feb	30.4	15.3	22.9	57	1984	23	33.6	1998	-27	1996	3	13.2	1979	1180	0	.0	.0	.3	15.2	26.7	3.7
Mar	39.9	24.4	32.2	77	1986	29	39.7	2000	-18	1962	1	25.8	1996	1019	0	.0	.0	4.2	6.1	25.1	.4
Apr	52.1	34.1	43.1	90	1980	22	48.6	1987	3	1979	5	38.8	1975	657	0	.0	@	17.4	.3	11.5	.0
May	64.9	44.3	54.6	91	1969	28	60.9	1998	21	1967	8	48.4	1997	339	17	.0	@	29.7	.0	1.4	.0
Jun	74.6	53.6	64.1	97+	1988	1	69.4	1988	35	1980	10	59.0	1982	101	74	.0	1.3	30.0	.0	.0	.0
Jul	79.6	60.1	69.9	101	1995	14	74.3	1999	26	1971	7	65.0	1992	16	166	@	2.3	31.0	.0	.0	.0
Aug	77.6	59.3	68.5	100	1948	24	73.6	1995	40	1971	4	64.3	1992	32	138	.0	1.0	31.0	.0	.0	.0
Sep	69.8	51.6	60.7	97	1983	10	66.2	1998	29+	1993	30	56.0	1993	158	29	.0	.2	29.9	.0	.4	.0
Oct	57.4	40.8	49.1	89	1963	6	55.9	1971	19+	1972	19	45.0	1976	493	1	.0	.0	25.9	@	4.8	.0
Nov	43.5	29.2	36.4	74+	1999	9	42.7	1999	-7	1976	29	29.5	1976	859	0	.0	.0	7.6	3.2	19.2	.1
Dec	31.3	16.7	24.0	64+	2001	6	31.7	1982	-21	1983	24	12.0	2000	1271	0	.0	.0	.9	14.7	28.7	3.9
Ann	54.0	36.7	45.4	101	Jul 1995	14	74.3	Jul 1999	-27	Feb 1996	3	6.4	Jan 1977	7563	425	@	4.8	208.0	59.7	148.2	15.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

061-A

**Climatography
of the United States
No. 20
1971-2000**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MANITOWOC, WI

COOP ID: 475017

Climate Division: WI 6

NWS Call Sign:

Elevation: 660 Feet Lat: 44°05N

Lon: 87°41W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.83	1.54	1.75	1999	2	10.24	2000	.06	1981	7.9	4.7	.7	.2	.21	.35	.60	.86	1.13	1.43	1.79	2.23	2.84	3.83	4.80
Feb	1.24	.93	1.77	1966	8	2.79	1971	.26	1995	5.9	3.8	.8	@	.24	.35	.53	.70	.87	1.05	1.26	1.51	1.84	2.36	2.87
Mar	1.94	1.67	2.95	1998	31	5.19	1977	.12	1999	7.1	4.8	1.3	.3	.32	.49	.77	1.04	1.31	1.61	1.95	2.36	2.91	3.81	4.66
Apr	2.85	2.70	2.27	1994	25	7.65	1993	.53	1971	9.0	6.6	1.9	.5	1.01	1.27	1.66	1.99	2.31	2.63	2.98	3.39	3.91	4.72	5.46
May	2.79	2.56	2.42	1973	28	6.47	1973	.60	1981	8.8	5.5	1.9	.6	.75	1.01	1.42	1.77	2.12	2.48	2.88	3.36	3.98	4.96	5.87
Jun	3.26	3.15	3.50	1996	17	8.53	1996	.80	1989	8.9	6.3	2.2	1.0	.78	1.09	1.56	1.99	2.41	2.85	3.35	3.94	4.72	5.95	7.11
Jul	3.44	2.89	2.98	1952	18	8.12	1991	1.46	1979	8.9	6.0	2.5	.9	1.35	1.67	2.12	2.50	2.85	3.21	3.60	4.05	4.63	5.51	6.31
Aug	3.73	3.35	4.40	1975	28	9.48	1975	.76	1976	9.3	7.0	2.8	.8	1.02	1.37	1.91	2.38	2.84	3.33	3.86	4.50	5.32	6.62	7.83
Sep	3.10	2.96	3.40	1986	11	12.56	1986	.16	1979	9.2	6.1	2.0	.7	.49	.76	1.21	1.63	2.08	2.56	3.11	3.79	4.70	6.17	7.58
Oct	2.25	2.31	3.04	1954	3	5.57	1991	.16	1975	8.0	5.3	1.6	.3	.58	.80	1.12	1.41	1.70	1.99	2.33	2.72	3.23	4.04	4.80
Nov	2.30	1.95	2.10	1992	2	6.20	1985	.10	1996	7.8	5.6	1.5	.4	.39	.59	.93	1.24	1.56	1.91	2.31	2.80	3.45	4.50	5.50
Dec	1.76	1.80	2.29	1959	28	4.10	1971	.10	1993	7.6	4.6	.9	.3	.26	.41	.66	.91	1.16	1.44	1.76	2.16	2.68	3.55	4.37
Ann	30.49	30.63	4.40	Aug 1975	28	12.56	Sep 1986	.06	Jan 1981	98.4	66.3	20.1	6.0	22.29	23.89	25.94	27.49	28.86	30.18	31.54	33.04	34.85	37.48	39.74

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MANITOWOC, WI

COOP ID: 475017

Climate Division: WI 6

NWS Call Sign:

Elevation: 660 Feet

Lat: 44°05N

Lon: 87°41W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	5.7	4.1	6	6	13.0	1979	24	15.6	1971	41	1979	30	26	1979	2.8	2.2	.9	.3	.1	-9.9	-9.9	-9.9	-9.9
Feb	4.3	3.0	9	6	7.0	1993	21	10.5	1975	57	1979	21	45	1979	2.1	1.8	.6	.3	.0	-9.9	-9.9	-9.9	-9.9
Mar	5.0	2.5	2	1	7.0	1971	19	23.0	1972	13	1972	6	6	1972	1.4	1.2	.5	.2	.0	-9.9	-9.9	-9.9	-9.9
Apr	.6	.0	#	0	5.0	1980	14	6.0	1980	5	1973	10	#+	1996	.2	.2	.1	@	.0	.1	.0	.0	.0
May	#	.0	0	0	#	1980	7	#+	1980	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	#	0	.0	0	0	.0	0	#	1971	15	#	1971	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	#	.0	0	0	#	1989	31	#+	1989	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	.8	.0	#	0	4.0	1988	6	5.5	1971	6	1977	29	5	1977	.4	.4	.1	.0	.0	.4	.1	.0	.0
Dec	5.4	4.7	3	1	10.0	1971	30	16.3	1980	14+	1985	25	14	1985	1.5	1.2	.4	.3	.1	-9.9	-9.9	-9.9	-9.9
Ann	21.8	14.3	N/A	N/A	13.0	Jan 1979	24	23.0	Mar 1972	57	Feb 1979	21	45	Feb 1979	8.4	7.0	2.6	1.1	.2	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: MANITOWOC, WI

COOP ID: 475017

Climate Division: WI 6

NWS Call Sign:

Elevation: 660 Feet

Lat: 44° 05N

Lon: 87° 41W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/30	5/24	5/20	5/17	5/14	5/11	5/07	5/03	4/28
32	5/16	5/11	5/08	5/05	5/03	4/30	4/27	4/24	4/19
28	5/02	4/27	4/24	4/21	4/18	4/15	4/12	4/09	4/04
24	4/15	4/12	4/09	4/07	4/05	4/03	3/31	3/29	3/25
20	4/10	4/06	4/03	4/01	3/29	3/27	3/24	3/21	3/17
16	4/07	4/01	3/28	3/24	3/21	3/17	3/14	3/09	3/03
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/21	9/25	9/27	9/30	10/02	10/04	10/07	10/10	10/13
32	9/25	9/30	10/04	10/07	10/09	10/12	10/15	10/19	10/24
28	10/10	10/16	10/19	10/23	10/26	10/29	11/01	11/05	11/11
24	10/25	10/29	11/01	11/03	11/05	11/08	11/10	11/13	11/17
20	10/30	11/05	11/08	11/12	11/15	11/18	11/21	11/24	11/30
16	11/08	11/14	11/18	11/21	11/24	11/27	11/30	12/04	12/09
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	160	153	148	144	141	137	133	128	121
32	177	171	166	162	159	155	152	147	141
28	211	204	199	194	190	186	182	177	169
24	229	224	220	217	214	211	208	204	199
20	253	245	239	234	230	225	220	214	207
16	273	264	258	252	247	242	237	230	221

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: MANITOWOC, WI

COOP ID: 475017

Climate Division: WI 6 NWS Call Sign: Elevation: 660 Feet Lat: 44°05N Lon: 87°41W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1438	1180	1019	657	339	101	16	32	158	493	859	1271	7563
60	1283	1040	864	507	216	40	1	5	68	343	709	1116	6192
57	1190	956	771	419	156	19	0	1	35	261	619	1023	5450
55	1128	900	709	362	121	11	0	0	20	211	559	961	4982
50	973	760	555	230	56	2	0	0	3	109	415	811	3914
32	449	301	125	7	0	0	0	0	0	0	63	334	1279

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	34	45	129	340	701	963	1174	1130	860	531	194	86	6187
55	0	0	0	5	109	284	461	417	191	29	0	0	1496
57	0	0	0	3	82	232	399	356	145	17	0	0	1234
60	0	0	0	1	49	162	307	267	89	6	0	0	881
65	0	0	0	0	17	74	166	138	29	1	0	0	425
70	0	0	0	0	4	22	67	53	5	0	0	0	151

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	28	152	462	733	932	892	628	303	59	4	0	0	28	180	642	1375	2307	3199	3827	4130	4189	4193
45	0	0	7	73	314	583	777	737	478	176	23	1	0	0	7	80	394	977	1754	2491	2969	3145	3168	3169
50	0	0	1	28	189	433	622	582	336	83	6	0	0	0	1	29	218	651	1273	1855	2191	2274	2280	2280
55	0	0	0	6	95	288	467	427	208	31	0	0	0	0	0	6	101	389	856	1283	1491	1522	1522	1522
60	0	0	0	0	40	164	315	275	106	5	0	0	0	0	0	0	40	204	519	794	900	905	905	905
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	11	82	252	444	614	578	367	141	23	1	0	0	11	93	345	789	1403	1981	2348	2489	2512	2513

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: MARINETTE, WI

COOP ID: 475091

Climate Division: WI 3

NWS Call Sign:

Elevation: 610 Feet

Lat: 45°05N

Lon: 87°38W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	24.7	8.2	16.5	50	1973	26	24.7	1990	-30	1982	17	6.8	1977	1505	0	.0	.0	@	22.5	30.7	8.6
Feb	28.9	12.4	20.7	62	1999	12	31.7	1998	-30	1996	3	11.0	1979	1243	0	.0	.0	.6	15.9	27.3	5.0
Mar	39.2	22.0	30.6	77	2000	8	38.1	1973	-20	1962	1	24.3	1996	1067	0	.0	.0	5.2	5.7	26.6	1.1
Apr	52.6	33.2	42.9	90+	1962	27	49.4	1987	5	1989	9	37.3	1975	664	0	.0	.0	19.2	.4	13.5	.0
May	66.2	44.8	55.5	97	1988	30	63.1	1977	22	1966	10	47.1	1983	329	34	.0	.6	30.0	.0	2.5	.0
Jun	76.1	54.2	65.2	100+	1988	7	71.4	1988	34+	1964	2	57.9	1982	92	96	.1	2.3	30.0	.0	.0	.0
Jul	81.3	59.7	70.5	102	1988	6	74.5	1983	40+	1978	28	64.0	1992	20	190	.1	4.3	31.0	.0	.0	.0
Aug	78.5	58.1	68.3	101	1955	21	73.9	1983	34	1986	28	64.8	1977	40	142	.0	1.9	31.0	.0	.0	.0
Sep	69.4	50.4	59.9	96	1953	1	64.7	1998	23	1974	23	53.2	1974	184	32	.0	.5	29.9	.0	.9	.0
Oct	56.9	39.4	48.2	89	1963	6	55.6	1971	16+	1988	30	41.5	1988	525	2	.0	.0	25.7	.0	7.6	.0
Nov	42.3	27.5	34.9	75	1953	18	41.7	1990	-8	1950	24	28.5	1995	903	0	.0	.0	7.5	3.2	21.2	.1
Dec	29.6	15.0	22.3	62	1998	4	30.2	1998	-22	1983	23	10.6	1989	1324	0	.0	.0	.7	16.1	29.2	4.2
Ann	53.8	35.4	44.6	102	Jul 1988	6	74.5	Jul 1983	-30+	Feb 1996	3	6.8	Jan 1977	7896	496	.2	9.6	210.8	63.8	159.5	19.0

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

062-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MARINETTE, WI

COOP ID: 475091

Climate Division: WI 3

NWS Call Sign:

Elevation: 610 Feet Lat: 45°05N

Lon: 87°38W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	2.00	1.67	2.35	1996	27	8.49	1996	.00	1990	10.5	5.2	1.0	.3	.16	.38	.70	1.00	1.30	1.63	2.01	2.47	3.08	4.08	5.04
Feb	1.33	1.16	1.43	1971	23	3.30	1984	.00	1990	7.6	3.7	.5	.1	.11	.25	.47	.66	.86	1.08	1.33	1.64	2.05	2.71	3.36
Mar	2.39	2.17	1.90	2000	9	7.03	1977	.35	1978	8.9	5.2	1.7	.4	.54	.76	1.11	1.42	1.74	2.07	2.45	2.90	3.49	4.43	5.32
Apr	2.75	2.61	1.97	1968	17	4.63	1981	.57	1971	10.3	6.3	1.9	.5	1.05	1.31	1.67	1.97	2.26	2.56	2.87	3.24	3.71	4.43	5.09
May	3.06	3.09	5.17	1965	16	8.22	1973	.77	1988	10.1	6.3	2.2	.6	.97	1.26	1.69	2.06	2.41	2.78	3.19	3.66	4.27	5.22	6.10
Jun	3.60	2.98	3.31	1990	22	11.07	1996	.74	1988	10.6	6.8	1.9	1.0	.78	1.11	1.63	2.11	2.59	3.11	3.68	4.37	5.28	6.74	8.11
Jul	3.44	3.13	3.96	1991	28	7.52	1991	.87	1981	11.2	6.8	2.1	.7	1.09	1.42	1.90	2.32	2.71	3.13	3.58	4.11	4.79	5.85	6.83
Aug	3.35	3.15	5.05	1960	3	5.82	1975	1.34	1991	10.6	7.1	2.4	.5	1.62	1.91	2.30	2.62	2.91	3.20	3.51	3.86	4.30	4.97	5.57
Sep	3.53	3.36	2.78	1979	1	6.33	1983	.74	1976	11.0	6.6	2.6	.9	1.29	1.62	2.10	2.50	2.88	3.27	3.69	4.18	4.80	5.77	6.65
Oct	2.47	2.47	2.13	1995	7	5.33	1995	.38	1975	9.8	5.5	1.6	.5	.64	.87	1.23	1.54	1.85	2.18	2.55	2.98	3.54	4.43	5.26
Nov	2.69	2.40	3.36	1985	1	8.20	1985	.10	1976	9.6	5.9	1.6	.5	.43	.66	1.05	1.42	1.80	2.22	2.70	3.28	4.06	5.32	6.54
Dec	1.79	1.90	3.10	1959	28	4.06	1971	.00	1989	9.5	5.0	.9	.2	.34	.58	.88	1.13	1.36	1.61	1.87	2.19	2.60	3.23	3.83
Ann	32.40	32.56	5.17	May 1965	16	11.07	Jun 1996	.00+	Feb 1990	119.7	70.4	20.4	6.2	23.83	25.51	27.64	29.25	30.67	32.04	33.45	35.01	36.89	39.61	41.95

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MARINETTE, WI

COOP ID: 475091

Climate Division: WI 3

NWS Call Sign:

Elevation: 610 Feet

Lat: 45°05N

Lon: 87°38W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	17.5	15.4	9	9	17.0	1971	4	36.0	1971	34	1982	31	26	1982	8.1	4.8	1.7	.6	.1	29.3	25.4	21.4	12.3
Feb	11.2	9.5	10	8	8.5	1985	11	29.0	1985	35	1982	15	27	1982	5.8	3.5	1.0	.5	.0	25.9	22.3	18.3	10.4
Mar	9.7	8.3	4	2	11.0	1997	14	24.6	1972	37	1972	10	21	1972	4.0	2.4	1.1	.6	.1	12.9	10.4	7.9	3.6
Apr	2.9	1.9	#	#	8.0	1977	5	13.0	1977	12	1977	5	2	1977	1.1	.8	.4	.1	.0	1.6	.8	.4	.1
May	.1	.0	#	0	3.5	1990	10	3.5	1990	#	1997	12	#	1997	@	@	@	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	#	0	2.0	1976	19	2.3	1976	#+	1997	21	#+	1997	.1	@	.0	.0	.0	.0	.0	.0	.0
Nov	2.7	1.5	#	#	8.5	1995	27	15.5	1995	12	1995	27	2+	2000	1.7	1.1	.3	.1	.0	2.2	1.2	.5	.2
Dec	12.3	13.5	3	3	11.0	1985	1	20.1	1972	17	1996	31	12	1983	6.1	4.0	1.5	.6	.1	19.5	13.5	7.7	1.2
Ann	56.5	50.1	N/A	N/A	17.0	Jan 1971	4	36.0	Jan 1971	37	Mar 1972	10	27	Feb 1982	26.9	16.6	6.0	2.5	.3	91.4	73.6	56.2	27.8

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: MARINETTE, WI

COOP ID: 475091

Climate Division: WI 3

NWS Call Sign:

Elevation: 610 Feet

Lat: 45°05N

Lon: 87°38W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/07	6/01	5/28	5/24	5/20	5/17	5/13	5/09	5/02
32	5/19	5/15	5/12	5/10	5/07	5/05	5/03	4/30	4/26
28	5/07	5/02	4/29	4/26	4/23	4/20	4/17	4/14	4/09
24	4/28	4/23	4/19	4/16	4/13	4/10	4/07	4/04	3/30
20	4/15	4/11	4/08	4/05	4/03	3/31	3/28	3/25	3/21
16	4/11	4/06	4/02	3/30	3/28	3/25	3/22	3/18	3/13
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/09	9/14	9/17	9/20	9/23	9/26	9/29	10/03	10/08
32	9/20	9/25	9/28	10/01	10/04	10/07	10/09	10/13	10/17
28	9/30	10/06	10/11	10/14	10/18	10/22	10/26	10/30	11/05
24	10/12	10/19	10/23	10/27	10/31	11/04	11/08	11/13	11/20
20	10/24	10/30	11/03	11/06	11/10	11/13	11/16	11/20	11/26
16	11/03	11/09	11/13	11/16	11/20	11/23	11/27	12/01	12/06
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	150	141	135	130	125	120	115	109	100
32	165	160	156	152	149	145	142	138	132
28	202	193	187	182	177	173	167	161	153
24	228	218	212	206	201	195	189	183	173
20	241	234	229	224	220	216	212	207	200
16	258	251	245	241	236	232	227	222	214

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: MARINETTE, WI

COOP ID: 475091

Climate Division: WI 3 NWS Call Sign: Elevation: 610 Feet Lat: 45°05N Lon: 87°38W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1505	1243	1067	664	329	92	20	40	184	525	903	1324	7896
60	1350	1103	912	516	218	36	3	9	91	379	753	1169	6539
57	1257	1019	819	430	163	18	0	2	54	299	663	1076	5800
55	1195	963	757	375	131	11	0	1	35	250	603	1014	5335
50	1040	823	602	248	68	2	0	0	9	146	456	859	4253
32	500	351	149	13	0	0	0	0	0	3	80	362	1458

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	18	32	105	339	728	994	1193	1125	838	503	168	61	6104
55	0	0	0	11	146	315	480	412	183	37	0	0	1584
57	0	0	0	7	116	262	418	352	141	24	0	0	1320
60	0	0	0	3	78	191	328	266	89	11	0	0	966
65	0	0	0	0	34	96	190	142	32	2	0	0	496
70	0	0	0	0	13	35	89	58	7	0	0	0	202

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	22	169	508	772	955	896	611	289	55	1	0	0	22	191	699	1471	2426	3322	3933	4222	4277	4278
45	0	0	8	90	359	622	800	741	461	168	20	1	0	0	8	98	457	1079	1879	2620	3081	3249	3269	3270
50	0	0	1	41	228	472	645	586	320	85	5	0	0	0	1	42	270	742	1387	1973	2293	2378	2383	2383
55	0	0	0	16	129	328	490	431	196	33	0	0	0	0	0	16	145	473	963	1394	1590	1623	1623	1623
60	0	0	0	4	64	203	338	283	100	5	0	0	0	0	0	4	68	271	609	892	992	997	997	997
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	17	106	301	485	634	585	364	153	26	0	0	0	17	123	424	909	1543	2128	2492	2645	2671	2671

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: MARSHFIELD EXP FARM, WI

COOP ID: 475120

Climate Division: WI 5

NWS Call Sign:

Elevation: 1,250 Feet Lat: 44°38N

Lon: 90°08W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	21.2	2.1	11.7	55	1981	25	22.5	1990	-37	1963	23	-.9	1977	1654	0	.0	.0	@	23.9	30.9	12.9
Feb	27.5	7.6	17.6	58	2000	27	30.6	1998	-33+	1996	3	6.9	1979	1329	0	.0	.0	.5	16.7	27.5	7.4
Mar	39.0	19.6	29.3	80+	1986	31	38.5	2000	-28	1962	1	21.5	1975	1107	0	.0	.0	5.6	6.9	26.7	2.3
Apr	54.9	32.7	43.8	91	1980	22	50.2	1987	-1	1924	1	36.2	1975	637	1	.0	@	21.1	.5	14.9	.0
May	67.6	44.0	55.8	105	1934	31	63.1	1977	19	1966	9	49.5	1983	316	29	.0	@	30.4	.0	2.8	.0
Jun	76.9	53.7	65.3	100	1934	1	69.9	1995	26	1927	12	59.2	1982	79	88	.0	1.8	30.0	.0	@	.0
Jul	81.1	58.4	69.8	104+	1995	13	74.2	1988	38+	1972	4	65.2	1971	12	163	.1	3.5	31.0	.0	.0	.0
Aug	78.4	56.0	67.2	102+	1988	16	73.3	1995	28	1915	30	62.3	1992	57	125	.1	1.9	31.0	.0	.0	.0
Sep	69.3	46.3	57.8	97+	1985	7	63.6	1998	20+	1976	28	52.5	1974	232	16	.0	.4	29.7	.0	1.4	.0
Oct	57.7	35.4	46.6	90	1976	1	52.5	1971	1	1925	30	41.2	1987	572	0	.0	@	25.2	@	10.8	.0
Nov	40.0	22.6	31.3	80	1930	10	40.2	1999	-18	1950	24	23.8	1976	1012	0	.0	.0	6.7	6.4	24.5	.6
Dec	25.8	8.7	17.3	63	1998	4	26.4	1997	-29+	1924	28	6.3	1983	1480	0	.0	.0	.5	20.5	30.6	7.5
Ann	53.3	32.3	42.8	105	May 1934	31	74.2	Jul 1988	-37	Jan 1963	23	-.9	Jan 1977	8487	422	.2	7.6	211.7	74.9	170.1	30.7

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1913-2001

(3) Derived from 1971-2000 serially complete daily data

063-A

**Climatography
of the United States
No. 20
1971-2000**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MARSHFIELD EXP FARM, WI

COOP ID: 475120

Climate Division: WI 5

NWS Call Sign:

Elevation: 1,250 Feet Lat: 44°38N

Lon: 90°08W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.99	.80	1.12+	1996	18	2.53	1996	.06	1981	9.0	3.2	.3	@	.21	.30	.44	.58	.71	.85	1.01	1.20	1.46	1.86	2.25
Feb	.88	.71	1.25	1938	13	2.96	1971	.00	1987	6.8	2.5	.4	@	.07	.16	.30	.43	.57	.71	.88	1.08	1.36	1.81	2.24
Mar	1.95	1.92	2.30	1990	14	4.18	1990	.10	1978	8.5	4.4	1.0	.3	.35	.52	.81	1.07	1.34	1.64	1.97	2.38	2.92	3.79	4.61
Apr	2.94	2.56	2.33	1922	11	5.73	1999	.46	1997	10.3	6.4	1.9	.5	.87	1.15	1.57	1.93	2.28	2.65	3.06	3.53	4.15	5.12	6.02
May	3.70	3.14	3.96	1968	16	10.41	1973	.97	1994	11.3	6.8	2.4	1.0	1.32	1.67	2.17	2.60	3.00	3.41	3.87	4.39	5.06	6.09	7.04
Jun	4.14	3.85	4.25	1940	18	9.56	1984	.73	1983	11.1	7.6	2.7	1.1	.85	1.23	1.84	2.39	2.95	3.55	4.22	5.03	6.11	7.82	9.45
Jul	4.06	3.19	3.70	1937	4	10.51	1986	.51	1998	11.1	7.8	2.6	1.0	1.00	1.38	1.97	2.49	3.02	3.57	4.18	4.91	5.87	7.38	8.80
Aug	4.31	3.79	4.17	1926	20	9.63	1980	.71	1976	10.9	7.4	2.9	1.3	1.40	1.81	2.41	2.92	3.42	3.93	4.49	5.14	5.98	7.29	8.50
Sep	4.02	3.63	3.62	1938	9	9.80	1986	.30	1979	11.6	7.4	2.4	1.1	.72	1.07	1.66	2.21	2.77	3.37	4.06	4.90	6.01	7.81	9.52
Oct	2.49	2.54	2.29	1995	6	5.62	1984	.26	2000	9.8	5.5	1.6	.5	.71	.95	1.31	1.62	1.92	2.24	2.59	3.00	3.53	4.37	5.15
Nov	2.29	2.06	2.45	1919	10	5.75	1991	.02	1976	9.3	5.0	1.4	.5	.25	.43	.74	1.06	1.41	1.79	2.24	2.79	3.55	4.81	6.03
Dec	1.29	1.16	1.43	1972	30	3.65	1971	.26+	1994	9.0	3.6	.4	.2	.21	.32	.51	.69	.87	1.07	1.29	1.57	1.94	2.54	3.11
Ann	33.06	33.95	4.25	Jun 1940	18	10.51	Jul 1986	.00	Feb 1987	118.7	67.6	20.0	7.5	24.49	26.17	28.32	29.93	31.36	32.74	34.15	35.71	37.60	40.32	42.66

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1913-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MARSHFIELD EXP FARM, WI

COOP ID: 475120

Climate Division: WI 5

NWS Call Sign:

Elevation: 1,250 Feet

Lat: 44°38N

Lon: 90°08W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	9.5	9.5	8	8	10.5	1971	4	26.7	1971	22+	1971	31	17+	1972	6.1	3.4	1.3	.4	@	27.4	25.6	22.4	9.4
Feb	7.6	8.0	7	5	10.0	1971	5	17.9	1971	36+	1971	15	30	1971	4.5	2.8	1.0	.2	@	23.9	21.2	17.3	7.8
Mar	9.1	7.8	2	1	12.0	1997	14	27.0	1989	17+	1997	15	9	1979	3.7	2.9	1.2	.5	@	11.4	7.0	4.7	1.2
Apr	3.0	2.0	#	0	6.0	1973	9	11.0	1993	4+	1993	11	1+	1994	1.8	1.2	.4	@	.0	1.0	.5	.0	.0
May	#	.0	#	0	#	1997	1	#+	1997	#	1997	1	#	2000	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	#	0	.0	0	0	.0	0	0	0	0	#	1988	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.6	.0	#	0	3.5	1990	10	5.5	1990	2+	1995	21	#	1995	.3	.3	.1	.0	.0	.1	.0	.0	.0
Nov	5.1	3.5	1	0	9.0	1991	24	21.0	1991	10+	1971	30	2+	2000	2.8	1.8	.6	.2	.0	3.7	2.2	1.2	.2
Dec	10.8	9.2	4	0	10.0	1985	1	27.8	1972	16+	1978	31	10	1978	6.1	4.0	1.3	.6	@	23.7	18.2	11.0	2.6
Ann	45.7	40.0	N/A	N/A	12.0	Mar 1997	14	27.8	Dec 1972	36+	Feb 1971	15	30	Feb 1971	25.3	16.4	5.9	1.9	@	91.2	74.7	56.6	21.2

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: MARSHFIELD EXP FARM, WI

COOP ID: 475120

Climate Division: WI 5

NWS Call Sign:

Elevation: 1,250 Feet

Lat: 44°38N

Lon: 90°08W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/13	6/07	6/03	5/30	5/26	5/23	5/19	5/15	5/09
32	5/27	5/22	5/18	5/15	5/12	5/09	5/06	5/02	4/27
28	5/17	5/10	5/05	5/01	4/27	4/24	4/19	4/15	4/08
24	4/27	4/22	4/19	4/16	4/14	4/11	4/08	4/05	4/01
20	4/16	4/12	4/09	4/06	4/04	4/02	3/30	3/27	3/23
16	4/13	4/08	4/05	4/02	3/30	3/27	3/24	3/20	3/15
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/21	8/28	9/02	9/07	9/11	9/15	9/19	9/24	10/02
32	9/16	9/20	9/23	9/25	9/28	9/30	10/02	10/05	10/09
28	9/23	9/28	10/01	10/04	10/07	10/09	10/12	10/16	10/20
24	10/01	10/08	10/13	10/17	10/21	10/24	10/29	11/02	11/09
20	10/14	10/19	10/24	10/27	10/30	11/03	11/06	11/11	11/16
16	10/26	10/31	11/04	11/08	11/11	11/14	11/18	11/22	11/27
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	135	125	118	112	107	101	95	88	78
32	157	151	146	142	138	134	130	125	119
28	187	178	172	167	162	157	151	145	136
24	217	208	201	195	189	184	178	171	161
20	228	221	217	212	209	205	201	196	189
16	249	241	235	230	226	221	216	210	202

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: MARSHFIELD EXP FARM, WI

COOP ID: 475120

Climate Division: WI 5 NWS Call Sign: Elevation: 1,250 Feet Lat: 44°38N Lon: 90°08W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1654	1329	1107	637	316	79	12	57	232	572	1012	1480	8487
60	1499	1189	952	491	204	28	2	16	122	421	862	1325	7111
57	1406	1105	859	407	150	12	0	6	73	335	772	1232	6357
55	1344	1049	797	355	118	7	0	2	49	282	712	1170	5885
50	1189	909	646	236	58	1	0	0	13	169	565	1015	4801
32	650	434	204	17	0	0	0	0	0	6	150	496	1957

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	19	30	120	371	736	999	1171	1091	774	457	128	39	5935
55	0	0	0	19	142	316	458	380	133	21	0	0	1469
57	0	0	0	11	111	261	396	321	97	12	0	0	1209
60	0	0	0	5	72	186	304	239	56	4	0	0	866
65	0	0	0	1	29	88	163	125	16	0	0	0	422
70	0	0	0	0	10	28	69	50	3	0	0	0	160

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	33	205	531	773	932	867	581	271	37	2	0	0	33	238	769	1542	2474	3341	3922	4193	4230	4232
45	0	0	15	118	384	623	777	712	434	158	18	0	0	0	15	133	517	1140	1917	2629	3063	3221	3239	3239
50	0	0	6	56	248	473	622	557	296	79	2	0	0	0	6	62	310	783	1405	1962	2258	2337	2339	2339
55	0	0	0	21	144	328	467	402	176	34	0	0	0	0	0	21	165	493	960	1362	1538	1572	1572	1572
60	0	0	0	8	70	204	313	253	92	8	0	0	0	0	0	8	78	282	595	848	940	948	948	948
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	25	140	336	496	616	563	358	162	21	0	0	0	25	165	501	997	1613	2176	2534	2696	2717	2717

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: MATHER 3 NW, WI

COOP ID: 475164

Climate Division: WI 4

NWS Call Sign:

Elevation: 970 Feet Lat: 44° 11N

Lon: 90° 22W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	22.9	2.8	12.9	58	1981	26	25.7	1990	-43	1951	30	.9	1977	1616	0	.0	.0	.2	24.1	30.9	14.1
Feb	29.5	8.4	19.0	60	2000	24	31.2	1998	-37+	1996	3	8.1	1979	1290	0	.0	.0	1.0	16.4	27.6	9.4
Mar	40.6	20.2	30.4	84	1986	30	39.5	1973	-37	1962	1	23.4	1996	1073	0	.0	.0	6.4	7.4	27.2	2.8
Apr	55.4	32.5	44.0	92	1952	30	51.3	1977	3	1954	3	38.2	1975	633	0	.0	@	19.7	.7	16.2	.0
May	68.9	43.4	56.2	93	1967	27	66.0	1977	22	1989	7	49.7	1983	306	31	.0	.3	30.0	.0	3.3	.0
Jun	77.3	52.5	64.9	100	1988	22	69.7	1971	31+	1972	10	58.0	1982	85	81	@	2.0	30.0	.0	.1	.0
Jul	81.3	57.1	69.2	103	1995	14	73.2	1983	39+	1983	6	63.7	1992	25	155	@	3.5	31.0	.0	.0	.0
Aug	78.9	54.9	66.9	107	1948	24	72.8	1995	30+	1979	15	62.8	1992	54	112	.1	1.9	31.0	.0	@	.0
Sep	70.2	45.8	58.0	96	1978	9	62.5	1998	18	1949	29	52.2	1993	224	14	.0	.4	29.7	.0	1.9	.0
Oct	58.2	35.1	46.7	91+	1976	2	54.6	1971	8	1988	30	41.2	1987	569	0	.0	@	24.1	.0	12.9	.0
Nov	41.5	23.4	32.5	78	1950	1	40.0	1999	-12	1977	27	25.0	1995	977	0	.0	.0	7.7	6.8	24.8	.9
Dec	27.8	9.6	18.7	62+	2001	6	26.5+	1998	-29	1983	19	7.1	1985	1435	0	.0	.0	.8	19.8	30.4	8.3
Ann	54.4	32.1	43.3	107	Aug 1948	24	73.2	Jul 1983	-43	Jan 1951	30	.9	Jan 1977	8287	393	.1	8.1	211.6	75.2	175.3	35.5

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

064-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MATHER 3 NW, WI

COOP ID: 475164

Climate Division: WI 4

NWS Call Sign:

Elevation: 970 Feet

Lat: 44°11N

Lon: 90°22W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.11	1.03	1.15	1988	20	2.84	1980	.00	1981	7.3	3.9	.4	.1	.25	.41	.59	.74	.88	1.02	1.17	1.35	1.58	1.93	2.26
Feb	.84	.67	1.09	1959	23	2.54	1971	.02	1987	5.6	2.7	.4	.0	.11	.17	.29	.41	.53	.67	.83	1.03	1.29	1.73	2.16
Mar	2.03	1.83	1.51	1966	23	4.20	1977	.21	1978	7.7	5.2	1.4	.2	.45	.64	.94	1.20	1.47	1.76	2.08	2.47	2.97	3.78	4.54
Apr	3.18	3.11	2.47	1994	25	5.92	1973	.58	1997	10.8	6.9	1.9	.5	1.03	1.33	1.77	2.15	2.52	2.90	3.32	3.80	4.43	5.40	6.31
May	3.48	3.49	3.05	1989	30	7.74	1973	1.00	1986	10.3	6.9	2.4	.8	1.31	1.63	2.10	2.48	2.85	3.23	3.64	4.11	4.72	5.64	6.49
Jun	4.25	3.83	4.70	1986	27	10.63	1998	.75	1983	10.6	7.8	2.7	1.2	1.05	1.44	2.06	2.61	3.16	3.73	4.37	5.14	6.14	7.72	9.20
Jul	4.65	3.95	4.22	1999	9	15.84	1999	1.60	1985	10.2	7.4	3.0	1.3	1.64	2.08	2.72	3.25	3.76	4.28	4.85	5.52	6.37	7.68	8.89
Aug	4.62	3.55	5.55	1975	23	13.79	1980	1.17	1976	11.1	7.8	3.0	1.1	1.24	1.68	2.35	2.93	3.51	4.11	4.78	5.57	6.60	8.21	9.72
Sep	3.83	2.67	3.35	1992	16	10.99	1986	.36	1979	9.8	6.9	2.3	1.0	.63	.96	1.52	2.04	2.59	3.18	3.85	4.67	5.77	7.56	9.26
Oct	2.33	2.35	2.52	1995	6	5.18	1995	.48	2000	8.5	5.3	1.5	.4	.69	.91	1.24	1.52	1.80	2.09	2.41	2.79	3.28	4.04	4.75
Nov	2.38	2.13	2.05	1984	1	4.56+	1991	.10	1976	8.6	5.5	1.6	.4	.43	.64	.99	1.31	1.64	2.00	2.41	2.91	3.56	4.62	5.64
Dec	1.31	1.11	1.61	1975	14	3.13	1984	.27	1980	7.4	3.8	.5	.1	.23	.35	.54	.72	.90	1.10	1.32	1.59	1.95	2.53	3.08
Ann	34.01	34.54	5.55	Aug 1975	23	15.84	Jul 1999	.00	Jan 1981	107.9	70.1	21.1	7.1	25.95	27.55	29.58	31.10	32.44	33.73	35.05	36.50	38.25	40.76	42.92

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
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Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MATHER 3 NW, WI

COOP ID: 475164

Climate Division: WI 4

NWS Call Sign:

Elevation: 970 Feet

Lat: 44° 11N

Lon: 90° 22W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	11.9	11.5	8	8	16.5	1971	4	27.5	1971	26	1971	4	22	1982	5.7	4.2	1.6	.6	.2	-9.9	-9.9	-9.9	-9.9
Feb	8.0	7.7	9	6	9.2	1971	5	22.0	1971	32	1971	5	28	1971	3.7	2.7	1.0	.3	.0	-9.9	-9.9	-9.9	-9.9
Mar	7.8	6.4	4	1	16.0	1997	14	22.5	1989	24	1971	4	17	1971	3.3	2.7	1.2	.6	.1	9.2	7.6	5.8	3.2
Apr	2.2	.7	#	0	6.0	1973	9	10.0	1973	9	1973	10	1	1993	1.1	.6	.3	@	.0	1.4	.6	.3	.0
May	.0	.0	0	0	1.0	1997	1	1.0	1997	0	0	0	0	0	@	@	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.4	.0	#	0	3.0	1990	11	3.5	1990	1	1976	19	#	1976	.3	.2	.1	.0	.0	@	.0	.0	.0
Nov	4.4	3.6	1	#	18.0	1991	24	18.0	1991	20	1991	27	5	1991	2.4	2.0	.7	.2	@	2.7	1.8	.7	.0
Dec	8.6	6.8	4	2	9.0	1990	18	20.4	1972	24+	2000	29	17	1985	4.8	3.5	1.5	.3	.0	-9.9	-9.9	-9.9	-9.9
Ann	43.3	36.7	N/A	N/A	18.0	Nov 1991	24	27.5	Jan 1971	32	Feb 1971	5	28	Feb 1971	21.3	15.9	6.4	2.0	.3	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: MATHER 3 NW, WI

COOP ID: 475164

Climate Division: WI 4

NWS Call Sign:

Elevation: 970 Feet

Lat: 44° 11N

Lon: 90° 22W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/14	6/09	6/05	6/01	5/29	5/26	5/23	5/19	5/13
32	5/29	5/23	5/20	5/16	5/13	5/10	5/07	5/03	4/28
28	5/10	5/05	5/02	4/29	4/26	4/24	4/21	4/17	4/13
24	4/28	4/23	4/20	4/17	4/14	4/12	4/09	4/05	4/01
20	4/17	4/13	4/11	4/09	4/07	4/05	4/03	3/31	3/28
16	4/11	4/07	4/03	3/31	3/28	3/26	3/23	3/19	3/14
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/01	9/06	9/09	9/12	9/15	9/18	9/21	9/24	9/29
32	9/09	9/15	9/19	9/22	9/26	9/29	10/02	10/06	10/12
28	9/24	9/29	10/02	10/05	10/08	10/10	10/13	10/17	10/21
24	10/06	10/12	10/16	10/19	10/22	10/25	10/29	11/02	11/07
20	10/19	10/23	10/26	10/29	11/01	11/03	11/06	11/09	11/14
16	10/26	11/01	11/05	11/08	11/11	11/14	11/18	11/22	11/27
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	129	122	117	112	108	104	100	94	87
32	157	149	144	139	134	130	125	120	112
28	184	177	172	168	164	160	155	150	143
24	212	205	199	195	190	186	181	176	168
20	224	218	214	210	207	204	200	196	191
16	251	243	237	232	227	222	217	211	203

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States**
No. 20
1971-2000

Station: MATHER 3 NW, WI

COOP ID: 475164

Climate Division: WI 4 NWS Call Sign: Elevation: 970 Feet Lat: 44° 11N Lon: 90° 22W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1616	1290	1073	633	306	85	25	54	224	569	977	1435	8287
60	1461	1150	918	486	196	30	5	13	114	420	827	1280	6900
57	1368	1066	825	401	142	13	0	4	68	336	737	1187	6147
55	1306	1010	763	347	112	7	0	1	45	283	677	1125	5676
50	1151	870	612	226	54	1	0	0	12	171	532	970	4599
32	617	404	177	12	0	0	0	0	0	7	133	460	1810

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	24	38	127	370	748	986	1153	1081	780	460	146	48	5961
55	0	0	0	15	147	303	440	369	135	24	0	0	1433
57	0	0	0	9	115	249	378	310	98	14	0	0	1173
60	0	0	0	4	76	176	289	226	54	6	0	0	831
65	0	0	0	0	31	81	155	112	14	0	0	0	393
70	0	0	0	0	10	24	64	40	2	0	0	0	140

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	41	194	509	754	915	841	549	247	45	3	0	0	41	235	744	1498	2413	3254	3803	4050	4095	4098
45	0	0	16	110	365	604	760	686	404	146	20	0	0	0	16	126	491	1095	1855	2541	2945	3091	3111	3111
50	0	0	7	53	239	455	605	531	267	74	5	0	0	0	7	60	299	754	1359	1890	2157	2231	2236	2236
55	0	0	3	27	136	315	450	378	156	28	0	0	0	0	3	30	166	481	931	1309	1465	1493	1493	1493
60	0	0	0	9	69	186	298	234	81	7	0	0	0	0	0	9	78	264	562	796	877	884	884	884
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	27	134	321	479	595	543	341	157	29	0	0	0	27	161	482	961	1556	2099	2440	2597	2626	2626

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: MAUSTON 1 SE, WI

COOP ID: 475178

Climate Division: WI 5

NWS Call Sign:

Elevation: 865 Feet

Lat: 43°47N

Lon: 90°04W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	24.9	3.8	14.4	56+	1981	25	28.3	1990	-36	1963	15	-.5	1977	1571	0	.0	.0	.5	22.2	30.8	12.4
Feb	31.1	8.8	20.0	64	1984	22	31.9	1998	-34	1996	3	7.1	1978	1262	0	.0	.0	1.5	14.2	27.3	7.8
Mar	42.5	20.9	31.7	84	1986	29	40.6	2000	-35	1962	1	23.4	1975	1032	0	.0	.0	8.2	4.9	26.4	1.9
Apr	57.0	33.4	45.2	91	1980	22	51.6	1985	5	1977	6	37.7	1975	594	1	.0	.1	21.7	.3	13.5	.0
May	69.5	44.4	57.0	94	1972	20	62.0	1998	18	1978	1	50.5	1983	279	30	.0	.4	30.5	.0	2.7	.0
Jun	78.4	53.8	66.1	100	1988	20	70.7	1984	32+	1977	9	59.8	1982	75	107	@	2.4	30.0	.0	.1	.0
Jul	82.1	58.7	70.4	103	1995	14	74.6	1999	41+	1972	5	65.2	1992	17	185	@	4.6	31.0	.0	.0	.0
Aug	79.4	56.1	67.8	102+	1988	17	73.8	1995	33+	1965	29	62.3	1977	53	138	.1	1.9	31.0	.0	.0	.0
Sep	71.0	47.2	59.1	99	1955	9	65.3	1998	20+	1974	23	53.0	1974	209	31	.0	.6	29.8	.0	1.6	.0
Oct	59.9	35.8	47.9	90+	1976	1	55.3	1971	9	1976	27	40.1	1976	533	1	.0	@	26.3	@	11.3	.0
Nov	43.1	24.0	33.6	76	1964	3	42.2	1999	-18	1977	26	23.5	1976	944	0	.0	.0	8.6	4.5	23.3	.6
Dec	29.8	11.2	20.5	63+	2001	6	29.5	1998	-30	1983	19	7.8	1983	1380	0	.0	.0	1.2	17.3	30.0	6.7
Ann	55.7	33.2	44.5	103	Jul 1995	14	74.6	Jul 1999	-36	Jan 1963	15	-.5	Jan 1977	7949	493	.1	10.0	220.3	63.4	167.0	29.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

065-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MAUSTON 1 SE, WI

COOP ID: 475178

Climate Division: WI 5

NWS Call Sign:

Elevation: 865 Feet Lat: 43°47N

Lon: 90°04W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.15	1.02	1.15	1980	16	3.10	1996	.13	1981	7.3	3.5	.3	.1	.22	.32	.49	.65	.80	.97	1.17	1.40	1.71	2.21	2.69
Feb	.94	.81	1.85	1959	23	3.38	1971	.00+	1995	5.7	2.7	.5	@	.00	.00	.24	.41	.57	.74	.94	1.19	1.51	2.03	2.54
Mar	2.03	2.04	2.22	1998	31	4.87	1998	.24	1978	7.7	4.8	1.3	.3	.34	.51	.81	1.09	1.38	1.69	2.05	2.48	3.06	4.01	4.91
Apr	3.45	3.18	3.70	1981	4	8.23	1981	.60	1997	9.9	6.7	2.3	.7	.90	1.23	1.73	2.17	2.60	3.06	3.56	4.16	4.94	6.17	7.32
May	3.57	3.38	3.86	2000	18	8.29	1973	.62	1981	10.6	6.7	2.3	.8	1.08	1.42	1.93	2.36	2.79	3.23	3.71	4.28	5.02	6.17	7.23
Jun	3.99	3.72	3.82	1984	17	9.33	1998	1.05	1992	9.9	7.0	2.7	.9	1.13	1.51	2.09	2.58	3.07	3.58	4.14	4.81	5.67	7.02	8.27
Jul	3.98	3.87	3.40	1978	1	8.42	1999	1.28	1973	10.0	7.1	2.9	1.0	1.63	1.99	2.51	2.93	3.33	3.73	4.17	4.67	5.31	6.28	7.17
Aug	4.32	3.92	3.78	1953	1	10.58	1980	1.22	1976	10.0	7.6	3.0	1.1	1.34	1.75	2.36	2.88	3.39	3.92	4.50	5.18	6.06	7.43	8.70
Sep	3.95	3.42	3.83	1986	11	10.60	1992	.74	1979	9.2	6.4	2.6	1.3	.51	.83	1.39	1.94	2.52	3.16	3.91	4.83	6.07	8.12	10.09
Oct	2.30	2.01	3.05	1959	24	6.31	1984	.46	1975	8.4	5.0	1.8	.3	.64	.86	1.19	1.48	1.76	2.06	2.39	2.78	3.28	4.07	4.81
Nov	2.34	1.93	2.15	1965	7	5.51	1982	.03	1976	8.3	5.4	1.5	.3	.34	.53	.87	1.20	1.53	1.91	2.34	2.86	3.57	4.72	5.84
Dec	1.26	1.13	1.18	1967	7	2.37	1990	.19	1989	7.8	3.8	.7	@	.26	.38	.56	.73	.90	1.08	1.29	1.53	1.86	2.38	2.87
Ann	33.28	35.02	3.86	May 2000	18	10.60	Sep 1992	.00+	Feb 1995	104.8	66.7	21.9	6.8	24.60	26.31	28.48	30.12	31.58	32.98	34.42	36.00	37.92	40.69	43.07

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MAUSTON 1 SE, WI

COOP ID: 475178

Climate Division: WI 5

NWS Call Sign:

Elevation: 865 Feet

Lat: 43°47N

Lon: 90°04W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	11.9	10.4	7	6	13.0	1971	4	32.4	1999	27	1982	31	20	1982	5.9	4.1	1.3	.5	.1	22.2	16.2	10.6	2.5
Feb	8.5	9.1	7	6	8.0	1971	5	20.5	1975	28	1982	12	21	1971	3.7	2.9	.9	.3	.0	21.0	17.5	13.1	5.7
Mar	7.7	7.0	2	1	12.0	1997	14	20.0	1998	17	1997	14	9	1971	3.2	2.4	1.0	.4	.1	10.4	7.8	6.1	2.1
Apr	2.8	1.0	#	#	9.0	1973	9	18.5	1993	13	1973	10	2	1973	1.1	.7	.3	.2	.0	1.0	.7	.5	@
May	#	.0	#	0	#	1997	1	#+	1997	#	1997	1	#	1997	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.4	.0	#	0	5.0	1990	11	5.0	1990	3	1992	20	#+	1995	.2	.1	.1	@	.0	.1	@	.0	.0
Nov	4.8	2.9	1	#	9.0	1992	26	23.5	1985	13	1977	28	3	1985	2.3	1.7	.7	.2	.0	3.9	2.4	1.3	.1
Dec	10.2	8.5	3	3	11.0	1971	30	29.0	1990	15+	2000	24	9+	2000	5.0	3.6	1.1	.3	@	16.8	10.9	4.7	.5
Ann	46.3	38.9	N/A	N/A	13.0	Jan 1971	4	32.4	Jan 1999	28	Feb 1982	12	21	Feb 1971	21.4	15.5	5.4	1.9	.2	75.4	55.5	36.3	10.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: MAUSTON 1 SE, WI

COOP ID: 475178

Climate Division: WI 5

NWS Call Sign:

Elevation: 865 Feet

Lat: 43° 47N

Lon: 90° 04W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/10	6/04	5/30	5/27	5/23	5/20	5/16	5/12	5/06
32	5/28	5/22	5/17	5/14	5/10	5/07	5/03	4/28	4/22
28	5/14	5/07	5/03	4/28	4/25	4/21	4/16	4/12	4/05
24	4/27	4/23	4/20	4/17	4/14	4/12	4/09	4/06	4/01
20	4/18	4/13	4/10	4/07	4/04	4/01	3/29	3/26	3/21
16	4/11	4/06	4/03	3/31	3/28	3/26	3/23	3/19	3/14
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/05	9/09	9/13	9/16	9/18	9/21	9/24	9/27	10/02
32	9/16	9/21	9/24	9/26	9/29	10/01	10/04	10/07	10/12
28	9/20	9/26	9/30	10/03	10/07	10/10	10/13	10/17	10/23
24	10/03	10/09	10/14	10/19	10/22	10/26	10/30	11/04	11/11
20	10/13	10/19	10/23	10/26	10/30	11/02	11/05	11/10	11/15
16	10/22	10/30	11/04	11/08	11/12	11/16	11/21	11/26	12/03
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	141	133	127	122	117	112	107	102	93
32	165	157	151	146	141	136	131	125	117
28	194	184	177	170	164	159	152	145	135
24	218	209	202	196	190	185	179	172	162
20	229	222	217	212	208	204	199	194	186
16	258	248	240	234	228	222	216	209	199

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States**
No. 20
1971-2000

Station: MAUSTON 1 SE, WI

COOP ID: 475178

Climate Division: WI 5 NWS Call Sign: Elevation: 865 Feet Lat: 43°47N Lon: 90°04W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1571	1262	1032	594	279	75	17	53	209	533	944	1380	7949
60	1416	1122	877	449	171	26	1	15	111	385	794	1225	6592
57	1323	1038	784	367	119	11	0	6	69	304	704	1132	5857
55	1261	982	723	316	91	6	0	3	47	254	645	1070	5398
50	1106	842	575	202	39	1	0	0	14	149	504	915	4347
32	584	386	160	11	0	0	0	0	0	4	122	420	1687

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	36	48	151	408	774	1023	1191	1108	813	496	168	63	6279
55	0	0	1	23	152	339	478	398	170	33	1	0	1595
57	0	0	0	14	118	284	416	339	132	21	0	0	1324
60	0	0	0	6	77	208	324	255	84	9	0	0	963
65	0	0	0	1	30	107	185	138	31	1	0	0	493
70	0	0	0	0	9	41	83	58	8	0	0	0	199

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	2	52	228	554	800	968	882	600	291	57	4	0	2	54	282	836	1636	2604	3486	4086	4377	4434	4438
45	0	0	20	135	404	650	813	727	452	176	26	1	0	0	20	155	559	1209	2022	2749	3201	3377	3403	3404
50	0	0	9	71	268	500	658	572	311	94	7	0	0	0	9	80	348	848	1506	2078	2389	2483	2490	2490
55	0	0	4	31	153	353	503	417	192	42	1	0	0	0	4	35	188	541	1044	1461	1653	1695	1696	1696
60	0	0	0	13	76	218	350	269	102	8	0	0	0	0	0	13	89	307	657	926	1028	1036	1036	1036
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	40	161	350	517	639	576	374	187	38	1	0	0	40	201	551	1068	1707	2283	2657	2844	2882	2883

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: MEDFORD, WI

COOP ID: 475255

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,470 Feet Lat: 45°08N

Lon: 90°21W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max ≥ 100	Max ≥ 90	Max ≥ 50	Max ≤ 32	Min ≤ 32	Min ≤ 0
Jan	19.8	-5	9.7	50+	1981	26	19.9	1990	-38+	1977	9	-1.4	1977	1718	0	.0	.0	.1	27.4	31.0	16.4
Feb	26.2	5.0	15.6	55+	1981	20	30.4	1998	-37+	1996	4	4.6	1989	1384	0	.0	.0	.3	19.6	27.8	11.0
Mar	36.9	18.3	27.6	74+	2000	8	36.6	1973	-40	1962	1	20.2	1975	1159	0	.0	.0	4.0	10.4	27.7	3.8
Apr	52.3	31.6	42.0	89	1952	29	48.1	1987	1+	1995	4	35.8	1975	691	0	.0	.0	17.4	1.1	17.1	.0
May	66.4	43.6	55.0	89	1959	2	63.2	1977	17	1966	9	49.2	1983	339	28	.0	.0	29.3	.0	3.9	.0
Jun	74.3	52.6	63.5	97	1988	25	68.7	1995	30+	1972	10	57.9	1982	111	65	.0	.5	30.0	.0	.1	.0
Jul	78.6	57.3	68.0	98+	1995	15	72.2	1983	38	1972	4	61.8	1992	38	129	.0	1.2	31.0	.0	.0	.0
Aug	76.5	55.5	66.0	98+	1988	17	70.8	1995	32	1974	30	61.7	1977	67	97	.0	.8	31.0	.0	@	.0
Sep	67.3	46.2	56.8	93	1976	8	63.0	1998	20	1967	29	51.2	1993	261	13	.0	.1	29.2	.0	2.2	.0
Oct	54.9	34.8	44.9	89	1976	2	51.9	1971	8	1976	27	39.0	1988	625	0	.0	.0	21.4	.3	14.1	.0
Nov	37.8	22.1	30.0	71	1978	4	37.6	1999	-19	1976	30	21.7	1995	1051	0	.0	.0	4.9	9.8	26.2	1.1
Dec	24.4	7.1	15.8	60	2001	6	23.5	1997	-29+	1990	26	4.7	1989	1527	0	.0	.0	.2	24.3	30.7	10.3
Ann	51.3	31.1	41.2	98+	Jul 1995	15	72.2	Jul 1983	-40	Mar 1962	1	-1.4	Jan 1977	8971	332	.0	2.6	198.8	92.9	180.8	42.6

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

066-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MEDFORD, WI

COOP ID: 475255

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,470 Feet Lat: 45°08N

Lon: 90°21W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.18	1.00	1.15	1982	23	2.93	1982	.08	1981	8.5	4.3	.3	@	.19	.30	.47	.63	.80	.98	1.18	1.44	1.77	2.32	2.84
Feb	.91	.90	1.27+	1971	5	3.03	1971	.05	1987	6.4	2.9	.3	@	.10	.17	.29	.42	.55	.71	.89	1.11	1.41	1.91	2.41
Mar	1.84	2.00	1.72	1973	11	3.64	1977	.18	1978	8.4	4.9	1.0	.3	.35	.51	.78	1.03	1.29	1.56	1.87	2.25	2.74	3.54	4.30
Apr	2.51	2.41	2.07	1958	6	4.69	1977	.81	1997	10.1	6.4	1.3	.4	.97	1.20	1.53	1.81	2.07	2.34	2.62	2.96	3.38	4.03	4.62
May	3.16	2.99	2.56	1968	16	7.18	1973	.65	1986	10.9	6.6	2.2	.5	1.08	1.38	1.82	2.19	2.54	2.90	3.30	3.77	4.36	5.28	6.13
Jun	4.44	4.10	3.63	1980	6	10.37	1980	1.04	1983	11.0	7.5	3.1	1.1	1.30	1.73	2.36	2.91	3.44	3.99	4.61	5.33	6.26	7.72	9.08
Jul	3.97	3.74	4.77	1959	8	9.20	1972	1.47	1974	11.0	7.9	2.8	1.0	1.41	1.78	2.33	2.78	3.22	3.66	4.15	4.71	5.44	6.56	7.58
Aug	4.68	4.63	3.75	2000	15	9.45	1995	.79	1976	10.6	7.5	3.1	1.3	1.69	2.13	2.77	3.30	3.81	4.33	4.89	5.55	6.39	7.69	8.88
Sep	4.50	4.25	4.04	1982	13	10.36	1986	.67	1979	11.9	7.6	2.9	1.2	1.37	1.80	2.44	2.99	3.52	4.07	4.68	5.40	6.32	7.76	9.10
Oct	2.60	2.26	2.20	1982	20	6.44	1995	.27	1976	9.5	5.7	1.6	.6	.66	.91	1.28	1.62	1.95	2.30	2.69	3.15	3.75	4.70	5.59
Nov	2.13	1.98	2.30	1996	16	6.57	1991	.27	1976	10.1	5.1	1.1	.4	.47	.66	.97	1.26	1.54	1.84	2.18	2.58	3.11	3.96	4.77
Dec	1.28	1.29	1.62	1965	12	3.28	1972	.38	1997	9.2	4.7	.3	@	.33	.45	.63	.80	.96	1.13	1.33	1.55	1.85	2.32	2.75
Ann	33.20	32.40	4.77	Jul 1959	8	10.37	Jun 1980	.05	Feb 1987	117.6	71.1	20.0	6.8	23.07	25.01	27.51	29.42	31.11	32.76	34.46	36.34	38.63	41.96	44.84

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MEDFORD, WI

COOP ID: 475255

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,470 Feet

Lat: 45°08N

Lon: 90°21W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	12.2	10.8	10	10	10.0	1982	23	34.8	1982	40	1982	25	23	1982	6.8	4.8	1.6	.5	.1	30.5	27.4	23.5	15.2
Feb	7.4	6.0	13	11	12.0	1971	5	21.0	1971	42	1971	15	38	1971	4.5	2.6	.7	.2	@	26.9	25.2	22.6	17.2
Mar	9.1	9.0	7	3	9.5	1979	24	24.5	1989	48	1972	9	35	1972	3.9	2.9	1.0	.4	.0	16.9	13.5	11.8	10.0
Apr	1.8	1.0	1	#	5.0	1982	20	8.0	1982	20	1975	1	6	1975	1.0	.6	.3	@	.0	2.7	1.9	1.3	.8
May	#	.0	0	0	#	1976	2	#+	1976	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.4	.0	#	0	3.0	1990	18	3.0	1990	2	1986	14	#+	1988	.2	.2	@	.0	.0	.1	.0	.0	.0
Nov	3.8	2.8	1	#	6.0	1985	28	10.5	1978	11	1985	30	3	1985	2.5	1.8	.4	.1	.0	5.4	2.1	1.3	.2
Dec	12.3	11.4	5	4	5.5	1984	2	24.5	1972	18	1978	31	13	1983	6.6	4.9	1.1	.2	.0	25.6	19.2	14.0	4.2
Ann	47.0	41.0	N/A	N/A	12.0	Feb 1971	5	34.8	Jan 1982	48	Mar 1972	9	38	Feb 1971	25.5	17.8	5.1	1.4	.1	108.1	89.3	74.5	47.6

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: MEDFORD, WI

COOP ID: 475255

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,470 Feet

Lat: 45°08N

Lon: 90°21W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/14	6/09	6/06	6/03	6/01	5/29	5/26	5/23	5/18
32	6/01	5/27	5/23	5/19	5/16	5/13	5/09	5/05	4/29
28	5/14	5/10	5/07	5/05	5/02	4/30	4/27	4/24	4/20
24	5/02	4/27	4/24	4/21	4/18	4/15	4/12	4/08	4/03
20	4/23	4/19	4/16	4/13	4/11	4/08	4/06	4/03	3/29
16	4/17	4/13	4/09	4/07	4/04	4/01	3/30	3/26	3/22
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/04	9/08	9/10	9/12	9/15	9/17	9/19	9/21	9/25
32	9/11	9/16	9/19	9/21	9/23	9/26	9/28	10/01	10/06
28	9/22	9/26	9/29	10/02	10/04	10/06	10/09	10/12	10/16
24	10/01	10/06	10/10	10/13	10/16	10/19	10/22	10/26	10/31
20	10/15	10/20	10/23	10/26	10/29	10/31	11/03	11/06	11/11
16	10/25	10/30	11/02	11/05	11/08	11/10	11/13	11/17	11/21
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	120	115	111	108	105	102	99	95	90
32	151	144	139	134	130	126	121	116	108
28	174	167	162	158	154	150	146	141	134
24	202	195	189	185	181	176	172	166	159
20	220	213	208	204	200	196	192	187	180
16	235	229	225	221	217	213	209	205	199

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: MEDFORD, WI

COOP ID: 475255

Climate Division: WI 2 NWS Call Sign: Elevation: 1,470 Feet Lat: 45°08N Lon: 90°21W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1718	1384	1159	691	339	111	38	67	261	625	1051	1527	8971
60	1563	1244	1004	545	225	45	8	18	146	473	901	1372	7544
57	1470	1160	911	460	168	22	1	6	93	386	811	1279	6767
55	1408	1104	849	405	136	13	0	3	66	330	751	1217	6282
50	1253	964	695	280	71	3	0	0	22	208	602	1062	5160
32	705	491	234	27	1	0	0	0	0	10	170	534	2172

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	10	30	98	326	713	943	1115	1053	742	407	109	31	5577
55	0	0	0	14	135	266	402	342	118	15	0	0	1292
57	0	0	0	9	106	215	341	284	85	8	0	0	1048
60	0	0	0	4	69	148	254	203	48	3	0	0	729
65	0	0	0	0	28	65	129	97	13	0	0	0	332
70	0	0	0	0	10	18	49	31	2	0	0	0	110

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	19	153	472	708	874	810	506	200	26	0	0	0	19	172	644	1352	2226	3036	3542	3742	3768	3768
45	0	0	7	83	328	558	719	655	364	109	9	0	0	0	7	90	418	976	1695	2350	2714	2823	2832	2832
50	0	0	1	42	207	410	564	500	235	51	1	0	0	0	1	43	250	660	1224	1724	1959	2010	2011	2011
55	0	0	0	14	115	273	410	347	131	19	0	0	0	0	0	14	129	402	812	1159	1290	1309	1309	1309
60	0	0	0	5	54	157	259	202	62	3	0	0	0	0	0	5	59	216	475	677	739	742	742	742
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	10	106	287	438	564	509	296	119	16	0	0	0	10	116	403	841	1405	1914	2210	2329	2345	2345

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: MELLEN 4 NE, WI

COOP ID: 475286

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,300 Feet Lat: 46°22N

Lon: 90°39W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	19.3	-3.0	8.2	55+	1987	14	18.7	1990	-49	1950	30	-3.6	1977	1764	0	.0	.0	.3	26.4	31.0	17.1
Feb	26.1	2.2	14.2	63	1976	25	31.0	1998	-46	1996	3	3.9	1989	1425	0	.0	.0	.7	18.7	27.8	12.7
Mar	36.6	14.7	25.7	73+	2000	8	34.2	1973	-35	1962	1	17.8	1996	1221	0	.0	.0	4.7	10.2	28.9	5.5
Apr	50.5	27.9	39.2	89+	1987	19	46.1	1987	-6	1972	8	32.4	1975	774	0	.0	.0	16.0	1.4	20.9	.2
May	65.0	39.9	52.5	92	1964	22	61.9	1977	15	1966	9	45.3	1997	410	21	.0	.1	28.2	.1	7.6	.0
Jun	73.0	49.4	61.2	96	1995	19	65.7	1976	25	1948	15	55.4	1982	151	36	.0	1.0	29.8	.0	.7	.0
Jul	77.4	54.9	66.2	98+	1988	28	69.9	1983	32	1988	1	59.8	1992	59	94	.0	1.8	31.0	.0	@	.0
Aug	75.1	53.0	64.1	101	1948	24	68.4	1995	31	1967	22	58.7	1977	102	73	.0	.9	31.0	.0	@	.0
Sep	65.7	44.1	54.9	98	1976	8	61.2	1998	22+	2001	28	48.7	1974	308	5	.0	.1	29.0	.0	3.0	.0
Oct	54.0	33.6	43.8	87	1992	3	50.5	1973	6	1976	28	37.8	1976	657	0	.0	.0	20.3	.4	14.6	.0
Nov	37.1	21.1	29.1	73+	1999	9	37.5	1999	-20+	1976	30	20.7	1995	1077	0	.0	.0	5.0	9.7	26.3	1.5
Dec	23.8	5.4	14.6	61	1982	3	24.9	1997	-36	1976	30	2.5	1976	1562	0	.0	.0	.3	23.1	30.8	11.2
Ann	50.3	28.6	39.5	101	Aug 1948	24	69.9	Jul 1983	-49	Jan 1950	30	-3.6	Jan 1977	9510	229	.0	3.9	196.3	90.0	191.6	48.2

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

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067-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MELLEN 4 NE, WI

COOP ID: 475286

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,300 Feet Lat: 46°22N

Lon: 90°39W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.60	1.51	1.15+	1996	18	3.40	1997	.53	1984	13.7	4.8	.5	.1	.52	.67	.90	1.09	1.27	1.46	1.67	1.91	2.22	2.71	3.16
Feb	.99	.93	1.08	1999	12	2.27	1981	.18	1993	9.4	3.6	.3	@	.24	.33	.48	.61	.73	.87	1.02	1.20	1.43	1.81	2.15
Mar	2.06	2.05	1.41	1996	25	4.74	1976	.35	1999	10.3	5.1	1.3	.3	.57	.77	1.06	1.32	1.57	1.84	2.13	2.47	2.92	3.63	4.28
Apr	2.27	2.40	3.28	1960	23	4.38	1985	.42+	1997	10.6	5.7	1.4	.2	.72	.94	1.26	1.53	1.79	2.06	2.36	2.71	3.17	3.87	4.52
May	3.14	3.34	3.12	1951	27	5.07	1973	1.03	1990	11.5	7.1	1.9	.6	1.37	1.65	2.04	2.36	2.67	2.97	3.30	3.67	4.14	4.86	5.51
Jun	3.97	3.74	2.60	1974	10	6.70	1981	1.60	1982	13.9	8.2	2.7	.8	1.64	2.00	2.51	2.93	3.33	3.73	4.16	4.66	5.30	6.26	7.14
Jul	4.32	4.16	7.05	1949	3	9.48	1999	.95	1976	11.6	7.9	3.3	.9	1.15	1.56	2.18	2.73	3.27	3.83	4.46	5.21	6.18	7.70	9.13
Aug	3.85	3.72	3.80	1978	23	8.08	1977	.53	1991	12.5	7.1	2.4	.7	1.24	1.61	2.15	2.61	3.05	3.51	4.01	4.60	5.36	6.54	7.63
Sep	3.73	3.22	3.42	1951	12	7.01	1990	1.00	2000	13.5	7.9	2.4	.8	1.30	1.65	2.16	2.60	3.01	3.44	3.90	4.44	5.13	6.21	7.19
Oct	3.13	2.60	2.33	1982	20	6.47	1982	1.13	1976	13.1	6.9	1.9	.6	1.12	1.42	1.84	2.20	2.54	2.89	3.27	3.71	4.28	5.15	5.95
Nov	2.69	2.12	3.25	1975	10	8.23	1991	.57	1981	12.3	5.8	1.7	.4	.60	.84	1.24	1.60	1.95	2.33	2.76	3.27	3.94	5.01	6.02
Dec	1.61	1.36	1.54	1982	28	3.91	1982	.24	1994	13.4	5.2	.5	.1	.46	.61	.84	1.04	1.24	1.44	1.67	1.94	2.28	2.83	3.33
Ann	33.36	32.29	7.05	Jul 1949	3	9.48	Jul 1999	.18	Feb 1993	145.8	75.3	20.3	5.5	24.27	26.05	28.31	30.03	31.55	33.01	34.53	36.19	38.21	41.13	43.64

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MELLENE 4 NE, WI

COOP ID: 475286

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,300 Feet

Lat: 46°22N

Lon: 90°39W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	23.0	21.0	16	15	23.0	1999	3	46.8	1996	42	1997	10	31+	1997	13.1	6.7	2.7	1.3	.4	30.5	30.5	29.9	24.0
Feb	14.1	13.5	19	17	18.0	1983	3	30.6	1972	43	1971	12	39	1971	8.3	4.2	1.4	.6	.1	27.6	27.5	27.0	23.3
Mar	16.8	14.9	15	12	19.0	1996	25	40.5	1976	46	1976	13	33+	1979	7.6	4.3	1.8	1.1	.3	27.5	25.6	24.0	18.6
Apr	6.1	4.6	3	3	10.5	1984	30	18.4	1983	36	1975	1	17	1996	2.9	1.7	.8	.2	.1	11.3	9.0	6.5	3.2
May	.6	.0	#	0	5.0	1997	12	6.0	1997	14	1984	1	1	1984	.4	.2	.1	@	.0	.4	.2	.1	.1
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.1	.0	#	0	4.0	1995	22	4.0	1995	4	1995	22	#	1995	@	@	@	.0	.0	.1	.1	.0	.0
Oct	2.3	.5	#	0	13.0	1987	21	13.0	1987	13	1987	21	1	1987	1.1	.6	.3	.1	@	.7	.4	.2	.0
Nov	15.2	12.5	3	2	14.0	1975	10	47.0	1991	24	1991	30	9	1975	8.0	3.7	1.5	.9	.2	14.6	8.7	5.0	1.4
Dec	20.7	20.2	9	8	18.0	1996	19	40.2	1985	30+	1996	20	20	1991	11.4	6.7	2.5	1.0	.2	28.1	24.8	20.6	9.1
Ann	98.9	87.2	N/A	N/A	23.0	Jan 1999	3	47.0	Nov 1991	46	Mar 1976	13	39	Feb 1971	52.8	28.1	11.1	5.2	1.3	140.8	126.8	113.3	79.7

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: MELLEN 4 NE, WI

COOP ID: 475286

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,300 Feet

Lat: 46°22N

Lon: 90°39W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/29	6/23	6/19	6/16	6/12	6/09	6/06	6/02	5/27
32	6/19	6/13	6/08	6/05	6/01	5/29	5/25	5/21	5/15
28	6/06	5/31	5/26	5/22	5/18	5/14	5/10	5/06	4/29
24	5/17	5/12	5/09	5/06	5/03	4/30	4/28	4/24	4/20
20	5/04	4/29	4/25	4/22	4/19	4/16	4/12	4/09	4/03
16	4/19	4/15	4/12	4/10	4/07	4/05	4/03	3/31	3/27
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/21	8/27	8/31	9/04	9/08	9/11	9/15	9/19	9/26
32	9/08	9/12	9/15	9/17	9/19	9/22	9/24	9/27	10/01
28	9/19	9/23	9/25	9/27	9/29	10/01	10/03	10/05	10/08
24	10/06	10/11	10/14	10/17	10/20	10/22	10/25	10/29	11/02
20	10/13	10/19	10/23	10/26	10/29	11/01	11/05	11/09	11/14
16	10/26	10/30	11/02	11/04	11/07	11/09	11/12	11/15	11/19
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	115	105	98	92	87	81	75	68	59
32	130	123	118	113	109	105	101	96	89
28	155	147	142	137	133	129	124	119	111
24	190	183	177	173	169	165	160	155	148
20	217	209	203	197	193	188	183	177	168
16	229	224	220	216	213	210	206	202	196

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: MELLENN 4 NE, WI

COOP ID: 475286

Climate Division: WI 2 NWS Call Sign: Elevation: 1,300 Feet Lat: 46°22N Lon: 90°39W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1764	1425	1221	774	410	151	59	102	308	657	1077	1562	9510
60	1609	1285	1066	625	286	69	13	36	180	506	927	1407	8009
57	1516	1201	973	538	223	37	4	16	119	418	837	1314	7196
55	1454	1145	911	481	186	23	0	8	86	362	777	1252	6685
50	1299	1005	756	345	109	6	0	0	31	238	629	1097	5515
32	753	535	272	41	4	0	0	0	0	16	187	568	2376

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	12	34	74	258	638	875	1059	993	687	382	100	29	5141
55	0	0	0	7	107	208	346	288	82	15	0	0	1053
57	0	0	0	4	82	162	288	234	55	9	0	0	834
60	0	0	0	2	52	104	203	161	27	3	0	0	552
65	0	0	0	0	21	36	94	73	5	0	0	0	229
70	0	0	0	0	7	8	27	21	0	0	0	0	63

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	19	126	423	661	836	774	480	198	29	0	0	0	19	145	568	1229	2065	2839	3319	3517	3546	3546
45	0	0	4	72	290	512	681	619	335	109	11	0	0	0	4	76	366	878	1559	2178	2513	2622	2633	2633
50	0	0	0	33	185	371	526	464	211	51	2	0	0	0	0	33	218	589	1115	1579	1790	1841	1843	1843
55	0	0	0	14	106	240	373	314	116	21	0	0	0	0	0	14	120	360	733	1047	1163	1184	1184	1184
60	0	0	0	5	52	135	232	183	55	5	0	0	0	0	0	5	57	192	424	607	662	667	667	667
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	18	95	279	415	537	486	282	118	15	0	0	0	18	113	392	807	1344	1830	2112	2230	2245	2245

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: MENOMONIE, WI

COOP ID: 475335

Climate Division: WI 4

NWS Call Sign:

Elevation: 780 Feet Lat: 44°53N Lon: 91°56W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	23.5	3.8	13.7	55	1981	24	25.7	1990	-39	1977	9	1.2	1977	1592	0	.0	.0	.2	22.6	30.8	12.7
Feb	30.4	10.0	20.2	60+	2000	29	33.1	1998	-40	1996	3	10.3	1978	1254	0	.0	.0	1.2	14.5	27.2	8.2
Mar	42.1	21.7	31.9	82+	1986	30	41.0	2000	-34	1962	1	24.5	1996	1027	0	.0	.0	7.8	5.5	25.5	2.4
Apr	58.4	33.8	46.1	90	1980	22	53.0	1977	5	1995	4	39.5	1975	569	3	.0	@	23.2	.3	13.9	.0
May	70.7	45.4	58.1	92	1969	28	66.2	1977	20	1967	3	52.6	1996	259	44	.0	.3	30.8	.0	2.5	.0
Jun	78.3	54.7	66.5	98+	1985	9	71.1	1991	30	1993	1	60.1	1993	67	111	.0	2.3	30.0	.0	@	.0
Jul	82.3	59.7	71.0	100+	1974	14	75.6	1999	41+	1990	6	64.4	1992	25	210	.1	5.1	31.0	.0	.0	.0
Aug	79.6	57.5	68.6	101+	1964	3	74.2	1995	37+	1967	19	64.4	1994	43	153	@	2.8	31.0	.0	.0	.0
Sep	71.0	48.6	59.8	96+	1978	8	66.7	1998	25	1967	29	51.5	1993	194	37	.0	.7	29.8	.0	1.1	.0
Oct	59.5	37.5	48.5	90	1997	4	55.1	1973	12	1988	30	43.5	1976	514	2	.0	@	26.4	.1	10.1	.0
Nov	41.6	24.8	33.2	76+	1999	9	42.0	1999	-13	1985	29	25.7	1996	955	0	.0	.0	8.2	5.6	23.2	.9
Dec	27.7	10.7	19.2	64+	2001	5	28.3	1997	-36	1983	19	6.2	1983	1421	0	.0	.0	.7	18.6	30.1	7.8
Ann	55.4	34.0	44.7	101+	Aug 1964	3	75.6	Jul 1999	-40	Feb 1996	3	1.2	Jan 1977	7920	560	.1	11.2	220.3	67.2	164.4	32.0

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

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**Climatography
of the United States
No. 20
1971-2000**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MENOMONIE, WI

COOP ID: 475335

Climate Division: WI 4

NWS Call Sign:

Elevation: 780 Feet

Lat: 44°53N

Lon: 91°56W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.83	.78	1.14	1967	25	2.05	1998	.02	1981	7.9	3.1	.1	@	.12	.19	.31	.43	.55	.68	.83	1.02	1.27	1.68	2.07
Feb	.65	.46	1.23	1998	27	2.02	1981	.07	1987	5.7	2.0	.2	@	.08	.13	.23	.32	.41	.52	.64	.79	1.00	1.33	1.66
Mar	1.63	1.27	1.86	1998	28	6.01	1998	.26	1994	8.2	4.2	.8	.3	.33	.48	.72	.94	1.16	1.40	1.66	1.99	2.41	3.09	3.74
Apr	2.58	2.52	3.41	1968	23	5.12	1975	.26	1987	9.5	5.7	1.5	.5	.75	.99	1.36	1.68	1.99	2.32	2.67	3.10	3.64	4.50	5.29
May	3.44	2.94	2.47	1963	10	8.12	1991	1.37	1972	10.8	7.3	2.4	.7	1.40	1.72	2.16	2.53	2.87	3.22	3.60	4.03	4.58	5.43	6.19
Jun	4.56	4.36	3.25	1965	1	8.69	1990	1.72	1984	11.7	7.5	3.3	1.3	1.87	2.29	2.88	3.36	3.82	4.28	4.78	5.36	6.09	7.20	8.22
Jul	4.08	4.08	3.79	1959	8	10.22	1997	.89	1998	10.7	6.9	2.6	1.1	1.22	1.61	2.19	2.69	3.18	3.68	4.24	4.89	5.74	7.07	8.30
Aug	4.08	3.74	4.72	1977	31	11.78	1975	1.55	1996	10.2	6.7	2.5	1.2	1.39	1.78	2.34	2.82	3.27	3.74	4.26	4.85	5.62	6.81	7.91
Sep	3.73	3.63	4.39	2000	11	8.41	1986	.99	1974	10.1	6.3	2.7	.9	1.02	1.37	1.91	2.38	2.84	3.32	3.86	4.49	5.32	6.61	7.82
Oct	2.17	1.96	2.58	1992	7	4.49	1979	.43	1976	9.0	4.9	1.1	.3	.47	.67	.99	1.28	1.57	1.87	2.22	2.63	3.17	4.04	4.86
Nov	1.93	1.36	3.41	1991	1	7.28	1991	.00	1976	7.9	3.9	1.2	.3	.16	.37	.68	.96	1.25	1.57	1.94	2.38	2.98	3.95	4.88
Dec	.88	.73	1.39	1959	28	2.38	1972	.21	1989	7.5	2.8	.3	.1	.21	.29	.42	.53	.65	.77	.91	1.07	1.28	1.62	1.94
Ann	30.56	31.32	4.72	Aug 1977	31	11.78	Aug 1975	.00	Nov 1976	109.2	61.3	18.7	6.7	22.17	23.81	25.90	27.48	28.88	30.23	31.62	33.16	35.02	37.71	40.03

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

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Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
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Station: MENOMONIE, WI

COOP ID: 475335

Climate Division: WI 4

NWS Call Sign:

Elevation: 780 Feet

Lat: 44° 53N

Lon: 91° 56W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	10.3	8.0	9	8	10.0	1972	24	25.5	1996	30	1979	31	21	1979	5.3	4.3	1.5	.5	.1	29.9	25.3	18.4	6.2
Feb	6.8	6.0	10	7	9.0	1971	5	15.0	1971	40	1971	7	33	1979	3.5	2.9	.8	.1	.0	25.7	21.3	16.1	5.3
Mar	7.2	7.0	4	2	9.0	1989	3	23.4	1989	20	1979	4	16	1971	2.7	2.4	1.1	.6	.0	12.8	9.9	7.2	2.6
Apr	1.1	.0	#	#	9.0	1992	10	9.0	1992	13	1971	1	5	1974	.4	.3	.1	@	.0	1.0	.8	.6	.3
May	#	.0	0	0	#	1994	5	#+	1994	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	0	0	#	1974	22	#	1974	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	#	0	2.8	1992	20	2.8	1992	#+	1996	31	#+	1996	@	@	.0	.0	.0	.0	.0	.0	.0
Nov	4.1	1.7	1	#	10.0	1983	28	18.3	1991	13	1983	30	4	1978	2.1	1.7	.5	.2	@	5.1	2.8	1.7	.0
Dec	6.0	4.8	5	3	8.0	1985	1	15.4	1983	29	1983	29	21	1985	4.5	3.3	1.2	.3	.0	21.6	14.1	7.2	2.0
Ann	35.6	27.5	N/A	N/A	10.0+	Nov 1983	28	25.5	Jan 1996	40	Feb 1971	7	33	Feb 1979	18.5	14.9	5.2	1.7	.1	96.1	74.2	51.2	16.4

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: MENOMONIE, WI

COOP ID: 475335

Climate Division: WI 4

NWS Call Sign:

Elevation: 780 Feet

Lat: 44°53N

Lon: 91°56W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/10	6/04	5/31	5/27	5/24	5/21	5/17	5/13	5/07
32	5/26	5/21	5/17	5/14	5/12	5/09	5/06	5/02	4/27
28	5/10	5/05	5/01	4/28	4/25	4/22	4/19	4/16	4/11
24	4/27	4/23	4/20	4/17	4/15	4/12	4/10	4/07	4/03
20	4/18	4/14	4/11	4/08	4/06	4/04	4/01	3/29	3/25
16	4/09	4/04	4/01	3/29	3/26	3/24	3/21	3/17	3/13
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/10	9/14	9/16	9/19	9/21	9/23	9/25	9/28	10/01
32	9/17	9/21	9/23	9/26	9/28	9/30	10/03	10/05	10/09
28	9/24	9/29	10/02	10/05	10/08	10/11	10/14	10/17	10/22
24	10/05	10/11	10/15	10/18	10/21	10/24	10/27	10/31	11/05
20	10/18	10/22	10/26	10/28	10/31	11/03	11/06	11/09	11/13
16	10/26	11/01	11/06	11/09	11/13	11/16	11/20	11/24	11/30
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	140	133	128	123	119	115	110	105	98
32	158	151	147	143	139	135	131	126	120
28	183	177	172	169	165	161	158	153	147
24	210	203	197	193	188	184	179	174	166
20	225	219	214	211	207	204	200	196	190
16	254	246	240	235	231	226	221	215	207

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: MENOMONIE, WI

COOP ID: 475335

Climate Division: WI 4 NWS Call Sign: Elevation: 780 Feet Lat: 44°53N Lon: 91°56W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1592	1254	1027	569	259	67	25	43	194	514	955	1421	7920
60	1437	1114	872	427	160	21	6	11	101	368	805	1266	6588
57	1344	1030	779	347	112	9	0	3	62	288	715	1173	5862
55	1282	974	717	298	86	5	0	1	42	239	655	1111	5410
50	1127	834	572	190	38	0	0	0	12	137	511	956	4377
32	597	387	161	10	0	0	0	0	0	3	124	452	1734

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	28	57	157	434	808	1034	1208	1133	834	514	160	53	6420
55	0	0	1	32	181	349	495	421	186	37	1	0	1703
57	0	0	0	21	145	293	433	361	146	23	0	0	1422
60	0	0	0	11	100	215	347	276	95	11	0	0	1055
65	0	0	0	3	44	111	210	153	37	2	0	0	560
70	0	0	0	0	16	42	110	68	10	0	0	0	246

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	3	41	243	584	816	988	915	628	310	50	2	0	3	44	287	871	1687	2675	3590	4218	4528	4578	4580
45	0	1	18	142	430	666	833	760	478	192	22	0	0	1	19	161	591	1257	2090	2850	3328	3520	3542	3542
50	0	1	7	78	286	516	678	605	339	99	4	0	0	1	8	86	372	888	1566	2171	2510	2609	2613	2613
55	0	0	0	33	173	371	523	450	215	47	1	0	0	0	0	33	206	577	1100	1550	1765	1812	1813	1813
60	0	0	0	15	87	237	370	299	116	13	0	0	0	0	0	15	102	339	709	1008	1124	1137	1137	1137
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	34	172	371	529	660	604	391	192	32	1	0	1	35	207	578	1107	1767	2371	2762	2954	2986	2987

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: MERRILL, WI

COOP ID: 475364

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,253 Feet Lat: 45° 10N

Lon: 89° 40W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	21.0	-.3	10.4	57	1942	23	21.0	1990	-48	1909	12	-2.3	1977	1695	0	.0	.0	.1	25.7	30.9	15.7
Feb	27.3	4.0	15.7	60	1930	20	30.1	1998	-42	1907	5	5.6	1979	1382	0	.0	.0	.5	18.1	27.9	11.6
Mar	38.2	16.4	27.3	86	1910	27	36.7	2000	-35	1962	1	19.8	1996	1170	0	.0	.0	4.9	8.5	28.2	4.6
Apr	53.2	29.4	41.3	92	1952	28	47.0	1986	-5	1924	1	35.6	1995	710	0	.0	.0	18.2	.8	18.9	@
May	67.2	41.1	54.2	104	1934	30	61.0	1977	15	1950	6	47.6	1997	362	24	.0	.0	29.4	.0	6.3	.0
Jun	75.4	50.8	63.1	104	1934	23	68.6	1995	28+	1972	10	56.1	1982	125	67	.0	.8	29.9	.0	.5	.0
Jul	79.6	55.6	67.6	110+	1936	14	71.6	1983	33	1972	4	61.8	1992	44	124	@	2.0	31.0	.0	.0	.0
Aug	77.3	53.2	65.3	101	1936	15	70.6	1995	30	1915	30	60.3	1977	85	93	.0	1.0	31.0	.0	.2	.0
Sep	67.9	43.9	55.9	97+	1933	8	61.6	1998	18	1974	22	48.4	1974	284	10	.0	.1	29.4	.0	3.5	.0
Oct	55.8	33.6	44.7	89+	1963	6	53.7	1971	4	1925	30	38.8	1987	629	0	.0	.0	22.1	.1	15.6	.0
Nov	38.9	21.9	30.4	75	1909	1	37.8	1999	-15+	1976	29	21.9	1995	1038	0	.0	.0	5.4	8.3	26.3	1.3
Dec	25.5	7.4	16.5	62	1909	1	24.9	1997	-31	1983	19	5.1	1985	1506	0	.0	.0	.3	22.6	30.6	9.8
Ann	52.3	29.8	41.0	110+	Jul 1936	14	71.6	Jul 1983	-48	Jan 1909	12	-2.3	Jan 1977	9030	318	@	3.9	202.2	84.1	188.9	43.0

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

069-A

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1905-2001

(3) Derived from 1971-2000 serially complete daily data

**Climatography
of the United States
No. 20
1971-2000**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MERRILL, WI

COOP ID: 475364

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,253 Feet Lat: 45°10N

Lon: 89°40W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.14	.92	1.66	1939	5	3.15	1996	.05	1981	9.3	3.6	.3	.1	.18	.28	.44	.60	.76	.94	1.14	1.39	1.72	2.26	2.78
Feb	.90	.93	2.05	1965	12	2.43	1971	.05	1987	6.8	2.8	.4	.0	.11	.19	.31	.44	.57	.72	.89	1.10	1.39	1.86	2.32
Mar	1.81	1.76	1.63	1920	29	4.35	1976	.23	1978	8.3	4.4	1.3	.3	.31	.47	.74	.99	1.24	1.52	1.83	2.21	2.72	3.54	4.33
Apr	2.64	2.56	2.21	1984	30	4.46	1991	.58	1997	10.6	6.2	1.8	.4	.94	1.19	1.55	1.85	2.14	2.43	2.76	3.13	3.61	4.35	5.03
May	3.27	3.17	2.45	1936	6	6.24	1973	1.10	1986	11.1	6.7	2.2	.6	1.24	1.54	1.98	2.35	2.69	3.04	3.43	3.87	4.43	5.30	6.09
Jun	3.82	3.37	4.35	1946	24	8.17	1993	1.07	1976	11.8	7.4	2.3	.9	1.06	1.42	1.97	2.45	2.92	3.41	3.95	4.60	5.44	6.75	7.98
Jul	3.85	3.54	5.90	1912	23	9.41	1978	.62	1998	11.8	7.6	2.7	.8	1.19	1.56	2.10	2.57	3.02	3.49	4.00	4.61	5.39	6.60	7.73
Aug	4.35	3.77	3.74	1962	24	12.47	1995	1.34	1998	11.6	7.8	3.0	1.0	1.67	2.07	2.65	3.13	3.58	4.05	4.55	5.14	5.88	7.02	8.06
Sep	4.29	4.27	3.95	1993	14	8.69	1986	.56	1979	12.7	7.7	2.8	1.0	1.22	1.63	2.24	2.78	3.30	3.85	4.45	5.17	6.09	7.54	8.89
Oct	2.59	2.26	3.00	1911	6	5.11	1979	.31	1976	11.1	6.0	1.4	.5	.79	1.04	1.41	1.72	2.03	2.34	2.69	3.10	3.63	4.46	5.22
Nov	2.35	2.12	1.96	1949	13	6.41	1991	.17	1976	9.6	5.2	1.6	.4	.47	.69	1.03	1.35	1.67	2.01	2.40	2.86	3.48	4.47	5.41
Dec	1.40	1.31	1.24	1972	30	3.45	1972	.37	1994	10.2	4.1	.6	.1	.38	.51	.71	.89	1.06	1.24	1.44	1.68	1.99	2.48	2.94
Ann	32.41	32.23	5.90	Jul 1912	23	12.47	Aug 1995	.05+	Feb 1987	124.9	69.5	20.4	6.1	23.34	25.11	27.37	29.08	30.59	32.06	33.57	35.23	37.26	40.18	42.71

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1905-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MERRILL, WI

COOP ID: 475364

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,253 Feet

Lat: 45° 10N

Lon: 89° 40W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	16.0	15.5	10	11	10.0	1996	27	27.9	1999	25	1996	29	16+	1997	9.1	4.3	1.3	.4	@	-9.9	-9.9	-9.9	-9.9
Feb	6.8	5.0	11	10	8.5	1983	3	15.9	1991	30	1971	17	25	1971	5.3	2.5	.7	.1	.0	-9.9	-9.9	-9.9	-9.9
Mar	9.8	9.3	6	4	10.0	1989	4	25.4	1989	30	1982	17	17	1972	4.5	2.6	1.1	.3	@	14.4	11.1	7.9	2.0
Apr	2.9	1.6	#	#	7.5	1996	30	14.7	1996	15	1972	2	4	1972	1.3	.9	.4	.1	.0	1.3	.7	.2	.0
May	.0	.0	#	0	.1	1997	1	.1	1997	1	1984	1	#+	1996	@	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	#	0	#	1995	23	#+	1995	#	1995	23	#	1995	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.6	.0	#	0	3.4	1979	23	4.5	1990	3	1995	21	#+	1999	.3	.3	.1	.0	.0	.2	.1	.0	.0
Nov	5.4	5.0	1	1	8.5	1991	24	12.1	1995	14	1991	29	5	1991	4.2	2.2	.7	.2	.0	5.3	2.2	.7	.0
Dec	9.9	9.7	5	5	8.0	1985	2	23.5	1985	22	1985	3	16	1985	8.0	4.2	1.2	.2	.0	25.5	21.1	13.3	2.7
Ann	51.4	46.1	N/A	N/A	10.0+	Jan 1996	27	27.9	Jan 1999	30+	Mar 1982	17	25	Feb 1971	32.7	17.0	5.5	1.3	@	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: MERRILL, WI

COOP ID: 475364

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,253 Feet

Lat: 45° 10N

Lon: 89° 40W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/26	6/19	6/14	6/10	6/05	6/01	5/28	5/23	5/15
32	6/12	6/06	6/02	5/29	5/26	5/22	5/19	5/14	5/08
28	5/24	5/19	5/15	5/12	5/09	5/06	5/03	4/30	4/24
24	5/09	5/03	4/29	4/26	4/23	4/20	4/16	4/13	4/07
20	4/24	4/20	4/17	4/15	4/13	4/11	4/08	4/06	4/02
16	4/19	4/14	4/11	4/09	4/06	4/04	4/01	3/29	3/25
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/18	8/24	8/29	9/02	9/06	9/09	9/13	9/18	9/24
32	9/02	9/08	9/12	9/15	9/19	9/22	9/26	9/30	10/06
28	9/17	9/21	9/25	9/27	9/30	10/02	10/05	10/08	10/13
24	9/27	10/02	10/06	10/10	10/13	10/16	10/19	10/23	10/29
20	10/07	10/13	10/18	10/22	10/26	10/30	11/03	11/08	11/14
16	10/23	10/28	11/01	11/04	11/07	11/10	11/13	11/16	11/22
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	121	111	104	97	91	85	79	72	61
32	140	132	126	120	115	110	105	99	91
28	161	154	150	146	143	139	135	131	125
24	195	187	182	177	172	167	163	157	149
20	221	212	206	200	195	190	185	178	170
16	235	227	222	218	213	209	205	199	192

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: MERRILL, WI

COOP ID: 475364

Climate Division: WI 2 NWS Call Sign: Elevation: 1,253 Feet Lat: 45°10N Lon: 89°40W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1695	1382	1170	710	362	125	44	85	284	629	1038	1506	9030
60	1540	1242	1015	562	242	55	10	28	164	478	888	1351	7575
57	1447	1158	922	475	183	29	2	12	108	392	798	1258	6784
55	1385	1102	860	418	148	18	0	6	79	338	738	1196	6288
50	1230	962	705	288	79	4	0	0	29	217	591	1041	5146
32	686	485	237	25	0	0	0	0	0	12	163	518	2126

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	14	27	90	305	686	933	1103	1031	717	407	114	36	5463
55	0	0	0	8	121	261	390	324	105	19	0	0	1228
57	0	0	0	5	94	212	330	268	75	11	0	0	995
60	0	0	0	2	60	148	244	191	41	5	0	0	691
65	0	0	0	0	24	67	124	93	10	0	0	0	318
70	0	0	0	0	8	21	46	31	1	0	0	0	107

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	21	151	462	706	860	788	486	202	26	1	0	0	21	172	634	1340	2200	2988	3474	3676	3702	3703
45	0	0	8	83	321	557	705	633	345	111	8	0	0	0	8	91	412	969	1674	2307	2652	2763	2771	2771
50	0	0	1	38	200	409	550	479	220	50	1	0	0	0	1	39	239	648	1198	1677	1897	1947	1948	1948
55	0	0	0	15	107	272	395	328	122	20	0	0	0	0	0	15	122	394	789	1117	1239	1259	1259	1259
60	0	0	0	6	50	151	249	192	58	4	0	0	0	0	0	6	56	207	456	648	706	710	710	710
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	18	115	299	446	559	505	303	131	16	0	0	0	18	133	432	878	1437	1942	2245	2376	2392	2392

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: MILWAUKEE MT MARY COL, WI

COOP ID: 475474

Climate Division: WI 9

NWS Call Sign:

Elevation: 726 Feet

Lat: 43°04N

Lon: 88°02W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	28.4	11.5	20.0	59	1950	25	30.3	1990	-27	1951	30	7.1	1977	1397	0	.0	.0	.6	19.1	29.1	6.1
Feb	33.2	15.8	24.5	67	1999	12	35.2	1998	-25	1996	3	14.6	1979	1135	0	.0	.0	1.9	12.4	25.2	2.5
Mar	44.2	25.6	34.9	85+	1986	31	42.9	2000	-15	1962	1	28.1	1984	933	0	.0	.0	8.3	4.0	21.9	.2
Apr	56.7	36.6	46.7	90	1980	22	53.3	1985	11	1954	3	40.5	1975	553	2	.0	@	21.2	.2	8.4	.0
May	69.7	47.8	58.8	95	1988	31	66.5	1977	25	1966	10	51.3	1997	245	51	.0	1.0	30.5	.0	.6	.0
Jun	80.1	57.3	68.7	104+	1988	25	74.0	1988	32	1956	2	63.4	1982	42	153	.2	4.4	30.0	.0	.0	.0
Jul	85.1	63.4	74.3	108	1995	13	78.9	1983	40	1965	6	69.0	1992	6	293	.4	8.0	31.0	.0	.0	.0
Aug	82.3	61.6	72.0	108	1988	1	78.2	1988	41+	1963	18	67.6	1997	15	231	.2	4.5	31.0	.0	.0	.0
Sep	74.2	52.6	63.4	100	1953	1	68.4	1998	27	1956	20	57.7	1993	105	57	.0	1.0	30.0	.0	.1	.0
Oct	61.6	41.4	51.5	90	1963	6	58.3	1971	16+	1952	29	46.0	1988	423	4	.0	.0	27.5	.0	3.8	.0
Nov	46.0	29.2	37.6	78	1950	1	44.0	1999	-8	1950	25	30.1	1976	821	0	.0	.0	10.7	2.5	17.0	.1
Dec	33.8	18.1	26.0	68	2001	6	34.0	1982	-22	1983	24	15.2	1983	1211	0	.0	.0	1.4	12.6	27.1	2.8
Ann	57.9	38.4	48.2	108+	Jul 1995	13	78.9	Jul 1983	-27	Jan 1951	30	7.1	Jan 1977	6886	791	.8	18.9	224.1	50.8	133.2	11.7

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

070-A

**Climatography
of the United States
No. 20
1971-2000**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MILWAUKEE MT MARY COL, WI

COOP ID: 475474

Climate Division: WI 9

NWS Call Sign:

Elevation: 726 Feet Lat: 43°04N

Lon: 88°02W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.60	1.49	1.50+	1965	24	4.12	1979	.33	1981	9.6	4.3	.8	.2	.33	.48	.71	.93	1.14	1.37	1.63	1.94	2.35	3.01	3.63
Feb	1.31	1.26	1.60	1997	21	2.87	1994	.02	1987	7.3	3.4	.7	.1	.13	.22	.40	.58	.78	1.00	1.27	1.60	2.05	2.80	3.53
Mar	1.95	1.77	2.22	1960	30	6.02	1976	.29	1978	8.5	4.6	1.1	.3	.31	.47	.76	1.02	1.30	1.60	1.95	2.38	2.94	3.86	4.75
Apr	3.41	3.16	3.85	1973	21	8.53	1973	1.04	1997	10.7	6.2	2.1	.8	1.04	1.36	1.85	2.26	2.67	3.09	3.55	4.09	4.79	5.89	6.90
May	2.85	2.85	2.91	1978	13	7.50	2000	.35	1988	10.4	5.7	2.0	.5	.63	.89	1.31	1.69	2.06	2.46	2.91	3.45	4.17	5.30	6.37
Jun	3.71	3.33	5.55	1997	21	9.71	1997	.64	1988	9.6	6.3	2.5	.8	.92	1.27	1.81	2.29	2.77	3.27	3.83	4.49	5.36	6.73	8.02
Jul	3.46	3.28	6.37	1964	18	7.14	1989	.66	1988	9.5	5.9	2.4	.8	1.20	1.53	2.00	2.40	2.79	3.18	3.61	4.11	4.75	5.75	6.66
Aug	3.98	3.70	3.80	1998	7	7.59	1998	1.31	1973	9.6	6.5	2.8	1.0	1.45	1.82	2.36	2.81	3.24	3.68	4.16	4.72	5.43	6.52	7.53
Sep	3.38	3.33	3.08	1972	18	8.67	1986	.02	1979	8.9	5.3	2.3	1.0	.37	.63	1.10	1.57	2.08	2.64	3.30	4.13	5.25	7.11	8.91
Oct	2.28	2.37	2.35	1991	4	5.71	1991	.28	1993	9.1	4.6	1.6	.3	.45	.65	.99	1.29	1.61	1.94	2.32	2.78	3.38	4.35	5.27
Nov	2.35	2.14	2.46	1982	1	8.10	1985	.47	1996	9.3	5.1	1.6	.3	.49	.70	1.05	1.36	1.68	2.02	2.40	2.86	3.46	4.43	5.35
Dec	1.81	1.83	1.64	1971	15	5.26	1973	.25	1993	9.1	4.7	.8	.3	.33	.49	.75	1.00	1.25	1.52	1.83	2.21	2.70	3.51	4.27
Ann	32.09	31.58	6.37	Jul 1964	18	9.71	Jun 1997	.02+	Feb 1987	111.6	62.6	20.7	6.4	25.57	26.89	28.54	29.78	30.86	31.90	32.96	34.12	35.51	37.50	39.19

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MILWAUKEE MT MARY COL, WI

COOP ID: 475474

Climate Division: WI 9

NWS Call Sign:

Elevation: 726 Feet

Lat: 43°04N

Lon: 88°02W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	11.3	9.9	5	4	13.0	1999	3	31.6	1982	31	1979	24	21	1979	7.5	4.1	1.3	.5	.1	22.8	17.7	11.9	4.6
Feb	8.4	7.3	5	4	12.0	1994	23	36.3	1994	23	1979	12	21	1979	5.3	2.6	.9	.3	@	16.1	10.7	8.1	3.3
Mar	5.4	3.8	1	#	9.0	1971	19	15.5	1971	16	1994	1	9	1994	3.5	1.7	.5	.2	.0	4.5	2.8	1.4	.2
Apr	1.8	.1	#	#	9.0	1973	9	12.0	1973	10	1973	10	2	1973	.9	.5	.3	.1	.0	.7	.4	.3	@
May	.1	.0	#	0	2.0	1990	10	2.0	1990	2	1990	10	#+	1994	.1	@	.0	.0	.0	.1	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	#	0	1.7	1989	20	2.0	1989	2	1989	20	#+	1995	.1	.1	.0	.0	.0	.1	.0	.0	.0
Nov	2.8	2.2	#	#	7.3	1977	25	14.5	1995	11	1995	29	2	1995	1.9	.7	.3	.1	.0	1.6	.6	.3	.1
Dec	8.1	7.5	2	1	9.5	1987	15	17.2	1978	19	2000	31	8	2000	5.9	3.0	.6	.3	.0	10.5	4.3	2.0	.1
Ann	38.0	30.8	N/A	N/A	13.0	Jan 1999	3	36.3	Feb 1994	31	Jan 1979	24	21+	Feb 1979	25.2	12.7	3.9	1.5	.1	56.4	36.5	24.0	8.3

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: MILWAUKEE MT MARY COL, WI

COOP ID: 475474

Climate Division: WI 9

NWS Call Sign:

Elevation: 726 Feet

Lat: 43°04N

Lon: 88°02W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/24	5/19	5/15	5/12	5/09	5/06	5/03	4/30	4/25
32	5/10	5/05	5/02	4/29	4/27	4/24	4/21	4/18	4/13
28	4/25	4/21	4/18	4/15	4/13	4/10	4/08	4/05	4/01
24	4/15	4/11	4/08	4/06	4/04	4/02	3/30	3/28	3/24
20	4/08	4/03	3/30	3/28	3/25	3/22	3/19	3/15	3/11
16	3/31	3/25	3/21	3/17	3/13	3/10	3/06	3/02	2/23
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/24	9/28	9/30	10/02	10/04	10/06	10/08	10/10	10/14
32	9/30	10/05	10/08	10/11	10/14	10/17	10/20	10/24	10/29
28	10/15	10/20	10/24	10/27	10/30	11/02	11/05	11/09	11/14
24	10/26	10/30	11/02	11/05	11/08	11/10	11/13	11/16	11/21
20	11/05	11/10	11/13	11/16	11/19	11/22	11/25	11/29	12/04
16	11/10	11/16	11/20	11/23	11/27	11/30	12/04	12/08	12/13
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	163	158	154	150	147	144	140	136	130
32	191	184	178	174	170	166	162	156	149
28	217	211	207	203	199	196	192	188	181
24	234	228	224	221	217	214	210	206	200
20	262	254	248	243	239	234	229	224	216
16	286	276	269	263	258	252	246	239	230

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: MILWAUKEE MT MARY COL, WI

COOP ID: 475474

Climate Division: WI 9 NWS Call Sign: Elevation: 726 Feet Lat: 43°04N Lon: 88°02W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1397	1135	933	553	245	42	6	15	105	423	821	1211	6886
60	1242	995	778	410	148	11	0	2	39	284	671	1056	5636
57	1149	911	685	329	103	5	0	0	17	211	582	963	4955
55	1087	855	624	279	78	2	0	0	9	169	523	901	4527
50	932	715	478	171	34	0	0	0	1	86	384	750	3551
32	422	279	97	5	0	0	0	0	0	1	57	283	1144

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	48	68	187	444	829	1101	1310	1238	941	604	225	95	7090
55	0	0	1	28	194	414	597	525	260	59	2	0	2080
57	0	0	0	18	157	356	535	463	209	40	1	0	1779
60	0	0	0	8	109	273	442	372	140	19	0	0	1363
65	0	0	0	2	51	153	293	231	57	4	0	0	791
70	0	0	0	0	19	67	161	118	15	0	0	0	380

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	8	77	257	594	872	1063	1002	729	386	97	8	0	8	85	342	936	1808	2871	3873	4602	4988	5085	5093
45	0	0	40	154	440	722	908	847	579	254	44	2	0	0	40	194	634	1356	2264	3111	3690	3944	3988	3990
50	0	0	20	81	303	572	753	692	433	143	19	0	0	0	20	101	404	976	1729	2421	2854	2997	3016	3016
55	0	0	9	42	186	422	598	537	292	67	4	0	0	0	9	51	237	659	1257	1794	2086	2153	2157	2157
60	0	0	1	17	103	285	443	385	179	26	0	0	0	0	1	18	121	406	849	1234	1413	1439	1439	1439
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	2	46	153	355	565	717	675	452	207	44	2	0	2	48	201	556	1121	1838	2513	2965	3172	3216	3218

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: MILWAUKEE MITCHELL AP, WI

COOP ID: 475479

Climate Division: WI 9

NWS Call Sign: MKE

Elevation: 672 Feet Lat: 42°57N Lon: 87°54W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	28.0	13.4	20.7	60+	1997	4	31.1	1990	-26	1982	17	8.9	1977	1384	0	.0	.0	.5	19.6	29.2	5.9
Feb	32.5	18.3	25.4	68	1999	11	34.6	1998	-26	1996	3	15.8	1979	1124	0	.0	.0	1.4	14.1	25.3	2.7
Mar	42.6	27.3	34.9	82+	1986	31	41.9	2000	-10	1962	1	28.5	1972	948	0	.0	.0	6.7	5.5	22.2	.2
Apr	53.9	36.4	45.2	91	1980	22	50.8	1985	12	1982	7	38.6	1975	611	5	.0	@	17.1	.6	8.2	.0
May	66.0	46.2	56.1	93	1991	28	63.2	1991	21	1966	10	49.6	1997	318	27	.0	.2	28.8	.0	.5	.0
Jun	76.3	56.3	66.3	101+	1988	21	72.2	1987	36+	1969	4	59.8	1982	86	114	.1	2.0	30.0	.0	.0	.0
Jul	81.1	62.9	72.0	103	1995	13	76.5	1999	40	1965	1	67.7	1992	13	222	.1	4.0	31.0	.0	.0	.0
Aug	79.1	62.1	70.6	103	1988	1	75.7	1995	44+	1982	29	66.5	1997	18	180	.1	2.3	31.0	.0	.0	.0
Sep	71.9	54.1	63.0	98	1953	1	67.5	1994	28	1974	23	59.0	1974	134	63	.0	.6	30.0	.0	.1	.0
Oct	60.2	42.6	51.4	89	1963	6	56.5	1971	18	1981	24	45.8	1988	443	5	.0	.0	26.5	.0	3.1	.0
Nov	45.7	31.0	38.4	77	1950	1	45.3	1975	-5	1950	24	30.4	1976	808	0	.0	.0	9.7	2.8	17.1	.1
Dec	33.1	19.4	26.2	68	2001	5	34.5	1994	-20	1983	24	14.4	1983	1200	0	.0	.0	1.6	13.8	27.3	2.8
Ann	55.9	39.2	47.5	103+	Jul 1995	13	76.5	Jul 1999	-26+	Feb 1996	3	8.9	Jan 1977	7087	616	.3	9.1	214.3	56.4	133.0	11.7

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

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071-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
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Station: MILWAUKEE MITCHELL AP, WI

COOP ID: 475479

Climate Division: WI 9

NWS Call Sign: MKE

Elevation: 672 Feet Lat: 42°57N

Lon: 87°54W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.85	1.62	1.54	1988	19	4.38	1999	.31	1981	12.3	5.1	.8	.2	.51	.68	.95	1.18	1.41	1.65	1.91	2.23	2.63	3.27	3.87
Feb	1.65	1.53	1.67	1960	10	3.94	1986	.25	1995	10.1	4.1	1.0	.2	.32	.47	.71	.93	1.16	1.40	1.68	2.01	2.45	3.15	3.83
Mar	2.59	2.68	2.31	1976	4	6.93	1976	.51	1981	11.9	5.7	1.7	.3	.62	.86	1.24	1.58	1.92	2.27	2.67	3.14	3.76	4.74	5.66
Apr	3.78	3.94	3.01	1976	24	7.31	1973	1.31	1971	12.8	7.0	2.6	.9	1.54	1.89	2.38	2.78	3.16	3.55	3.96	4.45	5.05	5.99	6.83
May	3.06	2.81	2.15	1991	22	8.42	2000	.50	1988	10.9	6.3	2.0	.7	.66	.94	1.39	1.80	2.20	2.64	3.13	3.71	4.48	5.72	6.88
Jun	3.56	3.11	4.23	1997	21	9.98	1997	.70	1988	10.7	6.2	2.6	.8	1.05	1.39	1.90	2.34	2.77	3.21	3.70	4.28	5.02	6.19	7.27
Jul	3.58	3.45	4.42	2000	2	7.12	2000	1.06	1979	10.2	6.2	2.4	.9	1.12	1.46	1.97	2.40	2.82	3.25	3.72	4.28	5.00	6.12	7.16
Aug	4.03	3.92	6.81	1986	6	9.05	1987	.95	1973	9.9	7.0	2.5	.8	1.40	1.78	2.34	2.80	3.25	3.71	4.21	4.79	5.54	6.69	7.76
Sep	3.30	3.08	2.96	2000	11	7.57	1972	.02	1979	9.1	5.6	2.2	1.0	.39	.64	1.10	1.56	2.05	2.60	3.24	4.03	5.10	6.87	8.59
Oct	2.49	2.36	2.33	1991	24	7.03	1991	.44	1993	9.6	5.1	1.6	.4	.60	.84	1.20	1.52	1.85	2.19	2.57	3.02	3.61	4.56	5.44
Nov	2.70	2.51	2.22	1998	10	7.11	1985	.63	1996	11.4	5.8	1.5	.5	.70	.95	1.34	1.69	2.03	2.39	2.78	3.26	3.87	4.85	5.76
Dec	2.22	2.19	2.24	1982	2	5.42	1987	.29	1976	11.7	5.5	1.2	.4	.47	.67	1.00	1.29	1.59	1.91	2.27	2.70	3.27	4.19	5.05
Ann	34.81	34.76	6.81	Aug 1986	6	9.98	Jun 1997	.02	Sep 1979	130.6	69.6	22.1	7.1	26.90	28.48	30.48	31.97	33.29	34.56	35.86	37.28	38.99	41.45	43.56

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MILWAUKEE MITCHELL AP, WI

COOP ID: 475479

Climate Division: WI 9

NWS Call Sign: MKE

Elevation: 672 Feet

Lat: 42°57N

Lon: 87°54W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	15.0	14.5	5	3	13.8	1990	25	39.0	1999	33+	1979	27	24	1979	10.4	4.5	1.7	.4	.1	22.3	17.5	12.2	3.7
Feb	11.3	10.2	4	3	11.8	1974	5	42.0	1974	29+	1979	2	23	1979	7.7	2.9	1.1	.6	@	18.4	13.6	9.6	4.3
Mar	7.4	6.3	1	1	8.4	1985	3	18.1	1971	14	1994	1	5	1979	6.1	2.1	.7	.3	.0	8.4	4.8	2.7	.3
Apr	2.6	.8	#	0	11.6	1973	9	15.8	1973	13	1973	10	1+	1982	2.0	.5	.2	.1	.1	1.1	.7	.3	@
May	.1	.0	#	0	3.2	1990	10	3.2	1990	2	1990	10	#	2000	.1	.0	@	.0	.0	@	.0	.0	.0
Jun	.0	.0	#	0	.0	0	0	.0	0	0	0	0	#	1998	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.4	.0	#	0	3.7	1989	19	6.3	1989	3	1976	27	#	1992	.3	.1	@	.0	.0	.1	@	.0	.0
Nov	3.7	2.3	#	0	9.8	1977	25	16.1	1977	11	1977	28	2	1977	3.4	.9	.2	.1	.0	1.9	.9	.4	.1
Dec	11.9	10.5	2	1	13.6	2000	11	48.6	2000	32+	2000	22	16	2000	8.5	3.3	1.0	.5	.1	13.2	6.6	3.3	.8
Ann	52.4	44.6	N/A	N/A	13.8	Jan 1990	25	48.6	Dec 2000	33+	Jan 1979	27	24	Jan 1979	38.5	14.3	4.9	2.0	.3	65.4	44.1	28.5	9.2

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: MILWAUKEE MITCHELL AP, WI

COOP ID: 475479

Climate Division: WI 9

NWS Call Sign: MKE

Elevation: 672 Feet

Lat: 42°57N

Lon: 87°54W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/19	5/15	5/11	5/08	5/06	5/03	4/30	4/27	4/22
32	5/10	5/05	5/01	4/28	4/25	4/22	4/19	4/15	4/10
28	4/24	4/21	4/18	4/16	4/13	4/11	4/09	4/06	4/02
24	4/16	4/11	4/08	4/05	4/02	3/31	3/28	3/24	3/20
20	4/07	4/02	3/29	3/26	3/23	3/20	3/17	3/14	3/09
16	3/29	3/23	3/19	3/16	3/12	3/09	3/06	3/02	2/24
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/24	9/28	10/02	10/04	10/07	10/09	10/12	10/15	10/20
32	10/01	10/07	10/12	10/15	10/19	10/22	10/26	10/30	11/05
28	10/16	10/21	10/24	10/28	10/31	11/02	11/06	11/09	11/14
24	10/27	11/01	11/04	11/07	11/10	11/13	11/16	11/19	11/24
20	11/02	11/08	11/12	11/16	11/19	11/23	11/27	12/01	12/07
16	11/13	11/18	11/22	11/26	11/29	12/02	12/05	12/09	12/15
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	172	166	161	157	153	150	146	141	135
32	198	191	185	181	176	172	167	162	154
28	218	212	207	203	199	196	192	187	180
24	239	233	228	224	221	217	213	208	202
20	266	258	251	246	240	235	230	223	214
16	286	277	271	266	261	256	250	244	235

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: MILWAUKEE MITCHELL AP, WI

COOP ID: 475479

Climate Division: WI 9 NWS Call Sign: MKE Elevation: 672 Feet Lat: 42°57N Lon: 87°54W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1384	1124	948	611	318	86	13	18	134	443	808	1200	7087
60	1218	969	777	448	188	32	1	4	41	284	649	1047	5658
57	1125	885	684	363	133	16	0	0	18	211	560	954	4949
55	1063	829	622	310	102	9	0	0	9	168	502	892	4506
50	908	689	475	191	45	2	0	0	1	84	364	743	3502
32	404	255	89	5	0	0	0	0	0	1	52	283	1089

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	21	43	161	391	735	1018	1229	1185	919	590	223	52	6567
55	0	0	6	25	122	336	516	472	247	54	4	0	1782
57	0	0	4	18	95	283	454	411	199	37	2	0	1503
60	0	0	2	11	63	211	362	319	138	20	1	0	1127
65	0	0	0	5	27	114	222	180	63	5	0	0	616
70	0	0	0	2	9	49	107	78	22	1	0	0	268

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	8	62	194	496	788	989	948	691	360	89	8	0	8	70	264	760	1548	2537	3485	4176	4536	4625	4633
45	0	1	28	107	349	638	834	793	541	227	41	2	0	1	29	136	485	1123	1957	2750	3291	3518	3559	3561
50	0	0	13	53	220	488	679	638	392	123	16	0	0	0	13	66	286	774	1453	2091	2483	2606	2622	2622
55	0	0	6	25	127	344	524	483	256	61	4	0	0	0	6	31	158	502	1026	1509	1765	1826	1830	1830
60	0	0	1	10	64	219	370	329	144	21	0	0	0	0	1	11	75	294	664	993	1137	1158	1158	1158
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	35	108	273	490	665	624	409	178	43	3	0	1	36	144	417	907	1572	2196	2605	2783	2826	2829

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: MINOCQUA DAM, WI

COOP ID: 475516

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,580 Feet Lat: 45°52N

Lon: 89°43W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	19.7	-2.0	8.9	56	1944	24	18.4	1990	-48	1915	28	-2.2	1977	1742	0	.0	.0	.1	27.3	31.0	16.6
Feb	26.5	2.1	14.3	60	1930	19	28.2	1998	-48	1996	3	5.1	1989	1420	0	.0	.0	.4	19.3	28.1	12.9
Mar	36.9	13.0	25.0	78	1910	29	34.9	1973	-36	1962	1	18.8	1996	1242	0	.0	.0	3.8	10.3	29.4	6.6
Apr	51.0	26.9	39.0	90	1952	28	44.8	1987	-18	1924	1	31.0	1995	781	0	.0	.0	15.9	1.5	22.3	.3
May	65.9	40.0	53.0	99	1934	31	62.3	1977	15	1966	10	45.1	1997	398	24	.0	@	28.2	.0	7.6	.0
Jun	73.3	49.5	61.4	99	1910	29	65.9	1991	25+	1929	3	56.1	1982	147	40	.0	.5	29.9	.0	.4	.0
Jul	77.3	54.0	65.7	106	1936	13	71.0	1983	30	1945	1	59.7	1992	69	89	.0	1.1	31.0	.0	.0	.0
Aug	75.3	51.8	63.6	99+	1947	5	68.6	1983	30	1934	28	59.4	1977	104	59	.0	.4	31.0	.0	.0	.0
Sep	65.8	43.7	54.8	95+	1976	8	60.7	1998	19	1945	29	50.1	1974	311	3	.0	.1	28.8	.0	3.1	.0
Oct	53.5	32.8	43.2	86	1976	2	51.6	1971	3	1925	30	37.1	1987	677	0	.0	.0	19.6	.4	16.6	.0
Nov	36.8	20.2	28.5	75	1944	1	36.3	1999	-18+	1976	29	19.3	1995	1095	0	.0	.0	4.4	10.9	27.5	1.6
Dec	23.6	5.5	14.6	57	1982	3	22.5	1997	-36+	1983	20	2.5	1989	1564	0	.0	.0	.1	24.8	30.9	11.0
Ann	50.5	28.1	39.3	106	Jul 1936	13	71.0	Jul 1983	-48+	Feb 1996	3	-2.2	Jan 1977	9550	215	.0	2.1	193.2	94.5	196.9	49.0

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1905-2001

(3) Derived from 1971-2000 serially complete daily data

072-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MINOCQUA DAM, WI

COOP ID: 475516

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,580 Feet Lat: 45°52N

Lon: 89°43W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.24	1.01	1.06	1996	18	3.33	1996	.12	1977	10.2	3.9	.4	@	.22	.33	.51	.68	.85	1.04	1.25	1.51	1.86	2.41	2.95
Feb	.90	.73	1.20	1908	5	2.90	1971	.02	1993	6.9	2.9	.3	.0	.10	.16	.29	.41	.55	.70	.88	1.10	1.40	1.89	2.37
Mar	1.81	1.67	1.93	1973	12	4.71	1973	.42	1978	9.2	4.5	1.0	.1	.43	.60	.87	1.10	1.34	1.59	1.87	2.20	2.63	3.32	3.96
Apr	2.35	2.32	1.96	1938	14	5.35	1982	.31	1971	9.9	5.9	1.3	.2	.67	.89	1.23	1.53	1.81	2.11	2.44	2.83	3.34	4.13	4.87
May	3.29	3.17	3.20	1951	16	7.87	1999	.35	1986	10.6	6.9	2.2	.6	.84	1.15	1.63	2.05	2.47	2.91	3.40	3.98	4.73	5.93	7.05
Jun	3.83	3.73	4.32	1946	24	7.53	1981	1.56	1976	12.1	8.3	2.4	.6	1.75	2.09	2.55	2.93	3.28	3.64	4.01	4.44	4.99	5.81	6.55
Jul	3.99	3.83	5.68	1909	22	6.90	1999	1.09	1975	10.5	7.8	2.9	.6	1.42	1.79	2.34	2.80	3.23	3.68	4.17	4.74	5.47	6.60	7.63
Aug	4.54	3.92	3.59	1978	27	13.77	1978	1.31	1981	10.5	7.5	2.6	1.1	1.54	1.97	2.60	3.13	3.64	4.16	4.74	5.41	6.27	7.60	8.83
Sep	3.88	3.82	4.65	1907	15	7.16	1985	.51	1976	12.2	7.9	2.6	.7	.96	1.32	1.89	2.39	2.89	3.41	3.99	4.69	5.60	7.03	8.38
Oct	2.69	2.49	3.40	1966	15	5.87	1995	.21	1976	11.6	5.9	1.5	.4	.78	1.04	1.42	1.76	2.08	2.42	2.80	3.24	3.81	4.70	5.54
Nov	2.30	2.07	3.00	1908	25	5.87	1991	.43	1981	11.0	5.6	1.3	.3	.53	.75	1.08	1.38	1.68	2.00	2.36	2.78	3.34	4.23	5.06
Dec	1.28	1.23	.91	1950	8	2.61	1982	.14	1976	10.8	4.2	.3	.0	.28	.40	.59	.76	.93	1.11	1.31	1.56	1.88	2.38	2.87
Ann	32.10	31.40	5.68	Jul 1909	22	13.77	Aug 1978	.02	Feb 1993	125.5	71.3	18.8	4.6	22.25	24.14	26.57	28.42	30.07	31.67	33.32	35.15	37.38	40.62	43.42

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1905-2001

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Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MINOCQUA DAM, WI

COOP ID: 475516

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,580 Feet

Lat: 45°52N

Lon: 89°43W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	23.9	24.0	15	14	12.0	1980	7	43.2	1975	39	1971	30	30	1997	10.3	6.5	3.1	1.2	.1	29.1	29.1	28.9	24.8
Feb	15.3	14.8	18	17	13.0	1971	5	42.4	1971	46	1971	6	38	1971	6.5	4.0	2.1	.8	@	27.6	27.6	27.6	26.4
Mar	16.6	17.1	14	12	12.0	1996	25	35.5	1997	40+	1997	15	32	1971	7.1	4.9	2.2	1.2	.1	28.6	27.2	25.5	19.1
Apr	9.2	7.5	3	1	14.0	1985	1	33.0	1993	28	1971	4	15	1996	3.9	3.1	1.2	.5	.1	8.8	6.4	4.4	1.9
May	1.3	.0	#	0	6.0	1973	3	8.5	1997	4	1996	1	#+	1997	.7	.5	.1	.1	.0	.3	.1	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	#	0	1.0	1995	22	1.0	1995	1	1995	22	#	1995	@	@	.0	.0	.0	@	.0	.0	.0
Oct	2.8	1.5	#	#	7.0	2000	7	12.0	1987	5	2000	7	#+	2000	1.7	1.1	.4	.1	.0	1.3	.2	@	.0
Nov	14.0	13.5	2	2	9.0	1993	5	27.0	1985	11+	1991	30	5	1978	6.7	5.1	1.8	.6	.0	13.9	7.4	3.9	.5
Dec	23.3	23.8	8	7	10.0	1972	13	39.5	1972	25	1996	31	20	1985	9.7	6.4	3.3	1.0	.1	28.3	26.6	22.2	9.9
Ann	106.4	102.2	N/A	N/A	14.0	Apr 1985	1	43.2	Jan 1975	46	Feb 1971	6	38	Feb 1971	46.6	31.6	14.2	5.5	.4	137.9	124.6	112.5	82.6

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: MINOCQUA DAM, WI

COOP ID: 475516

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,580 Feet

Lat: 45° 52N

Lon: 89° 43W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/21	6/16	6/12	6/09	6/06	6/03	5/30	5/27	5/21
32	6/11	6/05	6/02	5/30	5/27	5/24	5/21	5/17	5/12
28	5/23	5/18	5/15	5/11	5/08	5/05	5/02	4/29	4/23
24	5/06	5/02	4/30	4/27	4/25	4/23	4/20	4/17	4/13
20	4/30	4/25	4/22	4/19	4/16	4/14	4/11	4/08	4/03
16	4/22	4/18	4/14	4/12	4/09	4/07	4/04	4/01	3/27
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/04	9/07	9/10	9/12	9/14	9/16	9/18	9/21	9/24
32	9/13	9/17	9/21	9/24	9/26	9/29	10/02	10/05	10/10
28	9/18	9/24	9/28	10/01	10/04	10/07	10/11	10/14	10/20
24	10/02	10/08	10/13	10/17	10/21	10/25	10/29	11/03	11/10
20	10/16	10/21	10/25	10/28	10/30	11/02	11/05	11/08	11/13
16	10/26	10/30	11/02	11/05	11/07	11/09	11/12	11/15	11/19
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	118	112	107	103	99	96	92	87	81
32	142	135	130	126	122	118	114	109	102
28	172	164	158	153	148	143	138	132	124
24	203	195	189	183	178	174	168	162	154
20	214	208	203	200	196	192	189	184	178
16	228	222	218	214	211	208	204	200	194

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: MINOCQUA DAM, WI

COOP ID: 475516

Climate Division: WI 2 NWS Call Sign: Elevation: 1,580 Feet Lat: 45°52N Lon: 89°43W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1742	1420	1242	781	398	147	69	104	311	677	1095	1564	9550
60	1587	1280	1087	634	276	67	17	34	181	525	945	1409	8042
57	1494	1196	994	546	215	36	6	14	118	437	855	1316	7227
55	1432	1140	932	490	179	22	1	7	84	381	795	1254	6717
50	1277	1000	777	355	104	5	0	0	30	254	647	1099	5548
32	724	517	273	47	4	0	0	0	0	21	198	566	2350

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	4	21	54	256	653	883	1043	978	682	367	92	25	5058
55	0	0	0	9	116	215	331	272	77	14	0	0	1034
57	0	0	0	5	90	168	274	217	50	8	0	0	812
60	0	0	0	2	58	110	192	144	23	3	0	0	532
65	0	0	0	0	24	40	89	59	3	0	0	0	215
70	0	0	0	0	9	9	25	14	0	0	0	0	57

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	10	111	419	649	806	743	450	171	19	0	0	0	10	121	540	1189	1995	2738	3188	3359	3378	3378
45	0	0	2	56	287	501	651	588	304	89	4	0	0	0	2	58	345	846	1497	2085	2389	2478	2482	2482
50	0	0	0	26	178	357	496	434	186	39	0	0	0	0	0	26	204	561	1057	1491	1677	1716	1716	1716
55	0	0	0	10	99	229	343	283	95	11	0	0	0	0	0	10	109	338	681	964	1059	1070	1070	1070
60	0	0	0	1	46	118	196	151	43	1	0	0	0	0	0	1	47	165	361	512	555	556	556	556
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	10	91	280	398	505	458	264	107	12	0	0	0	10	101	381	779	1284	1742	2006	2113	2125	2125

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: MINONG 5 WSW, WI

COOP ID: 475525

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,075 Feet Lat: 46°04N

Lon: 91°52W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	20.7	-8	10.0	52	1981	25	22.0	1990	-51	1972	15	-.9	1977	1708	0	.0	.0	.1	25.9	31.0	16.1
Feb	28.4	5.8	17.1	60	2000	29	33.0	1998	-46	1996	1	6.5	1989	1340	0	.0	.0	.5	17.6	27.6	11.0
Mar	39.2	18.3	28.8	74	1986	31	36.9	1973	-31	1967	8	21.6	1996	1124	0	.0	.0	5.1	7.4	27.7	4.5
Apr	55.1	31.0	43.1	90	1980	21	49.9	1987	-7	1975	1	36.4	1995	659	1	.0	@	20.8	.5	17.7	.1
May	69.9	43.5	56.7	92	1969	28	64.9	1977	13	1966	9	50.9	1979	291	33	.0	.2	30.2	.0	5.0	.0
Jun	77.0	52.8	64.9	96	1963	30	70.5	1988	26	1966	10	59.6	1982	87	82	.0	1.0	30.0	.0	.2	.0
Jul	80.1	58.2	69.2	100	1974	8	72.6	1983	34	1967	5	62.6	1992	29	157	@	2.4	31.0	.0	.0	.0
Aug	77.7	56.5	67.1	97	1976	19	71.2	1983	31	1964	14	62.4	1977	53	118	.0	1.0	31.0	.0	.0	.0
Sep	68.3	47.6	58.0	98	1976	7	64.8	1998	21	1965	26	52.8	1993	228	17	.0	.1	29.7	.0	1.8	.0
Oct	56.4	36.6	46.5	84	1963	5	51.9+	1973	6	1962	26	40.4	1976	574	0	.0	.0	23.6	.1	12.0	.0
Nov	38.0	22.9	30.5	73	1978	3	38.7	1999	-28	1976	30	21.9	1995	1037	0	.0	.0	4.7	9.2	25.6	1.5
Dec	24.5	6.6	15.6	57+	2001	5	25.7	1997	-44	1983	19	3.2	1983	1532	0	.0	.0	.2	23.0	30.7	10.8
Ann	52.9	31.6	42.3	100	Jul 1974	8	72.6	Jul 1983	-51	Jan 1972	15	-.9	Jan 1977	8662	408	@	4.7	206.9	83.7	179.3	44.0

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1961-2001

(3) Derived from 1971-2000 serially complete daily data

073-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MINONG 5 WSW, WI

COOP ID: 475525

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,075 Feet Lat: 46°04N

Lon: 91°52W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.19	1.10	.75+	1976	2	2.79	1975	.05	1995	9.0	3.8	.4	.0	.18	.28	.45	.61	.78	.97	1.19	1.45	1.81	2.38	2.94
Feb	.86	.67	1.10	2000	15	2.75	1981	.00	1993	6.9	2.8	.4	@	.06	.15	.28	.41	.54	.69	.86	1.06	1.34	1.80	2.24
Mar	1.54	1.34	1.75	1998	30	4.03	1977	.00	1997	8.4	3.9	.7	.2	.34	.56	.82	1.02	1.21	1.41	1.63	1.88	2.20	2.70	3.16
Apr	1.94	1.90	1.71	1969	27	4.13	1981	.27	1997	8.8	5.4	1.2	.2	.50	.68	.96	1.21	1.46	1.71	2.00	2.34	2.78	3.48	4.13
May	3.07	2.90	4.90	1982	11	8.48	1982	.44	1976	10.8	6.2	1.8	.5	.71	.99	1.44	1.84	2.24	2.67	3.15	3.72	4.47	5.66	6.78
Jun	3.73	3.80	3.45	1981	13	7.32	1981	.83	1995	11.9	7.6	2.7	.7	1.49	1.84	2.32	2.73	3.11	3.49	3.91	4.39	5.00	5.94	6.79
Jul	4.34	3.94	5.05	1972	22	9.60	1972	.63	1998	10.8	7.2	2.7	1.1	1.53	1.94	2.53	3.03	3.51	4.00	4.53	5.15	5.95	7.17	8.30
Aug	4.19	4.08	4.06	1978	23	8.42	1973	.78	1976	11.1	6.4	2.6	1.2	1.63	2.02	2.57	3.03	3.47	3.91	4.39	4.94	5.65	6.73	7.72
Sep	3.47	3.05	4.44	1994	15	8.24	1994	.42	1976	10.8	6.5	2.5	.7	.81	1.13	1.64	2.09	2.55	3.03	3.56	4.20	5.04	6.38	7.64
Oct	2.50	2.33	2.27	1970	8	5.52	1971	.04	1999	9.8	5.9	1.5	.4	.52	.74	1.11	1.44	1.78	2.14	2.55	3.04	3.68	4.71	5.69
Nov	1.74	1.64	1.70	1974	1	4.71	1975	.27	1981	8.6	4.4	1.1	.4	.37	.53	.78	1.02	1.25	1.50	1.78	2.11	2.55	3.26	3.93
Dec	1.09	1.15	1.10	1982	28	2.68	1982	.18	1979	9.2	3.8	.2	@	.27	.37	.53	.67	.81	.96	1.12	1.31	1.57	1.97	2.34
Ann	29.66	29.56	5.05	Jul 1972	22	9.60	Jul 1972	.00+	Mar 1997	116.1	63.9	17.8	5.4	19.99	21.82	24.19	26.00	27.61	29.18	30.81	32.62	34.82	38.04	40.84

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1961-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MINONG 5 WSW, WI

COOP ID: 475525

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,075 Feet

Lat: 46°04N

Lon: 91°52W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	15.5	15.8	12	11	10.0	1976	2	30.3	1976	29	1982	24	22	1976	9.0	4.9	1.7	.8	.1	30.9	29.8	26.9	21.1
Feb	12.0	12.0	14	17	11.0	2000	15	22.3	1971	29	1971	5	24	1979	6.7	3.7	1.0	.3	.1	27.8	27.7	26.7	23.4
Mar	10.5	9.2	9	7	15.0	1985	4	25.4	1985	32	1979	4	22	1979	5.0	2.9	1.3	.4	.1	24.5	23.1	20.6	17.6
Apr	4.5	3.3	1	#	12.0	1983	14	18.2	1983	22	1975	1	8	1975	1.7	1.0	.4	.2	.1	5.1	4.2	3.2	.9
May	.1	.0	0	0	2.0	1979	5	2.0	1979	0	0	0	0	0	@	@	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	#	0	#	1995	22	#+	1995	#	1995	22	#	1995	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.7	.0	#	0	4.0	1982	20	4.0+	1982	2	1992	20	#+	1997	.5	.3	@	.0	.0	.1	.0	.0	.0
Nov	7.7	5.5	1	#	9.5	1978	17	23.7	1985	16	1985	30	3	1991	4.5	2.6	.9	.6	.0	7.0	3.6	2.3	.2
Dec	14.9	17.4	6	5	15.0	1982	28	24.7	1982	22	1983	27	17	1983	8.3	5.0	1.3	.4	.1	27.1	19.5	13.2	6.1
Ann	65.9	63.2	N/A	N/A	15.0+	Mar 1985	4	30.3	Jan 1976	32	Mar 1979	4	24	Feb 1979	35.7	20.4	6.6	2.7	.5	122.5	107.9	92.9	69.3

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: MINONG 5 WSW, WI

COOP ID: 475525

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,075 Feet

Lat: 46° 04N

Lon: 91° 52W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/20	6/15	6/11	6/08	6/05	6/02	5/30	5/26	5/21
32	6/07	6/01	5/28	5/25	5/21	5/18	5/15	5/10	5/05
28	5/26	5/21	5/17	5/14	5/11	5/09	5/06	5/02	4/27
24	5/09	5/04	4/30	4/27	4/24	4/21	4/18	4/15	4/10
20	4/27	4/23	4/20	4/18	4/16	4/13	4/11	4/08	4/04
16	4/16	4/13	4/11	4/09	4/07	4/05	4/03	4/01	3/29
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/31	9/05	9/08	9/11	9/14	9/17	9/20	9/23	9/28
32	9/15	9/19	9/21	9/24	9/26	9/28	9/30	10/03	10/07
28	9/21	9/25	9/27	9/29	10/01	10/03	10/06	10/08	10/11
24	10/03	10/08	10/12	10/15	10/19	10/22	10/25	10/29	11/03
20	10/13	10/19	10/23	10/26	10/30	11/02	11/05	11/09	11/15
16	10/21	10/27	10/30	11/03	11/06	11/09	11/12	11/16	11/21
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	122	114	109	105	100	96	92	86	79
32	149	141	136	131	127	122	118	112	104
28	158	153	149	145	142	139	136	132	127
24	200	192	186	181	176	172	167	161	153
20	219	211	206	201	196	192	187	181	173
16	231	224	220	216	212	208	204	200	193

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography
of the United States
No. 20
1971-2000

Station: MINONG 5 WSW, WI

COOP ID: 475525

Climate Division: WI 1 NWS Call Sign: Elevation: 1,075 Feet Lat: 46°04N Lon: 91°52W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1708	1340	1124	659	291	87	29	53	228	574	1037	1532	8662
60	1553	1200	969	513	183	30	6	13	120	423	887	1377	7274
57	1460	1116	876	429	131	13	0	4	72	338	797	1284	6520
55	1398	1060	814	375	102	7	0	2	49	285	737	1222	6051
50	1243	920	660	254	48	1	0	0	13	171	590	1067	4967
32	701	456	203	20	0	0	0	0	0	6	170	543	2099

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	16	40	103	352	765	985	1151	1088	779	455	123	34	5891
55	0	0	0	17	154	302	438	377	137	21	0	0	1446
57	0	0	0	11	121	249	376	317	101	12	0	0	1187
60	0	0	0	5	80	175	289	234	58	4	0	0	845
65	0	0	0	1	33	82	157	118	17	0	0	0	408
70	0	0	0	0	11	25	68	44	3	0	0	0	151

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	1	21	166	515	741	910	847	543	239	25	0	0	1	22	188	703	1444	2354	3201	3744	3983	4008	4008
45	0	1	6	88	369	591	755	692	396	134	10	0	0	1	7	95	464	1055	1810	2502	2898	3032	3042	3042
50	0	0	1	44	238	442	600	537	259	64	1	0	0	0	1	45	283	725	1325	1862	2121	2185	2186	2186
55	0	0	0	17	134	298	445	383	148	26	0	0	0	0	0	17	151	449	894	1277	1425	1451	1451	1451
60	0	0	0	6	70	172	293	237	73	6	0	0	0	0	0	6	76	248	541	778	851	857	857	857
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	14	127	342	475	597	546	322	139	13	0	0	1	15	142	484	959	1556	2102	2424	2563	2576	2576

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: MONDOVI, WI

COOP ID: 475563

Climate Division: WI 4

NWS Call Sign:

Elevation: 830 Feet

Lat: 44°34N

Lon: 91°41W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	24.2	4.0	14.1	55+	1981	26	26.6	1990	-45	1951	30	1.7	1977	1578	0	.0	.0	.2	21.9	30.8	13.6
Feb	31.4	10.2	20.8	61+	2000	29	32.9	1998	-39	1996	3	10.0	1978	1237	0	.0	.0	1.4	14.1	27.1	8.3
Mar	43.3	22.3	32.8	83	1986	29	41.6	2000	-34	1962	1	23.8	1975	998	0	.0	.0	8.4	5.4	25.2	2.4
Apr	59.6	34.9	47.3	91+	1952	30	54.8	1977	1	1982	6	40.4	1975	536	3	.0	.0	23.3	.3	13.5	.0
May	72.0	46.4	59.2	97	2001	16	67.7	1977	20	1967	3	53.9	1997	226	47	.0	.2	30.7	.0	2.9	.0
Jun	79.9	55.9	67.9	99	1985	8	72.3	1988	32	1992	21	62.7	1982	44	130	.0	2.1	30.0	.0	@	.0
Jul	83.5	60.7	72.1	101+	1988	31	75.8	1999	40	1980	23	66.2	1992	11	231	@	4.3	31.0	.0	.0	.0
Aug	80.9	58.6	69.8	104	1948	24	75.6	1988	34	1958	25	65.5	1992	27	175	.1	1.7	31.0	.0	.0	.0
Sep	72.3	49.7	61.0	101	1978	7	67.4	1978	22	1949	29	54.7	1993	160	39	@	.5	29.8	.0	1.1	.0
Oct	60.7	38.2	49.5	90+	1997	3	55.3	1973	9	1952	20	44.4	1976	484	1	.0	@	26.3	@	10.8	.0
Nov	42.3	25.2	33.8	78	1999	8	41.6	1999	-13	1991	26	25.9	1991	938	0	.0	.0	8.0	5.9	23.4	1.0
Dec	28.5	11.1	19.8	65	1998	1	28.5	1997	-38	1983	19	6.4	1983	1401	0	.0	.0	.8	18.4	30.2	7.9
Ann	56.6	34.8	45.7	104	Aug 1948	24	75.8	Jul 1999	-45	Jan 1951	30	1.7	Jan 1977	7640	626	.1	8.8	220.9	66.0	165.0	33.2

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

074-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MONDOVI, WI

COOP ID: 475563

Climate Division: WI 4

NWS Call Sign:

Elevation: 830 Feet

Lat: 44°34N

Lon: 91°41W

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.03	.97	1.15	1967	24	2.60	1996	.03	1974	8.1	3.4	.2	@	.15	.24	.38	.53	.68	.84	1.03	1.25	1.56	2.07	2.55
Feb	.85	.70	1.42	1984	12	2.61	1998	.01	1987	6.5	2.7	.4	.1	.09	.15	.27	.39	.52	.66	.83	1.04	1.33	1.81	2.27
Mar	2.06	1.97	1.89	1993	31	4.55	1998	.42	1980	8.5	5.2	1.0	.4	.50	.70	1.00	1.26	1.53	1.81	2.12	2.49	2.97	3.74	4.46
Apr	3.20	2.74	2.90	1980	9	7.44	1999	1.04	1997	11.0	7.0	2.0	.6	1.08	1.39	1.83	2.20	2.56	2.93	3.34	3.81	4.41	5.35	6.22
May	3.88	3.62	3.16	1975	23	7.26	1982	1.26	1972	10.6	7.2	2.7	.6	1.53	1.89	2.40	2.82	3.22	3.62	4.06	4.57	5.21	6.20	7.09
Jun	4.14	3.52	3.74	1990	13	9.24	2000	1.20	1983	10.8	7.5	2.7	.9	1.28	1.67	2.25	2.76	3.24	3.75	4.30	4.96	5.80	7.11	8.33
Jul	4.54	3.96	3.68	1955	8	9.92	1987	.93	1974	10.6	7.4	3.3	1.1	1.34	1.78	2.42	2.98	3.53	4.09	4.72	5.45	6.40	7.89	9.27
Aug	4.24	3.67	5.04	1975	23	8.83	1975	.70	1976	9.5	6.8	2.9	1.3	1.42	1.82	2.41	2.91	3.39	3.88	4.42	5.05	5.86	7.11	8.27
Sep	4.03	3.47	6.30	1992	16	10.62	1986	.99	1976	9.9	6.1	2.5	1.0	1.01	1.39	1.97	2.49	3.01	3.55	4.15	4.87	5.81	7.30	8.69
Oct	2.17	2.03	3.12	1966	15	5.63	1979	.20	1976	8.4	4.8	1.1	.3	.49	.70	1.01	1.30	1.58	1.88	2.22	2.63	3.16	4.00	4.80
Nov	2.27	1.89	4.13	1991	1	9.57	1991	.08	1976	8.4	4.8	1.4	.4	.27	.44	.76	1.08	1.41	1.79	2.23	2.77	3.51	4.73	5.91
Dec	1.15	1.20	1.56	1965	12	2.99	1982	.26	1997	8.1	3.5	.4	.1	.23	.34	.51	.66	.82	.99	1.17	1.40	1.70	2.18	2.64
Ann	33.56	33.96	6.30	Sep 1992	16	10.62	Sep 1986	.01	Feb 1987	110.4	66.4	20.6	6.8	23.45	25.39	27.88	29.78	31.47	33.10	34.79	36.67	38.94	42.24	45.11

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MONDOVI, WI

COOP ID: 475563

Climate Division: WI 4

NWS Call Sign:

Elevation: 830 Feet

Lat: 44°34N

Lon: 91°41W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	9.9	9.5	7	7	9.0	1988	20	18.4	1988	26	1996	30	19	1971	7.6	4.4	1.1	.5	.0	25.7	20.9	16.7	3.3
Feb	6.2	5.9	8	7	9.0	1971	5	17.0	1971	30	1971	14	25	1971	5.2	2.8	.8	.2	.0	20.6	17.3	13.1	7.8
Mar	8.8	9.2	4	1	8.0	1985	31	26.3	1989	20	1971	3	15	1971	4.4	2.7	1.1	.6	.0	10.4	7.3	5.9	2.8
Apr	1.9	1.0	#	#	8.0	1973	9	8.3	1983	8	1973	9	2	1975	1.5	.6	.1	@	.0	1.2	.7	.3	.0
May	#	.0	0	0	#	1989	6	#+	1989	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.2	.0	#	0	3.3	1992	20	3.3	1992	#+	2000	7	#+	2000	.1	.1	@	.0	.0	.0	.0	.0	.0
Nov	5.7	2.5	1	#	11.0	1991	23	22.2	1991	12	1991	27	5	1991	3.8	2.1	.6	.1	@	5.0	3.1	1.2	.2
Dec	10.9	9.0	3	3	11.5	1985	1	25.1	1985	15	2000	29	8	1996	7.4	3.7	.8	.3	@	20.4	13.6	7.7	.6
Ann	43.6	37.1	N/A	N/A	11.5	Dec 1985	1	26.3	Mar 1989	30	Feb 1971	14	25	Feb 1971	30.0	16.4	4.5	1.7	@	83.3	62.9	44.9	14.7

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: MONDOVI, WI

COOP ID: 475563

Climate Division: WI 4

NWS Call Sign:

Elevation: 830 Feet

Lat: 44°34N

Lon: 91°41W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/11	6/05	6/02	5/29	5/26	5/23	5/20	5/16	5/11
32	5/31	5/26	5/22	5/18	5/15	5/12	5/09	5/04	4/29
28	5/14	5/09	5/05	5/02	4/29	4/26	4/23	4/19	4/14
24	4/30	4/25	4/21	4/18	4/16	4/13	4/10	4/06	4/01
20	4/17	4/14	4/11	4/09	4/07	4/05	4/03	3/31	3/28
16	4/13	4/09	4/06	4/03	3/31	3/28	3/26	3/22	3/18
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/07	9/10	9/13	9/15	9/17	9/19	9/21	9/23	9/27
32	9/18	9/22	9/24	9/26	9/28	9/30	10/03	10/05	10/09
28	9/24	9/28	10/01	10/04	10/06	10/09	10/11	10/14	10/19
24	10/05	10/10	10/13	10/17	10/20	10/23	10/26	10/29	11/04
20	10/11	10/16	10/20	10/23	10/27	10/30	11/02	11/06	11/12
16	10/22	10/28	11/01	11/04	11/07	11/10	11/14	11/18	11/23
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	131	125	120	116	113	109	105	101	94
32	152	146	142	139	135	132	128	124	119
28	178	172	167	163	159	155	152	147	140
24	207	200	195	190	186	182	178	173	166
20	222	215	210	206	202	198	194	189	182
16	243	235	230	225	220	216	211	205	198

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States**
No. 20
1971-2000

Station: MONDOVI, WI

COOP ID: 475563

Climate Division: WI 4 NWS Call Sign: Elevation: 830 Feet Lat: 44°34N Lon: 91°41W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1578	1237	998	536	226	44	11	27	160	484	938	1401	7640
60	1423	1097	843	396	131	11	0	5	73	338	788	1246	6351
57	1330	1013	750	318	88	4	0	1	40	259	698	1153	5654
55	1268	957	690	271	64	2	0	0	24	212	639	1091	5218
50	1113	818	546	168	25	0	0	0	5	115	497	936	4223
32	588	373	150	8	0	0	0	0	0	2	119	437	1677

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	34	60	175	464	844	1077	1243	1171	869	542	171	60	6710
55	0	0	2	37	196	388	530	458	204	39	1	0	1855
57	0	0	0	25	157	330	468	397	159	24	0	0	1560
60	0	0	0	12	107	248	375	308	102	10	0	0	1162
65	0	0	0	3	47	130	231	175	39	1	0	0	626
70	0	0	0	0	16	51	115	79	9	0	0	0	270

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	4	50	249	588	827	983	914	619	304	51	3	0	4	54	303	891	1718	2701	3615	4234	4538	4589	4592
45	0	1	22	152	435	677	828	759	472	186	20	1	0	1	23	175	610	1287	2115	2874	3346	3532	3552	3553
50	0	1	9	80	292	527	673	604	331	103	5	0	0	1	10	90	382	909	1582	2186	2517	2620	2625	2625
55	0	0	1	41	176	379	518	449	211	47	1	0	0	0	1	42	218	597	1115	1564	1775	1822	1823	1823
60	0	0	0	16	91	241	365	296	113	17	0	0	0	0	0	16	107	348	713	1009	1122	1139	1139	1139
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	34	175	374	540	660	603	385	192	30	1	0	1	35	210	584	1124	1784	2387	2772	2964	2994	2995

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: MONTELLO, WI

COOP ID: 475581

Climate Division: WI 5

NWS Call Sign:

Elevation: 786 Feet Lat: 43°47N Lon: 89°19W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	25.3	4.4	14.9	52+	1998	4	27.5	1990	-35+	1977	9	1.3	1977	1555	0	.0	.0	.3	22.2	30.8	11.5
Feb	31.0	9.6	20.3	65	1984	23	32.5	1998	-33	1996	3	9.1	1979	1251	0	.0	.0	1.4	14.9	27.4	7.3
Mar	42.4	21.8	32.1	84	1986	30	40.1	2000	-30	1962	1	24.6	1984	1020	0	.0	.0	7.5	5.5	25.4	1.5
Apr	56.6	33.6	45.1	92	1980	22	52.0	1977	10+	1979	6	39.5	1975	597	1	.0	@	21.3	.3	13.9	.0
May	69.5	45.4	57.5	93	1967	26	63.2	1977	22	1966	9	51.8	1983	271	37	.0	.3	30.3	.0	2.2	.0
Jun	78.9	54.5	66.7	102+	1988	22	70.8	1988	31+	1992	21	61.9	1982	53	104	.1	2.7	30.0	.0	.1	.0
Jul	82.8	59.3	71.1	104	1995	14	74.4	1999	40+	1968	29	66.4	1992	11	199	.1	4.8	31.0	.0	.0	.0
Aug	79.9	56.8	68.4	103	1988	2	73.9	1995	35+	1965	29	63.9	1977	43	147	.1	2.2	31.0	.0	.0	.0
Sep	71.6	47.9	59.8	97+	1978	8	64.8	1998	25+	1991	28	54.4	1993	182	25	.0	.5	29.9	.0	1.2	.0
Oct	59.9	36.2	48.1	87	1963	6	55.1	1971	11+	1988	30	42.7	1976	527	1	.0	.0	26.1	.0	10.5	.0
Nov	43.5	24.2	33.9	76+	1999	10	42.2	1999	-12	1976	29	25.4	1976	934	0	.0	.0	8.2	4.4	23.1	.5
Dec	30.3	11.4	20.9	65	1998	4	28.6	1998	-34	1983	19	7.4	1983	1370	0	.0	.0	1.2	17.0	29.6	6.5
Ann	56.0	33.8	44.9	104	Jul 1995	14	74.4	Jul 1999	-35+	Jan 1977	9	1.3	Jan 1977	7814	514	.3	10.5	218.2	64.3	164.2	27.3

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1954-2001

(3) Derived from 1971-2000 serially complete daily data

075-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MONTELLO, WI

COOP ID: 475581

Climate Division: WI 5

NWS Call Sign:

Elevation: 786 Feet

Lat: 43°47N

Lon: 89°19W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.31	1.35	1.09	1988	20	2.63	1988	.10	1981	6.7	4.2	.6	@	.23	.34	.53	.71	.89	1.09	1.32	1.59	1.96	2.55	3.11
Feb	1.17	1.22	1.00	1998	14	2.78	1981	.04	1987	5.9	3.4	.7	.1	.12	.21	.37	.53	.71	.90	1.14	1.43	1.83	2.49	3.14
Mar	2.21	2.27	2.75	1998	31	4.53	1998	.25	1978	7.4	5.3	1.5	.4	.48	.68	1.01	1.30	1.60	1.91	2.26	2.69	3.24	4.13	4.97
Apr	3.34	3.22	2.37	1955	24	8.05	1973	.83	1989	10.1	7.0	2.4	.6	1.35	1.66	2.09	2.45	2.79	3.13	3.50	3.93	4.47	5.30	6.05
May	3.48	3.35	2.59	1960	6	7.35	1973	.92	1988	9.4	6.9	2.3	.8	1.22	1.55	2.03	2.43	2.81	3.21	3.64	4.14	4.78	5.77	6.68
Jun	4.14	3.46	3.42	1984	17	8.93	1984	.87	1988	9.0	7.1	2.8	1.2	1.09	1.49	2.09	2.61	3.13	3.68	4.28	5.00	5.94	7.41	8.79
Jul	4.14	3.74	4.03	1985	25	10.75	1999	.89	1973	8.7	6.8	3.0	1.1	1.41	1.80	2.37	2.86	3.32	3.80	4.32	4.93	5.71	6.93	8.04
Aug	4.38	4.12	2.98	1979	9	10.70	1980	1.13	1976	9.3	7.4	2.9	1.2	1.24	1.66	2.29	2.83	3.37	3.92	4.54	5.27	6.21	7.69	9.06
Sep	3.81	3.12	4.91	1986	22	14.77	1986	.58	1975	8.3	6.4	2.8	1.1	.51	.82	1.36	1.89	2.45	3.06	3.78	4.66	5.85	7.79	9.67
Oct	2.26	2.06	3.15	1954	3	4.57	1984	.15	1975	7.8	5.4	1.5	.4	.65	.87	1.19	1.47	1.75	2.03	2.35	2.72	3.20	3.96	4.66
Nov	2.41	2.11	2.12	1992	21	5.42	1985	.07	1976	8.0	5.4	1.4	.4	.44	.66	1.01	1.34	1.67	2.03	2.44	2.93	3.59	4.65	5.66
Dec	1.38	1.35	1.73	1959	27	2.95	1977	.22	1993	6.9	4.2	.7	.1	.32	.44	.65	.83	1.01	1.20	1.41	1.67	2.01	2.54	3.05
Ann	34.03	35.39	4.91	Sep 1986	22	14.77	Sep 1986	.04	Feb 1987	97.5	69.5	22.6	7.4	26.68	28.16	30.02	31.42	32.64	33.82	35.02	36.34	37.92	40.19	42.13

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1954-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MONTELLO, WI

COOP ID: 475581

Climate Division: WI 5

NWS Call Sign:

Elevation: 786 Feet

Lat: 43° 47'N

Lon: 89° 19'W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	12.7	11.4	7	6	14.0	1996	27	25.0	1994	35	1979	24	23	1979	4.7	3.8	1.3	.7	.1	25.9	21.0	16.4	10.2
Feb	7.5	7.8	7	6	8.0	1976	21	18.0+	1976	31	1979	12	28	1979	3.5	2.9	1.0	.3	.0	25.0	20.5	15.2	7.8
Mar	7.4	7.3	3	2	10.0	1972	29	15.6	1997	21	1979	1	11	1979	2.7	2.3	.9	.5	@	14.5	9.7	7.2	1.8
Apr	2.6	1.0	#	#	10.0	1973	9	14.0	1973	14	1973	10	2	1973	1.1	.9	.3	.1	@	2.0	.8	.3	.1
May	.1	.0	#	0	1.5	1990	10	1.5	1990	2	1990	10	#+	1994	@	@	.0	.0	.0	@	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.2	.0	#	0	3.0	1997	27	3.0	1997	3	1997	27	#+	1997	.1	.1	@	.0	.0	.1	@	.0	.0
Nov	5.2	4.9	1	#	7.0	1985	9	15.0	1985	11	1977	27	2	1985	2.4	2.0	.7	.2	.0	5.2	2.2	1.1	@
Dec	11.0	6.3	4	2	10.0	1977	20	29.1	2000	24	1985	31	18	1985	4.7	3.7	1.0	.5	@	20.7	13.9	9.4	3.7
Ann	46.7	38.7	N/A	N/A	14.0	Jan 1996	27	29.1	Dec 2000	35	Jan 1979	24	28	Feb 1979	19.2	15.7	5.2	2.3	.1	93.4	68.1	49.6	23.6

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: MONTELLO, WI

COOP ID: 475581

Climate Division: WI 5

NWS Call Sign:

Elevation: 786 Feet

Lat: 43° 47N

Lon: 89° 19W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/09	6/03	5/29	5/26	5/22	5/19	5/15	5/11	5/05
32	5/29	5/23	5/18	5/14	5/11	5/07	5/04	4/29	4/23
28	5/12	5/07	5/03	4/30	4/27	4/24	4/21	4/18	4/13
24	4/22	4/18	4/15	4/13	4/11	4/09	4/07	4/04	4/01
20	4/14	4/11	4/08	4/06	4/04	4/02	3/30	3/28	3/24
16	4/09	4/05	4/02	3/30	3/27	3/25	3/22	3/19	3/15
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/10	9/14	9/17	9/19	9/21	9/23	9/26	9/29	10/02
32	9/19	9/23	9/26	9/28	10/01	10/03	10/05	10/08	10/12
28	9/22	9/27	10/01	10/04	10/08	10/11	10/14	10/18	10/23
24	10/07	10/13	10/17	10/20	10/24	10/27	10/30	11/03	11/09
20	10/21	10/25	10/28	10/30	11/02	11/04	11/06	11/09	11/13
16	10/27	11/02	11/06	11/10	11/13	11/17	11/20	11/25	11/30
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	141	134	129	125	121	117	113	108	101
32	163	156	150	146	142	138	134	129	122
28	182	175	170	166	163	159	155	150	144
24	216	209	204	199	195	190	186	180	173
20	226	221	217	214	211	208	205	201	196
16	255	247	240	235	230	225	220	214	205

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States**
No. 20
1971-2000

Station: MONTELLO, WI

COOP ID: 475581

Climate Division: WI 5 NWS Call Sign: Elevation: 786 Feet Lat: 43°47N Lon: 89°19W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1555	1251	1020	597	271	53	11	43	182	527	934	1370	7814
60	1400	1111	865	452	167	14	0	10	86	380	784	1215	6484
57	1307	1027	772	369	118	5	0	3	48	299	694	1122	5764
55	1245	971	710	317	91	3	0	1	30	250	635	1060	5313
50	1090	831	560	203	41	0	0	0	7	146	491	905	4274
32	566	371	144	9	0	0	0	0	0	5	110	412	1617

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	34	45	147	403	789	1041	1210	1128	833	502	165	66	6363
55	0	0	0	22	166	354	497	415	173	34	1	0	1662
57	0	0	0	13	131	296	435	356	130	21	0	0	1382
60	0	0	0	6	88	215	342	270	78	9	0	0	1008
65	0	0	0	1	37	104	199	147	25	1	0	0	514
70	0	0	0	0	12	33	89	63	4	0	0	0	201

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	1	53	219	571	823	986	906	620	294	55	4	0	1	54	273	844	1667	2653	3559	4179	4473	4528	4532
45	0	0	23	127	423	673	831	751	474	179	26	1	0	0	23	150	573	1246	2077	2828	3302	3481	3507	3508
50	0	0	9	66	284	524	676	596	331	96	7	0	0	0	9	75	359	883	1559	2155	2486	2582	2589	2589
55	0	0	3	39	170	378	521	441	205	43	1	0	0	0	3	42	212	590	1111	1552	1757	1800	1801	1801
60	0	0	1	16	86	241	366	292	112	11	0	0	0	0	1	17	103	344	710	1002	1114	1125	1125	1125
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	35	147	350	530	652	593	382	183	33	2	0	0	35	182	532	1062	1714	2307	2689	2872	2905	2907

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: NECEDAH, WI

COOP ID: 475786

Climate Division: WI 5

NWS Call Sign:

Elevation: 925 Feet

Lat: 44°02N

Lon: 90°05W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	25.3	5.6	15.5	58	1981	25	27.9	1990	-46	1963	15	1.7	1977	1536	0	.0	.0	.5	21.5	30.8	12.4
Feb	32.1	11.2	21.7	64	1984	22	33.3	1998	-41	1996	3	11.0	1978	1215	0	.0	.0	1.8	13.9	26.8	8.2
Mar	43.7	22.0	32.9	85	1986	29	41.4	2000	-40	1962	1	24.8	1975	997	0	.0	.0	9.1	4.7	26.0	2.6
Apr	59.2	33.8	46.5	93	1980	22	52.6	1985	-1	1969	1	38.8	1975	557	3	.0	.1	22.9	.2	14.4	.0
May	72.5	45.5	59.0	93+	1978	27	66.0	1977	16	1966	10	53.3	1997	230	43	.0	.6	30.9	.0	4.2	.0
Jun	80.7	54.5	67.6	101	1988	21	71.9	1988	28	1964	1	61.7	1982	48	125	.1	3.6	30.0	.0	.1	.0
Jul	84.2	59.8	72.0	104+	1995	14	76.0	1983	37+	1962	31	66.3	1992	11	227	.3	6.5	31.0	.0	.0	.0
Aug	81.4	57.5	69.5	105+	1988	17	75.6	1995	28	1965	29	65.4	1992	30	168	.2	3.2	31.0	.0	@	.0
Sep	72.8	48.9	60.9	98	1978	8	65.5	1978	18	1974	22	54.7	1993	160	37	.0	.7	29.9	.0	2.3	.0
Oct	60.7	37.9	49.3	92+	1976	2	57.1	1971	5	1988	30	43.5	1976	489	2	.0	.1	26.7	.0	11.1	.0
Nov	42.8	25.6	34.2	75+	1999	9	41.7	1999	-19	1976	30	25.4	1976	924	0	.0	.0	8.7	4.8	23.1	.8
Dec	29.4	12.2	20.8	64+	2001	5	28.5	1982	-32+	1967	31	9.8	2000	1371	0	.0	.0	1.1	17.2	30.0	7.1
Ann	57.1	34.5	45.8	105+	Aug 1988	17	76.0	Jul 1983	-46	Jan 1963	15	1.7	Jan 1977	7568	605	.6	14.8	223.6	62.3	168.8	31.1

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1953-2001

(3) Derived from 1971-2000 serially complete daily data

076-A

**Climatography
of the United States
No. 20
1971-2000**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: NECEDAH, WI

COOP ID: 475786

Climate Division: WI 5

NWS Call Sign:

Elevation: 925 Feet Lat: 44°02N

Lon: 90°05W

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.97	.88	1.22	1996	18	2.57	1996	.00	1981	6.4	3.8	.3	@	.22	.36	.51	.64	.76	.89	1.02	1.18	1.38	1.69	1.98
Feb	.90	.77	1.26	1966	8	2.49	1971	.06	1995	5.0	2.9	.5	.0	.13	.20	.33	.46	.59	.73	.89	1.10	1.37	1.81	2.24
Mar	1.91	1.85	2.03	1998	31	3.72	1998	.23	1999	6.9	4.6	1.1	.3	.41	.59	.87	1.12	1.37	1.65	1.95	2.32	2.80	3.57	4.30
Apr	3.04	2.97	2.79	1994	25	6.00	1994	.84	1989	9.0	6.7	2.0	.6	1.10	1.38	1.80	2.14	2.47	2.81	3.17	3.60	4.15	4.99	5.76
May	3.46	3.25	3.27	1989	25	7.32	1973	.69	1988	9.2	6.4	2.1	1.0	1.02	1.35	1.85	2.27	2.69	3.12	3.60	4.16	4.88	6.02	7.07
Jun	3.74	3.44	3.75	2000	1	9.84	2000	.46	1983	9.2	6.8	2.5	.9	.76	1.11	1.66	2.16	2.66	3.21	3.82	4.55	5.53	7.09	8.56
Jul	4.30	3.82	4.54	1991	17	13.45	1999	.95	1998	9.3	7.4	2.9	1.0	1.25	1.65	2.27	2.80	3.32	3.86	4.46	5.16	6.07	7.50	8.83
Aug	4.66	4.09	5.00	1980	7	13.10	1980	1.11	1976	9.1	7.0	3.4	1.3	1.24	1.68	2.36	2.95	3.53	4.14	4.81	5.62	6.66	8.30	9.84
Sep	3.79	3.06	3.07	1994	26	10.31	1972	.40	1979	8.8	6.7	2.2	1.0	.55	.86	1.41	1.93	2.48	3.08	3.78	4.63	5.77	7.64	9.44
Oct	2.25	2.00	3.01	1959	24	5.68	1984	.49	2000	7.6	5.5	1.5	.3	.68	.89	1.21	1.49	1.76	2.03	2.34	2.70	3.16	3.89	4.56
Nov	2.14	1.70	1.96	1985	1	5.08	1982	.00	1976	7.2	4.7	1.4	.4	.25	.52	.88	1.18	1.49	1.82	2.20	2.64	3.23	4.18	5.08
Dec	1.18	1.29	1.10	1990	3	2.39	1984	.23	1980	6.0	3.8	.6	@	.23	.34	.51	.67	.83	1.01	1.20	1.44	1.75	2.26	2.74
Ann	32.34	34.08	5.00	Aug 1980	7	13.45	Jul 1999	.00+	Jan 1981	93.7	66.3	20.5	6.8	24.11	25.73	27.79	29.35	30.72	32.04	33.40	34.89	36.69	39.30	41.54

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1953-2001

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Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: NECEDAH, WI

COOP ID: 475786

Climate Division: WI 5

NWS Call Sign:

Elevation: 925 Feet

Lat: 44°02N

Lon: 90°05W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	9.0	9.0	8	6	12.0	1988	20	23.0	1979	36	1986	4	22	1979	4.4	3.7	1.1	.3	.1	26.4	20.0	17.0	10.2
Feb	5.9	5.0	8	7	8.0	1971	5	16.0	1971	37	1979	13	34	1979	2.9	2.3	.7	.1	.0	23.1	18.6	15.3	10.0
Mar	5.4	3.3	3	1	10.0	1989	3	15.5	1977	31	1975	14	17	1971	1.9	1.8	.8	.2	@	11.7	7.3	5.0	2.5
Apr	1.7	.2	#	#	8.0	1977	4	8.0	1977	8	1977	5	2	1971	.7	.7	.2	@	.0	1.1	.2	.1	.0
May	#	.0	0	0	#	1989	6	#+	1989	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.3	.0	#	0	4.0	1992	20	4.0	1992	3	1990	10	#+	1999	.2	.1	.1	.0	.0	@	@	.0	.0
Nov	3.6	2.3	1	#	7.0	1992	26	16.6	1985	9	1985	30	3	1985	1.7	1.2	.5	.2	.0	3.7	2.3	.9	.0
Dec	8.7	5.5	4	3	16.0	1985	1	27.0	1985	34	1985	31	30	1985	3.5	3.1	1.0	.4	.1	21.7	13.0	8.9	3.8
Ann	34.6	25.3	N/A	N/A	16.0	Dec 1985	1	27.0	Dec 1985	37	Feb 1979	13	34	Feb 1979	15.3	12.9	4.4	1.2	.2	87.7	61.4	47.2	26.5

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: NECEDAH, WI

COOP ID: 475786

Climate Division: WI 5

NWS Call Sign:

Elevation: 925 Feet

Lat: 44°02N

Lon: 90°05W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/18	6/12	6/09	6/06	6/03	5/31	5/27	5/24	5/19
32	6/02	5/28	5/25	5/21	5/18	5/15	5/12	5/09	5/03
28	5/19	5/14	5/11	5/08	5/05	5/02	4/29	4/25	4/20
24	5/09	5/03	4/29	4/25	4/22	4/18	4/14	4/10	4/04
20	4/25	4/21	4/18	4/15	4/13	4/11	4/08	4/05	4/01
16	4/17	4/13	4/10	4/08	4/05	4/03	4/01	3/29	3/25
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/22	8/28	9/02	9/06	9/09	9/12	9/16	9/21	9/27
32	9/07	9/12	9/15	9/17	9/20	9/22	9/24	9/27	10/02
28	9/20	9/24	9/27	9/30	10/02	10/05	10/07	10/10	10/14
24	9/27	10/02	10/06	10/09	10/12	10/15	10/18	10/22	10/27
20	10/06	10/12	10/16	10/20	10/23	10/27	10/31	11/04	11/10
16	10/18	10/23	10/27	10/30	11/02	11/05	11/08	11/12	11/17
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	121	113	107	102	98	93	88	82	74
32	141	135	130	127	123	120	116	112	106
28	169	163	158	154	150	146	142	137	130
24	197	189	183	178	173	168	163	157	149
20	216	208	202	197	193	188	183	177	169
16	227	221	217	213	210	207	203	199	193

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States**
No. 20
1971-2000

Station: NECEDAH, WI

COOP ID: 475786

Climate Division: WI 5 NWS Call Sign: Elevation: 925 Feet Lat: 44°02N Lon: 90°05W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1536	1215	997	557	230	48	11	30	160	489	924	1371	7568
60	1381	1075	842	415	133	12	0	6	74	344	774	1216	6272
57	1288	991	750	337	89	4	0	1	40	266	684	1123	5573
55	1226	935	689	288	66	2	0	0	25	220	626	1061	5138
50	1071	795	543	182	26	0	0	0	5	123	484	906	4135
32	546	347	141	10	0	0	0	0	0	3	112	407	1566

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	33	56	167	445	836	1068	1240	1161	867	540	179	59	6651
55	0	0	1	34	189	379	527	448	201	43	2	0	1824
57	0	0	0	23	150	322	465	387	157	28	0	0	1532
60	0	0	0	11	102	240	372	299	100	13	0	0	1137
65	0	0	0	3	43	125	227	168	37	2	0	0	605
70	0	0	0	0	14	48	111	75	8	0	0	0	256

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	6	55	240	580	824	993	914	629	314	57	2	0	6	61	301	881	1705	2698	3612	4241	4555	4612	4614
45	0	1	24	143	429	674	838	759	480	194	23	2	0	1	25	168	597	1271	2109	2868	3348	3542	3565	3567
50	0	0	12	78	285	524	683	604	343	107	4	0	0	0	12	90	375	899	1582	2186	2529	2636	2640	2640
55	0	0	5	36	173	377	528	450	217	51	2	0	0	0	5	41	214	591	1119	1569	1786	1837	1839	1839
60	0	0	1	15	89	243	373	297	123	20	0	0	0	0	1	16	105	348	721	1018	1141	1161	1161	1161
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	41	175	383	544	658	605	403	204	33	1	0	1	42	217	600	1144	1802	2407	2810	3014	3047	3048

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: NEILLSVILLE 3 SW, WI

COOP ID: 475808

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,035 Feet Lat: 44°32N

Lon: 90°38W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	22.0	.1	11.1	57	1981	25	22.7	1990	-48	1951	30	-.8	1977	1673	0	.0	.0	.1	23.9	30.9	13.7
Feb	28.6	6.1	17.4	59	1981	17	28.4	1998	-40	1951	2	8.2	1989	1335	0	.0	.0	.9	16.0	27.8	8.3
Mar	40.4	18.1	29.3	83	1986	29	37.8	2000	-39	1962	1	22.0	1975	1109	0	.0	.0	6.7	6.5	27.4	2.7
Apr	55.5	31.1	43.3	90	1952	30	50.0	1977	3+	1995	4	36.6	1975	651	0	.0	.0	21.5	.5	16.9	.0
May	68.4	42.1	55.3	92	1959	2	63.7	1977	15	1976	4	49.4	1997	324	21	.0	@	30.6	.0	3.9	.0
Jun	77.1	51.7	64.4	99+	1988	21	69.3+	1995	22	1998	4	59.4	1982	96	79	.0	1.6	30.0	.0	.4	.0
Jul	81.0	56.1	68.6	102	1995	13	72.7	1988	35+	1998	25	62.8	1992	35	146	@	2.9	31.0	.0	.0	.0
Aug	78.7	54.5	66.6	103	1948	25	72.4	1995	33	1965	29	62.0	1992	63	112	.1	1.6	31.0	.0	.0	.0
Sep	69.9	44.7	57.3	96	1948	5	62.3	1978	21+	1998	24	50.5	1993	242	12	.0	.2	29.7	.0	2.8	.0
Oct	58.4	33.9	46.2	92	1976	1	53.4	1971	8	1988	30	40.0	1988	585	0	.0	@	24.9	@	12.7	.0
Nov	40.5	20.7	30.6	81	1950	1	39.3	1999	-16+	1976	29	23.4	1976	1032	0	.0	.0	6.6	6.8	25.7	1.0
Dec	26.4	7.0	16.7	64	2001	6	24.1+	1982	-36	1951	24	5.1	1985	1498	0	.0	.0	.6	20.3	30.7	8.8
Ann	53.9	30.5	42.2	103	Aug 1948	25	72.7	Jul 1988	-48	Jan 1951	30	-.8	Jan 1977	8643	370	.1	6.3	213.6	74.0	179.2	34.5

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: NEILLSVILLE 3 SW, WI

COOP ID: 475808

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,035 Feet Lat: 44°32N

Lon: 90°38W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.91	.77	1.03	1967	25	2.76	1996	.00	1981	6.4	3.1	.3	.0	.11	.22	.38	.51	.64	.78	.94	1.12	1.37	1.77	2.15
Feb	.82	.61	.85	1953	19	3.92	1971	.00	1987	5.2	2.9	.3	.0	.07	.17	.30	.42	.55	.68	.83	1.02	1.27	1.67	2.05
Mar	1.67	1.60	1.43	1990	14	3.27	1976	.25	1978	6.8	4.5	.9	.1	.46	.61	.85	1.06	1.27	1.49	1.73	2.01	2.38	2.95	3.49
Apr	2.77	2.47	2.35	1975	28	5.18	1975	.68	1989	9.1	6.3	1.8	.4	.95	1.21	1.59	1.91	2.22	2.54	2.89	3.30	3.82	4.62	5.37
May	3.38	3.39	3.07	1955	29	9.40	1973	1.14	1986	9.0	7.0	2.2	.7	1.12	1.44	1.91	2.31	2.69	3.09	3.52	4.03	4.68	5.70	6.63
Jun	4.37	4.06	4.83	1986	27	10.57	1993	.55	1983	10.2	7.5	2.6	1.2	.98	1.38	2.02	2.60	3.17	3.79	4.47	5.30	6.38	8.11	9.73
Jul	4.54	3.98	4.38	1978	1	11.85	1999	.68	1998	9.6	6.9	3.2	1.1	1.24	1.67	2.33	2.90	3.46	4.05	4.70	5.47	6.47	8.04	9.51
Aug	4.63	4.18	5.00	1980	8	12.62	1980	.81	1976	9.1	7.4	3.1	1.3	1.45	1.89	2.54	3.10	3.64	4.20	4.82	5.54	6.47	7.92	9.26
Sep	3.94	2.99	3.45	1978	12	10.47	1986	.60	1976	9.5	6.8	2.5	.9	.77	1.13	1.71	2.24	2.77	3.35	4.00	4.79	5.83	7.50	9.09
Oct	2.29	2.14	2.56	1966	15	5.30	1995	.33	1976	7.2	4.9	1.3	.5	.56	.78	1.11	1.41	1.70	2.01	2.36	2.78	3.32	4.18	4.98
Nov	2.05	1.78	2.27	1975	10	5.39	1991	.00	1976	6.8	4.6	1.4	.3	.20	.44	.78	1.08	1.39	1.71	2.09	2.54	3.13	4.10	5.02
Dec	1.03	.91	1.28+	1972	30	2.68+	1984	.20	1989	6.4	3.5	.3	.1	.22	.32	.47	.60	.74	.89	1.05	1.25	1.51	1.92	2.31
Ann	32.40	32.70	5.00	Aug 1980	8	12.62	Aug 1980	.00+	Feb 1987	95.3	65.4	19.9	6.6	23.24	25.02	27.29	29.01	30.54	32.02	33.55	35.23	37.27	40.23	42.78

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: NEILLSVILLE 3 SW, WI

COOP ID: 475808

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,035 Feet

Lat: 44°32N

Lon: 90°38W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	10.9	11.0	8	8	10.5	1993	13	24.0	1971	32	1971	31	23	1971	4.9	4.7	1.5	.6	.1	27.5	23.9	19.6	11.1
Feb	7.2	7.0	10	9	8.0	1983	3	14.0	1975	44	1971	10	33	1971	3.6	3.5	.9	.2	.0	24.6	22.7	20.5	12.3
Mar	8.9	7.0	5	3	12.0	1997	14	25.0	1989	29	1972	10	16	1972	3.0	2.9	1.4	.3	@	15.9	13.4	9.6	4.9
Apr	2.1	.1	#	#	10.0	1973	11	18.0	1973	7	1985	1	2	1975	.8	.8	.3	.1	@	1.7	.7	.3	.0
May	#	.0	#	0	#	1997	1	#	1997	#	1997	1	#	1997	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.4	.0	#	0	5.0	1992	20	5.0	1992	5	1992	20	#+	1997	.2	.2	@	@	.0	.2	.1	@	.0
Nov	4.8	3.0	1	#	7.0	1994	28	17.5	1991	13	1991	28	4	1991	2.1	2.0	.8	.1	.0	4.9	2.8	1.7	.4
Dec	8.7	7.0	5	4	8.0	1990	18	19.5	1984	18	1985	3	15	1985	4.5	4.4	1.2	.2	.0	23.0	17.1	11.6	5.5
Ann	43.0	35.1	N/A	N/A	12.0	Mar 1997	14	25.0	Mar 1989	44	Feb 1971	10	33	Feb 1971	19.1	18.5	6.1	1.5	.1	97.8	80.7	63.3	34.2

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: NEILLSVILLE 3 SW, WI

COOP ID: 475808

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,035 Feet

Lat: 44°32N

Lon: 90°38W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/24	6/17	6/11	6/06	6/02	5/29	5/24	5/19	5/11
32	6/06	5/31	5/26	5/23	5/19	5/15	5/12	5/07	5/01
28	5/24	5/17	5/13	5/09	5/05	5/01	4/27	4/23	4/16
24	5/11	5/04	4/29	4/25	4/21	4/17	4/13	4/08	4/02
20	4/22	4/18	4/16	4/13	4/11	4/09	4/07	4/04	3/31
16	4/19	4/14	4/11	4/08	4/05	4/03	3/31	3/27	3/23
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/29	9/02	9/06	9/08	9/11	9/14	9/16	9/20	9/24
32	9/10	9/14	9/16	9/18	9/20	9/22	9/25	9/27	10/01
28	9/21	9/25	9/28	9/30	10/03	10/05	10/07	10/10	10/14
24	9/25	10/01	10/05	10/08	10/11	10/15	10/18	10/22	10/28
20	10/08	10/13	10/17	10/21	10/24	10/28	10/31	11/04	11/10
16	10/19	10/24	10/28	10/31	11/03	11/07	11/10	11/14	11/19
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	127	118	111	105	100	95	89	82	73
32	146	138	133	128	124	119	114	109	101
28	172	165	159	154	150	145	140	135	127
24	199	190	183	178	173	167	162	155	146
20	217	210	204	200	195	191	187	181	174
16	233	226	220	216	212	207	203	197	190

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: NEILLSVILLE 3 SW, WI

COOP ID: 475808

Climate Division: WI 2 NWS Call Sign: Elevation: 1,035 Feet Lat: 44°32N Lon: 90°38W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1673	1335	1109	651	324	96	35	63	242	585	1032	1498	8643
60	1518	1195	954	505	206	36	8	17	128	434	882	1343	7226
57	1425	1111	861	420	149	17	1	6	77	349	792	1250	6458
55	1363	1055	799	366	117	9	0	2	52	295	732	1188	5978
50	1208	915	646	244	55	1	0	0	14	181	586	1033	4883
32	666	439	196	18	0	0	0	0	0	8	165	510	2002

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	16	28	110	357	721	972	1133	1072	760	446	122	35	5772
55	0	0	0	15	125	291	420	362	122	21	0	0	1356
57	0	0	0	9	95	239	359	304	87	12	0	0	1105
60	0	0	0	4	59	168	273	222	48	4	0	0	778
65	0	0	0	0	21	79	146	112	12	0	0	0	370
70	0	0	0	0	6	24	61	42	2	0	0	0	135

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	40	195	515	743	901	842	552	254	34	2	0	0	40	235	750	1493	2394	3236	3788	4042	4076	4078
45	0	0	16	110	367	593	746	687	405	146	16	0	0	0	16	126	493	1086	1832	2519	2924	3070	3086	3086
50	0	0	6	55	234	444	591	532	270	73	3	0	0	0	6	61	295	739	1330	1862	2132	2205	2208	2208
55	0	0	0	25	129	301	437	377	156	26	0	0	0	0	0	25	154	455	892	1269	1425	1451	1451	1451
60	0	0	0	8	63	173	285	230	79	6	0	0	0	0	0	8	71	244	529	759	838	844	844	844
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	29	142	332	475	589	541	345	160	23	0	0	0	29	171	503	978	1567	2108	2453	2613	2636	2636

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: NEW LONDON, WI

COOP ID: 475932

Climate Division: WI 5

NWS Call Sign:

Elevation: 805 Feet

Lat: 44°21N

Lon: 88°43W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	24.3	4.7	14.5	53+	1973	25	25.3	1990	-33	1982	17	2.7	1977	1566	0	.0	.0	.1	22.9	30.9	12.0
Feb	29.5	9.4	19.5	60+	2000	27	30.2	1998	-32+	1996	3	8.4	1979	1277	0	.0	.0	.8	15.9	27.6	7.9
Mar	40.7	20.2	30.5	81	1986	31	39.4	2000	-35	1962	1	23.2	1975	1071	0	.0	.0	6.4	5.6	26.4	2.2
Apr	55.6	32.8	44.2	92	1980	22	50.3	1985	6	1954	3	37.6	1975	625	1	.0	@	20.6	.4	14.6	.0
May	69.1	44.8	57.0	92+	1978	27	64.6	1977	21	1966	9	49.5	1997	285	36	.0	.2	30.3	.0	2.3	.0
Jun	78.1	54.2	66.2	99	1987	14	70.9	1971	32	1949	8	60.1	1992	72	104	.0	2.5	30.0	.0	.0	.0
Jul	81.9	59.1	70.5	105	1995	14	74.7	1983	38	1948	1	64.3	1992	20	190	.1	4.6	31.0	.0	.0	.0
Aug	79.1	56.1	67.6	102+	1955	21	73.0	1995	35+	1987	24	61.4	1992	51	132	.0	2.1	31.0	.0	.0	.0
Sep	71.0	47.2	59.1	96	1955	9	63.4	1998	22+	1984	26	53.7	1993	194	17	.0	.6	29.9	.0	1.4	.0
Oct	58.8	36.5	47.7	90	1963	6	55.5	1971	11	1988	30	41.3	1988	539	1	.0	.0	25.6	.0	10.2	.0
Nov	42.3	24.9	33.6	74	1999	10	40.7	1999	-11	1950	25	25.5	1995	941	0	.0	.0	7.7	5.0	23.5	.4
Dec	28.8	11.8	20.3	63+	2001	5	28.6	1982	-27	1983	19	8.9	1985	1386	0	.0	.0	.6	17.5	30.2	6.4
Ann	54.9	33.5	44.2	105	Jul 1995	14	74.7	Jul 1983	-35	Mar 1962	1	2.7	Jan 1977	8027	481	.1	10.0	214.0	67.3	167.1	28.9

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: NEW LONDON, WI

COOP ID: 475932

Climate Division: WI 5

NWS Call Sign:

Elevation: 805 Feet

Lat: 44°21N

Lon: 88°43W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.38	1.37	1.67	1988	20	2.88	1996	.09	1981	9.0	4.0	.5	.1	.28	.40	.60	.79	.98	1.18	1.40	1.68	2.04	2.62	3.17
Feb	1.04	.93	1.41	1966	9	2.83	1981	.00+	1997	7.2	3.2	.6	.1	.00	.00	.19	.38	.58	.79	1.03	1.33	1.73	2.38	3.02
Mar	2.05	1.86	2.12	1998	31	4.98	1979	.23	1978	8.6	4.9	1.4	.2	.38	.56	.86	1.14	1.42	1.73	2.08	2.50	3.06	3.97	4.83
Apr	2.73	2.44	2.90	1994	25	5.68	1994	.57	1989	10.2	6.3	1.9	.3	.92	1.18	1.56	1.88	2.18	2.50	2.85	3.25	3.77	4.57	5.31
May	3.21	2.86	2.87	1954	31	8.30	1973	.95	1981	10.6	6.8	2.0	.6	1.05	1.35	1.80	2.18	2.55	2.93	3.35	3.84	4.47	5.44	6.35
Jun	3.59	3.12	3.04	1990	21	8.73	1993	.00	1992	10.7	6.7	2.4	1.0	.49	.96	1.56	2.07	2.58	3.11	3.71	4.42	5.36	6.85	8.25
Jul	3.84	3.36	4.30	1982	11	9.42	1994	1.59	1998	10.2	7.0	2.6	1.0	1.42	1.78	2.29	2.73	3.14	3.56	4.02	4.55	5.23	6.27	7.23
Aug	4.06	3.29	2.89	1997	15	8.30	1980	.82	1976	11.5	7.4	2.6	1.0	1.13	1.51	2.10	2.61	3.10	3.63	4.20	4.88	5.77	7.16	8.46
Sep	3.18	2.87	3.60	1978	12	7.83	1986	.42	1976	10.4	6.3	2.1	.7	.71	1.00	1.47	1.89	2.31	2.75	3.25	3.85	4.64	5.90	7.09
Oct	2.34	2.23	2.61	1954	3	5.56	1995	.48+	2000	8.3	5.1	1.6	.5	.61	.83	1.17	1.46	1.76	2.07	2.41	2.82	3.36	4.20	4.99
Nov	2.07	1.77	3.00	1992	21	5.37	1985	.05	1976	8.8	4.8	1.3	.3	.29	.46	.76	1.05	1.35	1.68	2.06	2.53	3.17	4.20	5.20
Dec	1.33	1.19	1.64	1959	28	3.58	1992	.15	1993	9.3	4.1	.5	@	.22	.33	.53	.71	.90	1.10	1.34	1.62	2.01	2.63	3.22
Ann	30.82	31.66	4.30	Jul 1982	11	9.42	Jul 1994	.00+	Feb 1997	114.8	66.6	19.5	5.8	21.96	23.68	25.87	27.54	29.02	30.46	31.94	33.57	35.55	38.43	40.91

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: NEW LONDON, WI

COOP ID: 475932

Climate Division: WI 5

NWS Call Sign:

Elevation: 805 Feet

Lat: 44°21N

Lon: 88°43W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	11.3	9.2	8	7	14.0	1996	27	23.8	1982	31	1982	31	21	1982	5.9	4.3	1.3	.5	.1	25.5	23.0	17.8	5.7
Feb	7.7	9.0	9	8	8.0	1983	3	16.0	1975	31	1982	14	22	1979	3.1	2.4	.7	.1	.0	22.5	20.5	18.3	11.5
Mar	7.8	9.0	4	1	17.0	1997	14	19.3	1972	22	1972	11	14	1972	2.8	2.3	.8	.4	@	13.8	11.2	8.5	5.6
Apr	2.2	.2	#	#	9.0	1977	5	12.0	1977	11	1977	5	2	1975	.7	.5	.2	.1	.0	1.8	1.0	.3	.1
May	.0	.0	0	0	.3	1997	1	.3	1997	0	0	0	0	0	@	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.2	.0	#	0	2.0	1979	23	2.0	1979	2+	1992	20	#+	1992	.1	.1	.0	.0	.0	.1	.0	.0	.0
Nov	3.7	2.5	#	#	6.0	1986	20	13.0	1985	8	1986	20	2	1986	1.5	1.2	.3	@	.0	3.2	1.7	.6	.0
Dec	10.7	9.2	3	2	7.0	1971	1	18.5+	1977	21	1985	27	17	1985	4.3	3.2	1.2	.4	.0	18.6	13.6	7.9	2.2
Ann	43.6	39.1	N/A	N/A	17.0	Mar 1997	14	23.8	Jan 1982	31+	Feb 1982	14	22	Feb 1979	18.4	14.0	4.5	1.5	.1	85.5	71.0	53.4	25.1

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: NEW LONDON, WI

COOP ID: 475932

Climate Division: WI 5

NWS Call Sign:

Elevation: 805 Feet

Lat: 44° 21N

Lon: 88° 43W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/08	6/02	5/28	5/24	5/21	5/17	5/13	5/09	5/02
32	5/27	5/21	5/17	5/13	5/10	5/06	5/03	4/28	4/22
28	5/10	5/05	5/01	4/28	4/25	4/22	4/18	4/14	4/09
24	4/25	4/21	4/18	4/15	4/13	4/11	4/08	4/05	4/01
20	4/13	4/10	4/07	4/05	4/03	4/01	3/30	3/27	3/24
16	4/11	4/06	4/03	3/31	3/28	3/25	3/21	3/18	3/13
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/07	9/11	9/14	9/17	9/19	9/21	9/23	9/26	9/30
32	9/18	9/22	9/25	9/28	9/30	10/02	10/05	10/08	10/12
28	9/21	9/27	10/02	10/06	10/10	10/13	10/17	10/22	10/29
24	10/05	10/12	10/16	10/21	10/24	10/28	11/01	11/06	11/13
20	10/21	10/26	10/29	11/01	11/04	11/07	11/10	11/13	11/18
16	10/29	11/04	11/08	11/11	11/15	11/18	11/22	11/26	12/02
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	137	132	127	124	120	117	113	109	103
32	161	155	150	146	143	139	135	131	125
28	190	182	176	172	167	163	158	152	145
24	216	208	203	198	194	189	185	179	172
20	229	224	220	217	214	212	209	205	200
16	256	248	242	236	231	227	221	215	207

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States**
No. 20
1971-2000

Station: NEW LONDON, WI

COOP ID: 475932

Climate Division: WI 5 NWS Call Sign: Elevation: 805 Feet Lat: 44°21N Lon: 88°43W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1566	1277	1071	625	285	72	20	51	194	539	941	1386	8027
60	1411	1137	916	480	179	24	4	13	91	393	791	1231	6670
57	1318	1053	823	398	128	10	0	4	51	312	701	1138	5936
55	1256	997	761	346	100	5	0	1	32	262	642	1076	5478
50	1101	857	610	229	46	1	0	0	7	157	497	921	4426
32	567	395	176	16	0	0	0	0	0	6	112	418	1690

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	24	42	128	382	774	1023	1193	1104	813	491	161	55	6190
55	0	0	0	22	160	338	480	392	155	34	1	0	1582
57	0	0	0	14	127	283	418	333	114	22	0	0	1311
60	0	0	0	6	85	207	329	249	64	10	0	0	950
65	0	0	0	1	36	104	190	132	17	1	0	0	481
70	0	0	0	0	12	38	91	54	2	0	0	0	197

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	1	38	208	545	795	956	880	597	278	51	3	0	1	39	247	792	1587	2543	3423	4020	4298	4349	4352
45	0	0	16	117	396	645	801	725	449	166	21	1	0	0	16	133	529	1174	1975	2700	3149	3315	3336	3337
50	0	0	6	62	255	495	646	570	308	87	5	0	0	0	6	68	323	818	1464	2034	2342	2429	2434	2434
55	0	0	1	28	150	354	491	415	189	37	0	0	0	0	1	29	179	533	1024	1439	1628	1665	1665	1665
60	0	0	0	11	76	217	337	267	104	12	0	0	0	0	0	11	87	304	641	908	1012	1024	1024	1024
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	25	139	339	506	631	570	369	173	28	0	0	0	25	164	503	1009	1640	2210	2579	2752	2780	2780

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: NORTH PELICAN, WI

COOP ID: 476122

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,610 Feet Lat: 45°38N

Lon: 89°15W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max ≥ 100	Max ≥ 90	Max ≥ 50	Max ≤ 32	Min ≤ 32	Min ≤ 0
Jan	22.6	-1.4	10.6	49+	1989	31	22.2	1990	-46	1996	31	-.2	1977	1688	0	.0	.0	.0	26.3	31.0	16.1
Feb	29.6	2.1	15.9	58+	2000	29	29.1	1998	-47	1996	4	5.9	1979	1376	0	.0	.0	.7	18.7	28.0	12.8
Mar	40.4	13.5	27.0	75	2000	8	36.5	1973	-40	1962	1	19.1	1996	1180	0	.0	.0	4.3	9.4	29.2	6.5
Apr	54.9	26.9	40.9	88	1980	23	49.5	1987	-7	1982	7	34.4	1996	723	0	.0	.0	16.8	1.2	22.1	.3
May	69.8	39.2	54.5	92	1959	2	62.9	1977	15	1990	2	46.3	1997	356	30	.0	.1	29.0	.0	8.8	.0
Jun	76.5	48.8	62.7	97	1963	30	67.7	1988	25	1998	5	57.8	1982	126	56	.0	.6	29.9	.0	1.2	.0
Jul	80.0	53.4	66.7	98	1955	26	72.3	1988	28	1990	31	60.4	1996	75	128	.0	.9	31.0	.0	.2	.0
Aug	77.1	51.6	64.4	97+	1988	3	70.2	1988	29	1998	30	58.7	1997	104	83	.0	.4	31.0	.0	.3	.0
Sep	67.5	43.3	55.4	93	1998	11	59.4	1978	19+	1995	23	49.0	1993	295	6	.0	@	28.9	.0	3.8	.0
Oct	55.5	33.2	44.4	86	1992	2	52.0	1971	4	1988	30	39.4	1987	640	0	.0	.0	20.3	.4	16.2	.0
Nov	38.6	20.9	29.8	72	1950	1	36.0	1975	-17	1976	29	19.4	1995	1058	0	.0	.0	4.3	10.2	27.1	1.3
Dec	26.3	5.9	16.1	58	1998	3	23.4	1997	-35	1983	19	5.2	1983	1516	0	.0	.0	.3	24.0	30.8	10.8
Ann	53.2	28.1	40.7	98	Jul 1955	26	72.3	Jul 1988	-47	Feb 1996	4	-.2	Jan 1977	9137	303	.0	2.0	196.5	90.2	198.7	47.8

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

079-A

**Climatography
of the United States
No. 20
1971-2000**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: NORTH PELICAN, WI

COOP ID: 476122

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,610 Feet Lat: 45°38N

Lon: 89°15W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.22	1.06	1.33	1967	25	3.07	1996	.19	1981	11.4	4.3	.3	.1	.30	.41	.59	.75	.90	1.07	1.26	1.48	1.76	2.22	2.65
Feb	.91	.84	1.50	1999	25	2.90	1999	.08	1993	8.1	3.0	.3	@	.15	.23	.37	.49	.62	.76	.91	1.11	1.36	1.78	2.17
Mar	1.77	1.72	1.65	1973	7	3.93	1977	.20	1978	9.7	4.6	1.0	.2	.32	.48	.74	.98	1.22	1.49	1.79	2.16	2.64	3.43	4.17
Apr	2.40	2.39	1.90	1984	30	4.50	1977	.50	1971	11.1	6.0	1.3	.2	.85	1.08	1.41	1.68	1.94	2.21	2.51	2.85	3.29	3.97	4.59
May	3.26	2.97	2.56	1982	17	6.70	1991	.91	1986	11.6	7.0	2.3	.6	1.07	1.38	1.83	2.22	2.59	2.97	3.39	3.88	4.52	5.50	6.40
Jun	3.49	3.13	5.76	1981	14	11.06	1981	1.22	1988	12.9	7.7	2.1	.5	1.12	1.45	1.94	2.36	2.76	3.18	3.64	4.17	4.86	5.94	6.93
Jul	4.10	3.30	7.80	1986	28	12.02	1986	1.00	1998	12.5	7.4	2.5	.9	.97	1.35	1.95	2.49	3.02	3.59	4.22	4.97	5.96	7.52	8.99
Aug	4.12	3.61	3.18	1976	5	8.54	1972	1.46	1981	11.9	7.4	2.9	1.0	1.72	2.09	2.62	3.06	3.46	3.88	4.32	4.83	5.48	6.47	7.37
Sep	3.90	4.03	2.91	1993	14	6.98	1994	.64	1976	12.7	7.4	2.4	1.0	.97	1.33	1.90	2.41	2.91	3.43	4.02	4.72	5.63	7.07	8.43
Oct	2.55	2.32	2.02	1966	15	5.85	1995	.28	1976	12.5	6.1	1.5	.4	.73	.97	1.33	1.65	1.96	2.29	2.65	3.07	3.62	4.48	5.28
Nov	2.12	1.78	2.14	1975	10	5.50	1991	.24	1976	11.3	5.7	1.3	.3	.52	.72	1.03	1.30	1.58	1.86	2.19	2.57	3.07	3.87	4.62
Dec	1.32	1.28	1.21	1975	14	2.58	1984	.39	1994	11.2	4.5	.3	@	.41	.54	.73	.89	1.04	1.20	1.38	1.59	1.85	2.27	2.65
Ann	31.16	31.54	7.80	Jul 1986	28	12.02	Jul 1986	.08	Feb 1993	136.9	71.1	18.2	5.2	22.13	23.88	26.12	27.82	29.33	30.79	32.30	33.97	36.00	38.93	41.47

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: NORTH PELICAN, WI

COOP ID: 476122

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,610 Feet

Lat: 45°38N

Lon: 89°15W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	14.8	13.7	13	12	10.0	2000	2	37.2	1971	34	1971	30	24	1971	13.2	5.0	1.2	.4	@	30.7	30.3	28.7	20.3
Feb	9.3	8.4	16	15	6.0	1971	5	25.3	1971	39	1971	6	33	1971	8.5	3.5	.7	.2	.0	27.8	27.7	27.4	21.9
Mar	10.8	9.7	13	11	10.0	1976	2	23.6	1972	37	1972	9	29	1972	7.1	3.1	1.1	.4	@	25.1	22.8	21.1	15.9
Apr	4.3	4.0	3	1	8.3	1996	30	14.5	1996	28	1971	3	18	1996	2.9	1.5	.4	.2	.0	6.6	4.8	3.7	2.2
May	.4	.0	#	0	5.0	1979	6	5.5	1979	5	1979	6	#+	1997	.2	.2	.1	@	.0	.2	.1	@	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	0	0	#	1985	25	#+	1985	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	1.2	.6	#	#	4.5	1995	21	4.5	1995	4	1995	21	#+	2000	1.0	.5	.1	.0	.0	.9	.1	.0	.0
Nov	6.5	5.3	1	1	7.4	1991	23	18.2	1979	12	1991	25	4	1991	6.8	2.7	.6	.1	.0	9.1	5.0	1.8	.0
Dec	14.8	15.1	6	6	6.0	1972	30	26.1+	1996	20+	1996	31	13	1995	12.2	5.4	1.4	.2	.0	28.8	25.4	18.9	5.7
Ann	62.1	56.8	N/A	N/A	10.0+	Jan 2000	2	37.2	Jan 1971	39	Feb 1971	6	33	Feb 1971	51.9	21.9	5.6	1.5	@	129.2	116.2	101.6	66.0

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: NORTH PELICAN, WI

COOP ID: 476122

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,610 Feet

Lat: 45°38N

Lon: 89°15W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/18	7/07	6/29	6/21	6/15	6/08	6/01	5/24	5/13
32	7/01	6/21	6/14	6/07	6/01	5/26	5/20	5/12	5/02
28	6/11	6/02	5/27	5/21	5/16	5/10	5/05	4/28	4/19
24	5/17	5/10	5/06	5/02	4/28	4/25	4/21	4/16	4/10
20	5/07	5/02	4/28	4/25	4/22	4/19	4/16	4/12	4/07
16	4/29	4/23	4/19	4/16	4/12	4/09	4/06	4/02	3/27
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/12	8/19	8/24	8/29	9/02	9/06	9/10	9/16	9/23
32	8/21	8/30	9/05	9/11	9/16	9/22	9/27	10/04	10/13
28	9/08	9/15	9/20	9/24	9/28	10/02	10/06	10/11	10/18
24	9/27	10/04	10/08	10/12	10/16	10/20	10/24	10/28	11/04
20	10/04	10/11	10/16	10/20	10/24	10/28	11/02	11/07	11/14
16	10/17	10/23	10/27	10/30	11/02	11/05	11/09	11/13	11/18
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	129	112	99	88	78	68	57	44	27
32	158	140	128	117	106	96	85	72	54
28	176	162	151	143	135	127	118	108	94
24	201	190	183	176	170	164	157	150	139
20	214	204	196	190	184	179	172	165	155
16	226	218	212	208	203	199	194	189	181

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography
of the United States
No. 20
1971-2000

Station: NORTH PELICAN, WI

COOP ID: 476122

Climate Division: WI 2 NWS Call Sign: Elevation: 1,610 Feet Lat: 45°38N Lon: 89°15W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1688	1376	1180	723	356	126	75	104	295	640	1058	1516	9137
60	1533	1236	1025	576	241	53	24	37	169	488	908	1361	7651
57	1440	1152	932	490	184	27	11	17	109	400	818	1268	6848
55	1378	1096	870	435	151	16	6	9	78	344	758	1206	6347
50	1223	956	715	307	83	3	0	0	26	220	609	1051	5193
32	681	479	237	34	2	0	0	0	0	12	166	520	2131

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	15	26	80	301	699	919	1076	1002	701	395	99	28	5341
55	0	0	0	13	134	245	370	299	88	14	0	0	1163
57	0	0	0	8	106	196	312	244	60	8	0	0	934
60	0	0	0	4	70	133	232	172	30	3	0	0	644
65	0	0	0	0	30	56	128	83	6	0	0	0	303
70	0	0	0	0	11	15	54	28	0	0	0	0	108

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	17	117	422	639	784	721	439	176	17	0	0	0	17	134	556	1195	1979	2700	3139	3315	3332	3332
45	0	0	4	60	285	489	629	566	298	92	6	0	0	0	4	64	349	838	1467	2033	2331	2423	2429	2429
50	0	0	0	28	173	347	474	411	176	42	0	0	0	0	0	28	201	548	1022	1433	1609	1651	1651	1651
55	0	0	0	13	93	213	320	263	95	14	0	0	0	0	0	13	106	319	639	902	997	1011	1011	1011
60	0	0	0	4	43	113	184	136	45	2	0	0	0	0	0	4	47	160	344	480	525	527	527	527
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	16	103	289	398	501	448	258	113	10	0	0	1	17	120	409	807	1308	1756	2014	2127	2137	2137

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: OCONOMOWOC, WI

COOP ID: 476200

Climate Division: WI 9

NWS Call Sign:

Elevation: 856 Feet Lat: 43°06N Lon: 88°30W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	26.3	8.0	17.2	59	1997	5	29.1	1990	-33	1951	30	3.6	1977	1484	0	.0	.0	.6	21.1	30.3	10.0
Feb	31.3	13.1	22.2	64+	2000	27	34.9	1998	-29+	1996	4	11.4	1978	1198	0	.0	.0	1.5	14.6	26.6	5.7
Mar	42.9	24.5	33.7	81+	1986	31	41.6	1973	-19	1962	1	26.5	1984	970	0	.0	.0	8.3	5.2	24.3	.8
Apr	56.1	36.2	46.2	88+	1980	23	52.7	1977	4	1982	6	40.2	1975	567	1	.0	.0	21.0	.4	10.5	.0
May	68.8	47.0	57.9	94	1975	20	66.2	1977	23	1966	10	51.4	1997	263	42	.0	.3	30.3	.0	1.4	.0
Jun	77.9	56.4	67.2	100	1988	20	71.8	1971	34	1972	11	62.1	1982	50	115	@	1.9	30.0	.0	.0	.0
Jul	82.1	61.4	71.8	100+	1995	14	76.5	1980	42+	1972	5	66.6	1992	12	221	.1	4.1	31.0	.0	.0	.0
Aug	79.7	59.3	69.5	101	1988	17	75.6	1995	40+	1986	27	64.5	1992	33	173	.1	1.7	31.0	.0	.0	.0
Sep	71.9	50.1	61.0	98	1953	1	65.3	1971	26	1949	29	56.1	1993	153	33	.0	.5	29.9	.0	.6	.0
Oct	60.3	39.1	49.7	87+	1976	2	57.9	1971	14+	1988	29	42.7	1988	477	3	.0	.0	26.5	.0	7.7	.0
Nov	44.5	27.8	36.2	74+	2000	2	43.7	1975	-10	1976	29	27.8	1995	866	0	.0	.0	10.0	4.0	20.4	.3
Dec	31.4	15.3	23.4	67	2001	6	31.1	1979	-22	2000	26	11.4	1985	1291	0	.0	.0	1.4	15.5	28.9	4.9
Ann	56.1	36.5	46.3	101	Aug 1988	17	76.5	Jul 1980	-33	Jan 1951	30	3.6	Jan 1977	7364	588	.2	8.5	221.5	60.8	150.7	21.7

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

080-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: OCONOMOWOC, WI

COOP ID: 476200

Climate Division: WI 9

NWS Call Sign:

Elevation: 856 Feet Lat: 43°06N

Lon: 88°30W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.32	1.16	1.20	1988	19	3.46	1999	.23	1981	9.5	4.3	.4	@	.34	.47	.66	.83	.99	1.17	1.36	1.59	1.90	2.37	2.82
Feb	1.20	1.02	1.41	1997	21	3.02	1997	.13	1995	7.5	3.4	.6	.1	.16	.26	.43	.60	.78	.97	1.19	1.47	1.84	2.45	3.04
Mar	1.96	2.01	2.53	1998	31	4.30	1998	.37	1978	9.6	5.2	1.0	.2	.49	.67	.96	1.21	1.46	1.72	2.02	2.37	2.82	3.54	4.22
Apr	3.25	3.04	2.37	1999	23	7.14	1993	1.26	1994	11.4	7.0	2.0	.5	1.32	1.62	2.04	2.39	2.71	3.04	3.40	3.81	4.34	5.13	5.86
May	3.14	3.23	2.81	1958	31	8.54	2000	.69	1988	11.2	7.0	2.0	.5	.91	1.21	1.66	2.05	2.43	2.82	3.26	3.77	4.44	5.48	6.45
Jun	3.97	3.79	2.94	1986	26	8.69	1996	.62	1995	10.3	6.8	2.6	.9	1.29	1.66	2.22	2.69	3.15	3.62	4.13	4.74	5.52	6.72	7.84
Jul	4.21	4.03	4.82	1952	18	7.76	1989	.98	1988	10.4	6.5	3.0	1.2	1.50	1.90	2.47	2.95	3.41	3.88	4.40	4.99	5.76	6.94	8.02
Aug	4.52	4.04	5.38	1995	10	11.39	1995	1.55	1973	10.2	7.0	3.2	1.4	1.57	2.00	2.62	3.14	3.64	4.16	4.72	5.38	6.22	7.52	8.72
Sep	3.69	3.57	3.91	1991	12	10.92	1986	.44+	1982	9.4	6.0	2.3	1.1	.47	.77	1.29	1.80	2.35	2.95	3.65	4.51	5.68	7.59	9.44
Oct	2.63	2.22	2.82	1984	31	7.51	1984	.32	1975	9.9	5.4	1.9	.5	.53	.77	1.15	1.51	1.86	2.25	2.68	3.21	3.90	5.01	6.06
Nov	2.30	2.16	2.20	1982	1	6.00	1985	.39	1976	10.0	4.9	1.6	.4	.58	.80	1.13	1.43	1.72	2.03	2.37	2.78	3.31	4.15	4.94
Dec	1.71	1.61	1.64	1971	15	3.84	1971	.27	1989	9.8	4.5	1.0	.1	.38	.53	.79	1.01	1.24	1.48	1.75	2.08	2.51	3.19	3.83
Ann	33.90	33.53	5.38	Aug 1995	10	11.39	Aug 1995	.13	Feb 1995	119.2	68.0	21.6	6.9	25.52	27.18	29.28	30.87	32.26	33.61	34.99	36.51	38.34	40.97	43.24

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: OCONOMOWOC, WI

COOP ID: 476200

Climate Division: WI 9

NWS Call Sign:

Elevation: 856 Feet

Lat: 43°06N

Lon: 88°30W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	10.3	10.7	5	4	10.2	1999	3	18.5	1976	25	1979	25	16	1979	7.9	4.2	1.2	.3	.1	23.5	17.4	12.7	2.8
Feb	6.8	7.7	4	3	8.0	1974	6	23.9	1994	20	1979	13	18	1979	4.9	2.8	.6	.1	.0	17.4	11.6	6.2	1.8
Mar	5.3	5.0	1	1	8.0	1985	3	18.5	1972	15	1979	2	6	1978	3.8	1.9	.6	.3	.0	6.2	3.6	1.7	.2
Apr	2.0	.5	#	#	8.0	1973	9	14.5	1973	10	1973	10	1	1997	1.2	.6	.3	.1	.0	1.1	.5	.3	@
May	.2	.0	#	0	5.3	1994	1	5.3	1994	4	1994	1	#+	1994	.1	@	@	@	.0	@	@	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	0	0	#	1993	30	#	1993	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	#	0	1.7	1992	20	1.7	1992	1	1992	20	#+	1997	.1	@	.0	.0	.0	@	.0	.0	.0
Nov	2.9	2.3	#	#	7.0	1976	27	12.0	1977	8	1977	27	2	1995	2.5	1.2	.4	.2	.0	2.7	.9	.4	.0
Dec	10.1	7.3	2	2	11.5	1977	8	28.7	2000	18	1977	9	8	2000	7.1	3.3	1.1	.4	@	16.4	9.2	4.0	.6
Ann	37.7	33.5	N/A	N/A	11.5	Dec 1977	8	28.7	Dec 2000	25	Jan 1979	25	18	Feb 1979	27.6	14.0	4.2	1.4	.1	67.3	43.2	25.3	5.4

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: OCONOMOWOC, WI

COOP ID: 476200

Climate Division: WI 9

NWS Call Sign:

Elevation: 856 Feet

Lat: 43°06N

Lon: 88°30W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/30	5/25	5/22	5/19	5/16	5/13	5/10	5/06	5/01
32	5/20	5/14	5/10	5/07	5/04	5/01	4/28	4/24	4/18
28	5/02	4/27	4/24	4/22	4/19	4/16	4/14	4/11	4/06
24	4/16	4/13	4/11	4/09	4/07	4/05	4/03	4/01	3/29
20	4/12	4/08	4/05	4/02	3/31	3/29	3/26	3/23	3/19
16	4/07	4/01	3/28	3/25	3/22	3/19	3/15	3/11	3/06
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/16	9/19	9/22	9/24	9/26	9/28	9/30	10/03	10/06
32	9/24	9/27	9/30	10/02	10/04	10/07	10/09	10/11	10/15
28	9/30	10/05	10/09	10/13	10/16	10/19	10/23	10/27	11/02
24	10/16	10/21	10/25	10/28	10/31	11/03	11/06	11/10	11/15
20	10/26	10/31	11/04	11/07	11/10	11/13	11/16	11/20	11/25
16	11/02	11/07	11/12	11/15	11/19	11/22	11/26	11/30	12/06
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	150	144	140	136	133	129	126	122	116
32	171	165	160	156	153	149	145	141	134
28	203	195	189	184	179	175	170	164	156
24	223	217	213	209	206	202	199	194	188
20	242	235	231	227	223	219	215	210	204
16	267	258	252	246	241	236	230	224	215

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography
of the United States
No. 20
1971-2000

Station: OCONOMOWOC, WI

COOP ID: 476200

Climate Division: WI 9 NWS Call Sign: Elevation: 856 Feet Lat: 43°06N Lon: 88°30W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1484	1198	970	567	263	50	12	33	153	477	866	1291	7364
60	1329	1058	815	423	162	13	0	8	66	334	716	1136	6060
57	1236	974	722	341	114	5	0	2	34	257	627	1043	5355
55	1174	918	660	291	88	3	0	0	20	211	568	981	4914
50	1019	778	514	180	39	0	0	0	4	118	428	829	3909
32	508	336	118	6	0	0	0	0	0	2	78	350	1398

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	47	62	171	430	802	1055	1233	1162	870	551	202	82	6667
55	0	0	0	25	177	368	520	449	200	47	2	0	1788
57	0	0	0	16	141	311	458	389	154	31	1	0	1501
60	0	0	0	7	96	229	365	302	96	14	0	0	1109
65	0	0	0	1	42	115	221	173	33	3	0	0	588
70	0	0	0	0	15	41	108	81	6	0	0	0	251

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	6	63	238	570	824	990	922	646	321	77	6	0	6	69	307	877	1701	2691	3613	4259	4580	4657	4663
45	0	0	30	139	420	674	835	767	497	201	35	2	0	0	30	169	589	1263	2098	2865	3362	3563	3598	3600
50	0	0	12	73	281	524	680	612	354	109	15	0	0	0	12	85	366	890	1570	2182	2536	2645	2660	2660
55	0	0	4	40	169	377	525	457	224	53	3	0	0	0	4	44	213	590	1115	1572	1796	1849	1852	1852
60	0	0	1	14	90	241	371	305	128	20	0	0	0	0	1	15	105	346	717	1022	1150	1170	1170	1170
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	39	140	342	527	664	608	395	189	46	2	0	0	39	179	521	1048	1712	2320	2715	2904	2950	2952

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: OCONTO 4 W, WI

COOP ID: 476208

Climate Division: WI 3

NWS Call Sign:

Elevation: 660 Feet Lat: 44°53N Lon: 87°57W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	23.3	4.5	13.9	51	1973	26	23.8	1990	-35	1994	19	4.1	1977	1584	0	.0	.0	@	23.9	30.9	12.6
Feb	28.3	8.5	18.4	57+	2000	27	30.7	1998	-35	1996	3	7.6	1979	1305	0	.0	.0	.5	17.2	27.7	9.0
Mar	38.7	19.3	29.0	77	2000	8	38.8	2000	-27	1962	1	22.4	1989	1116	0	.0	.0	4.5	7.8	28.0	2.4
Apr	52.7	31.2	42.0	90	1980	23	46.9	1986	5	1954	3	35.8	1975	691	0	.0	@	17.5	.6	17.9	.0
May	66.4	42.4	54.4	94	1959	2	61.6	1977	21	1954	5	47.6	1983	352	22	.0	.1	29.5	.0	4.2	.0
Jun	75.2	52.1	63.7	97	1964	30	68.5	1971	30	1997	17	58.0	1982	105	65	.0	1.3	30.0	.0	.1	.0
Jul	79.8	56.9	68.4	100	1955	26	73.0	1983	37+	1972	5	62.4	1992	29	133	.0	2.6	31.0	.0	.0	.0
Aug	77.4	54.8	66.1	102	1955	21	70.9	1995	37+	1986	28	62.2	1992	63	96	.0	.9	31.0	.0	.0	.0
Sep	69.1	45.9	57.5	98	1953	1	62.8	1998	23+	1976	24	52.6	1974	236	11	.0	.1	29.9	.0	1.8	.0
Oct	57.2	35.5	46.4	89	1963	6	53.2	1971	14	1988	30	41.0	1988	579	0	.0	.0	24.7	.0	12.1	.0
Nov	41.7	24.7	33.2	74+	1999	10	40.2	1999	-8	1976	29	26.0	1995	955	0	.0	.0	6.9	5.0	24.2	.4
Dec	28.3	11.6	20.0	62+	2001	6	27.5	1997	-22	1976	29	8.8	1989	1397	0	.0	.0	.7	18.5	30.3	6.8
Ann	53.2	32.3	42.8	102	Aug 1955	21	73.0	Jul 1983	-35+	Feb 1996	3	4.1	Jan 1977	8412	327	.0	5.0	206.2	73.0	177.2	31.2

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

081-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: OCONTO 4 W, WI

COOP ID: 476208

Climate Division: WI 3

NWS Call Sign:

Elevation: 660 Feet

Lat: 44°53N

Lon: 87°57W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.91	1.73	1.90	1996	27	6.39	1996	.07	1981	7.9	5.3	1.0	.2	.22	.37	.63	.90	1.18	1.50	1.87	2.33	2.96	3.99	5.00
Feb	1.18	1.04	1.20	1984	13	2.98	1981	.22	1993	6.1	3.8	.6	.1	.24	.35	.52	.68	.84	1.01	1.20	1.43	1.74	2.23	2.70
Mar	2.32	2.31	2.00	1998	31	5.76	1977	.17	1978	7.8	5.3	1.8	.3	.35	.55	.89	1.21	1.54	1.90	2.32	2.83	3.51	4.63	5.69
Apr	2.63	2.50	2.65	1980	9	4.92	1993	.15	1997	8.9	5.9	1.8	.4	.70	.95	1.33	1.66	1.99	2.34	2.72	3.17	3.77	4.70	5.57
May	3.15	3.06	3.21	1973	28	9.58	1973	.43	1988	8.9	5.9	1.9	.8	.77	1.06	1.52	1.93	2.33	2.76	3.24	3.81	4.55	5.73	6.84
Jun	3.53	2.89	3.22	1990	23	8.42	1990	.71	1976	9.8	6.8	2.3	.8	.87	1.20	1.71	2.17	2.62	3.10	3.63	4.26	5.09	6.41	7.64
Jul	3.83	3.09	6.40	1991	29	9.48	1991	.79	1981	10.0	6.8	2.4	1.0	1.05	1.42	1.97	2.45	2.92	3.42	3.97	4.62	5.46	6.79	8.03
Aug	3.40	3.14	5.50	1964	1	6.63	1995	.40	1971	9.2	6.5	2.4	.9	.99	1.31	1.80	2.22	2.63	3.06	3.53	4.09	4.81	5.94	6.99
Sep	3.25	3.01	2.91	1975	11	6.28	1986	.89	1989	9.6	6.3	2.2	.8	1.09	1.39	1.85	2.23	2.60	2.98	3.39	3.88	4.50	5.47	6.36
Oct	2.31	2.17	1.96	1984	19	5.65	1995	.34	2000	7.8	4.9	1.5	.5	.61	.83	1.16	1.46	1.75	2.05	2.39	2.79	3.31	4.13	4.90
Nov	2.49	2.27	2.41	1984	1	6.54	1992	.06	1976	7.9	5.3	1.5	.5	.40	.61	.98	1.32	1.67	2.06	2.50	3.04	3.76	4.94	6.06
Dec	1.70	1.57	1.83	1959	28	3.71	1987	.25+	1994	8.3	5.2	.9	.1	.42	.58	.83	1.05	1.27	1.50	1.76	2.06	2.47	3.10	3.70
Ann	31.70	31.80	6.40	Jul 1991	29	9.58	May 1973	.06	Nov 1976	102.2	68.0	20.3	6.4	23.21	24.87	26.99	28.60	30.02	31.38	32.79	34.35	36.23	38.95	41.29

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: OCONTO 4 W, WI

COOP ID: 476208

Climate Division: WI 3

NWS Call Sign:

Elevation: 660 Feet

Lat: 44° 53N

Lon: 87° 57W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	11.8	8.7	7	6	14.0	1996	27	31.1	1976	32	1979	24	21	1979	7.0	4.7	1.7	.7	.1	26.2	17.6	11.0	2.1
Feb	8.9	8.0	7	6	8.0	1997	5	24.0	1975	36	1979	16	28	1979	5.0	3.3	1.0	.3	.0	21.5	17.3	13.1	5.0
Mar	7.4	7.8	3	1	13.0	1997	14	25.5	1972	24	1997	16	10	1972	3.4	2.5	1.2	.4	.1	10.5	6.6	4.7	1.2
Apr	3.1	2.0	#	#	9.0	1991	10	11.5	1991	11	1977	5	1	1992	1.6	1.1	.3	.1	.0	1.7	.7	.3	.0
May	.0	.0	#	0	.5	1997	1	.5	1997	#	1997	15	#	1997	@	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.2	.0	#	0	4.0	1976	19	4.0	1976	4	1976	19	#+	1992	.1	.1	@	.0	.0	.1	@	.0	.0
Nov	3.8	2.8	#	#	6.6	1971	27	11.1	1995	9	1971	29	1+	2000	2.7	1.7	.3	.1	.0	3.6	1.4	.3	.0
Dec	12.9	13.3	4	3	13.0	1985	2	28.0	1977	19	1985	2	13	1985	6.5	4.5	1.4	.4	.1	17.4	11.5	6.3	2.0
Ann	48.1	42.6	N/A	N/A	14.0	Jan 1996	27	31.1	Jan 1976	36	Feb 1979	16	28	Feb 1979	26.3	17.9	5.9	2.0	.3	81.0	55.1	35.7	10.3

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: OCONTO 4 W, WI

COOP ID: 476208

Climate Division: WI 3

NWS Call Sign:

Elevation: 660 Feet

Lat: 44°53N

Lon: 87°57W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/13	6/08	6/04	6/01	5/29	5/26	5/22	5/19	5/13
32	5/31	5/25	5/21	5/18	5/15	5/12	5/08	5/04	4/29
28	5/15	5/10	5/07	5/04	5/01	4/29	4/26	4/22	4/18
24	5/02	4/27	4/24	4/21	4/18	4/15	4/12	4/09	4/04
20	4/19	4/14	4/11	4/08	4/06	4/03	4/01	3/29	3/24
16	4/12	4/07	4/04	4/01	3/30	3/27	3/24	3/21	3/16
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/08	9/11	9/14	9/16	9/18	9/20	9/22	9/24	9/28
32	9/15	9/19	9/22	9/25	9/27	9/29	10/02	10/05	10/09
28	9/22	9/27	10/01	10/04	10/07	10/10	10/14	10/17	10/23
24	10/02	10/08	10/13	10/17	10/21	10/25	10/29	11/03	11/09
20	10/19	10/24	10/28	11/01	11/04	11/07	11/10	11/14	11/20
16	11/01	11/06	11/09	11/12	11/15	11/18	11/21	11/25	11/30
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	127	122	118	115	111	108	105	101	96
32	152	146	142	138	134	131	127	123	117
28	181	174	168	163	158	154	149	143	136
24	208	200	195	190	185	181	176	170	163
20	230	224	219	215	211	207	203	198	192
16	247	241	237	233	230	227	223	219	213

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: OCONTO 4 W, WI

COOP ID: 476208

Climate Division: WI 3 NWS Call Sign: Elevation: 660 Feet Lat: 44°53N Lon: 87°57W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1584	1305	1116	691	352	105	29	63	236	579	955	1397	8412
60	1429	1165	961	542	233	41	5	16	122	430	805	1242	6991
57	1336	1081	868	455	174	20	0	5	73	345	715	1149	6221
55	1274	1025	806	398	139	11	0	2	49	292	655	1087	5738
50	1119	885	652	268	72	2	0	0	13	179	507	932	4629
32	579	409	194	17	0	0	0	0	0	6	103	423	1731

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	17	28	101	316	693	950	1127	1056	764	450	138	49	5689
55	0	0	0	8	120	271	414	345	123	23	0	0	1304
57	0	0	0	4	92	220	352	286	87	14	0	0	1055
60	0	0	0	2	58	151	264	204	47	6	0	0	732
65	0	0	0	0	22	65	133	96	11	0	0	0	327
70	0	0	0	0	7	17	49	30	1	0	0	0	104

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	23	144	458	723	893	822	540	240	44	1	0	0	23	167	625	1348	2241	3063	3603	3843	3887	3888
45	0	0	8	75	317	573	738	667	392	136	16	1	0	0	8	83	400	973	1711	2378	2770	2906	2922	2923
50	0	0	2	39	196	424	583	512	260	67	5	0	0	0	2	41	237	661	1244	1756	2016	2083	2088	2088
55	0	0	0	14	109	281	428	357	144	23	0	0	0	0	0	14	123	404	832	1189	1333	1356	1356	1356
60	0	0	0	7	52	163	280	214	70	4	0	0	0	0	0	7	59	222	502	716	786	790	790	790
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	21	98	282	452	579	523	327	151	22	0	0	0	21	119	401	853	1432	1955	2282	2433	2455	2455

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: OSHKOSH, WI

COOP ID: 476330

Climate Division: WI 6

NWS Call Sign:

Elevation: 750 Feet

Lat: 44°01N

Lon: 88°33W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	24.4	7.8	16.1	52+	1973	26	27.4	1990	-32	1951	30	3.9	1977	1515	0	.0	.0	.1	22.5	30.6	10.3
Feb	29.5	12.3	20.9	62	2000	27	31.4	1998	-30	1996	4	10.6	1979	1235	0	.0	.0	.7	16.3	27.3	6.2
Mar	40.2	22.8	31.5	80	1986	30	40.3	2000	-24	1962	1	25.2	1996	1040	0	.0	.0	5.5	6.5	25.9	1.1
Apr	54.1	35.0	44.6	91	1980	22	50.0	1977	6	1954	3	38.4	1975	614	1	.0	@	18.9	.4	12.1	.0
May	68.0	47.5	57.8	92+	1953	30	65.4	1977	20	1966	9	50.6	1997	272	47	.0	.1	30.1	.0	1.2	.0
Jun	77.4	57.3	67.4	98+	1988	22	72.0	1995	33	1972	10	62.9	1982	52	122	.0	2.2	30.0	.0	.0	.0
Jul	81.8	62.1	72.0	101	1995	14	75.3	1983	43+	1968	10	66.3	1992	9	224	.1	3.7	31.0	.0	.0	.0
Aug	79.1	59.8	69.5	101	1948	24	74.0	1995	38	1967	22	65.6	1997	26	164	.1	1.7	31.0	.0	.0	.0
Sep	70.9	50.9	60.9	97+	1955	9	65.5	1998	25+	1974	22	55.7	1993	156	31	.0	.5	29.9	.0	.7	.0
Oct	58.4	40.0	49.2	90	1963	6	56.7	1971	15	1952	20	43.7	1987	492	2	.0	.0	25.2	.0	6.8	.0
Nov	42.6	27.6	35.1	76	1950	1	43.2	1999	-8+	1976	29	27.5	1995	897	0	.0	.0	7.9	4.8	21.6	.2
Dec	29.4	14.8	22.1	65	2001	6	29.6	1998	-27	1983	24	10.8	1989	1331	0	.0	.0	.8	17.4	29.7	5.1
Ann	54.7	36.5	45.6	101+	Jul 1995	14	75.3	Jul 1983	-32	Jan 1951	30	3.9	Jan 1977	7639	591	.2	8.2	211.1	67.9	155.9	22.9

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

082-A

**Climatography
of the United States
No. 20
1971-2000**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: OSHKOSH, WI

COOP ID: 476330

Climate Division: WI 6

NWS Call Sign:

Elevation: 750 Feet Lat: 44°01N

Lon: 88°33W

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.35	1.41	1.15	1998	9	3.12	1982	.10	1981	8.5	4.3	.6	@	.30	.43	.63	.81	.98	1.17	1.39	1.64	1.98	2.51	3.02
Feb	1.09	.99	1.82	1981	22	3.16	1981	.26	1987	7.1	3.0	.5	.1	.22	.32	.48	.63	.78	.93	1.11	1.33	1.61	2.07	2.50
Mar	2.18	2.09	2.48	1998	31	5.94	1979	.10	1999	8.6	4.9	1.4	.3	.29	.46	.77	1.08	1.40	1.75	2.16	2.67	3.35	4.47	5.55
Apr	2.87	2.84	2.28	1981	4	6.06	1981	.36	1997	10.3	6.1	2.0	.6	.96	1.23	1.63	1.97	2.29	2.63	2.99	3.42	3.97	4.82	5.61
May	2.96	2.94	2.88	1959	20	7.35	1973	.38	1981	9.6	6.2	2.0	.6	.72	1.00	1.43	1.81	2.19	2.59	3.04	3.58	4.28	5.39	6.43
Jun	3.66	3.12	3.91	1990	23	10.60	1993	.66	1988	9.8	6.7	2.4	1.0	.84	1.18	1.72	2.20	2.68	3.19	3.76	4.44	5.33	6.75	8.09
Jul	3.58	3.33	3.23	1986	25	8.40	1986	1.10+	1998	9.8	6.5	2.5	.8	1.26	1.60	2.09	2.50	2.89	3.30	3.74	4.26	4.91	5.93	6.87
Aug	4.15	4.09	3.83	1990	19	10.86	1995	1.00	1976	9.9	6.9	2.6	1.1	1.06	1.45	2.05	2.59	3.11	3.66	4.28	5.01	5.96	7.47	8.88
Sep	3.47	2.50	4.58	1986	11	11.51	1986	.57	1976	10.0	6.2	2.2	.9	.67	.98	1.49	1.96	2.43	2.94	3.52	4.22	5.15	6.64	8.05
Oct	2.20	2.15	2.36	1984	19	5.79	1995	.26	1975	8.7	5.1	1.5	.3	.57	.77	1.09	1.38	1.66	1.95	2.27	2.66	3.17	3.96	4.71
Nov	2.51	2.31	2.30	1983	28	6.28	1985	.06	1976	9.5	5.5	1.5	.4	.45	.68	1.04	1.38	1.73	2.11	2.54	3.06	3.75	4.86	5.92
Dec	1.55	1.53	1.37	1959	28	4.57	1982	.25	1993	8.9	4.0	.8	.1	.29	.42	.65	.86	1.08	1.31	1.57	1.89	2.31	3.00	3.64
Ann	31.57	31.41	4.58	Sep 1986	11	11.51	Sep 1986	.06	Nov 1976	110.7	65.4	20.0	6.2	23.76	25.31	27.27	28.74	30.05	31.30	32.59	34.00	35.71	38.17	40.29

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: OSHKOSH, WI

COOP ID: 476330

Climate Division: WI 6

NWS Call Sign:

Elevation: 750 Feet

Lat: 44°01N

Lon: 88°33W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	12.1	9.3	6	3	9.0	1978	26	26.8	1979	28+	1979	28	22	1979	7.5	4.3	1.1	.6	.0	23.0	21.3	17.5	7.9
Feb	8.8	7.5	8	2	7.0	1973	25	21.5	1975	30+	1971	3	24	1979	6.7	3.5	.6	.2	.0	22.4	19.8	17.4	11.6
Mar	8.0	6.1	2	1	10.0	1972	29	24.7	1972	19	1979	5	11	1971	4.2	2.7	.9	.4	.1	10.4	8.1	6.8	3.4
Apr	1.6	.3	#	0	7.0	1977	4	8.6	1977	7	1977	4	1+	1977	1.2	.5	.2	.1	.0	.9	.5	.2	.0
May	.0	.0	#	0	.0	0	0	.0	0	0	0	0	#	2000	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	0	0	1.5	1997	27	1.5	1997	0	0	0	0	0	.1	.1	.0	.0	.0	.0	.0	.0	.0
Nov	5.2	2.3	#	0	6.5	1986	20	14.0	1985	10+	1977	28	1+	1978	3.2	1.7	.4	.1	.0	1.2	.6	.4	.1
Dec	12.9	12.6	3	1	12.0	1990	4	25.3	1978	19	1977	8	9	1977	7.3	3.9	1.1	.5	.1	19.3	16.1	11.9	3.0
Ann	48.7	38.1	N/A	N/A	12.0	Dec 1990	4	26.8	Jan 1979	30+	Feb 1971	3	24	Feb 1979	30.2	16.7	4.3	1.9	.2	77.2	66.4	54.2	26.0

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography
of the United States
No. 20
1971-2000

Station: OSHKOSH, WI

COOP ID: 476330

Climate Division: WI 6

NWS Call Sign:

Elevation: 750 Feet

Lat: 44° 01N

Lon: 88° 33W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/27	5/21	5/17	5/13	5/10	5/06	5/02	4/28	4/22
32	5/13	5/09	5/06	5/03	5/01	4/28	4/25	4/22	4/18
28	5/03	4/28	4/24	4/21	4/18	4/15	4/11	4/08	4/02
24	4/21	4/17	4/13	4/10	4/07	4/05	4/02	3/29	3/24
20	4/14	4/09	4/06	4/04	4/01	3/30	3/27	3/24	3/20
16	4/08	4/02	3/29	3/26	3/23	3/19	3/16	3/12	3/07
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/17	9/21	9/23	9/26	9/28	9/30	10/02	10/05	10/09
32	9/20	9/26	10/01	10/04	10/08	10/11	10/15	10/20	10/26
28	10/02	10/08	10/13	10/17	10/21	10/24	10/28	11/02	11/08
24	10/20	10/25	10/28	10/31	11/03	11/06	11/09	11/13	11/17
20	10/25	10/31	11/04	11/08	11/11	11/15	11/19	11/23	11/29
16	11/02	11/08	11/12	11/16	11/19	11/23	11/26	11/30	12/06
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	163	155	150	145	141	136	132	126	119
32	182	175	169	164	160	155	150	145	137
28	213	204	197	191	185	180	174	167	157
24	230	223	218	213	209	205	200	195	188
20	246	238	232	228	223	219	214	209	201
16	267	258	252	246	241	236	230	223	214

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography
of the United States
No. 20
1971-2000

Station: OSHKOSH, WI

COOP ID: 476330

Climate Division: WI 6 NWS Call Sign: Elevation: 750 Feet Lat: 44°01N Lon: 88°33W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1515	1235	1040	614	272	52	9	26	156	492	897	1331	7639
60	1360	1095	885	469	172	15	0	4	68	347	747	1176	6338
57	1267	1011	792	386	123	6	0	1	36	268	657	1083	5630
55	1205	955	730	333	96	3	0	0	21	221	598	1021	5183
50	1050	815	577	215	45	0	0	0	4	124	455	866	4151
32	521	356	144	10	0	0	0	0	0	3	90	374	1498

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	28	45	128	387	797	1060	1238	1161	866	536	183	66	6495
55	0	0	0	20	180	373	525	448	197	42	1	0	1786
57	0	0	0	12	145	316	463	387	152	27	0	0	1502
60	0	0	0	6	101	235	370	297	94	12	0	0	1115
65	0	0	0	1	47	122	224	164	31	2	0	0	591
70	0	0	0	0	17	46	107	70	6	0	0	0	246

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	39	198	552	820	989	916	634	307	59	3	0	0	39	237	789	1609	2598	3514	4148	4455	4514	4517
45	0	0	17	112	403	670	834	761	487	190	24	1	0	0	17	129	532	1202	2036	2797	3284	3474	3498	3499
50	0	0	9	57	271	521	679	606	345	102	6	0	0	0	9	66	337	858	1537	2143	2488	2590	2596	2596
55	0	0	2	25	161	376	524	452	218	45	1	0	0	0	2	27	188	564	1088	1540	1758	1803	1804	1804
60	0	0	0	9	84	239	370	299	118	14	0	0	0	0	0	9	93	332	702	1001	1119	1133	1133	1133
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	23	117	329	527	665	601	381	164	28	1	0	0	23	140	469	996	1661	2262	2643	2807	2835	2836

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: OWEN 3 W, WI

COOP ID: 476357

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,242 Feet Lat: 44°58N

Lon: 90°36W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	18.7	-1.0	8.9	52	1981	26	21.5	1990	-42+	1972	15	-5.9	1977	1743	0	.0	.0	@	26.4	31.0	16.2
Feb	25.0	4.6	14.8	54+	2000	27	29.2	1998	-38+	1996	4	4.8	1989	1406	0	.0	.0	.4	19.2	27.7	10.9
Mar	36.3	17.6	27.0	78	1986	30	37.6	2000	-36	1962	1	18.6	1975	1179	0	.0	.0	3.9	10.0	27.3	4.1
Apr	52.1	31.9	42.0	87+	1970	30	47.6	1987	2+	1979	6	34.6	1975	691	0	.0	.0	17.1	1.0	15.9	.0
May	66.1	43.8	55.0	93	1959	3	62.0	1977	13+	1989	6	49.0	1997	337	27	.0	@	29.2	.0	3.2	.0
Jun	74.2	53.0	63.6	94	1988	25	69.1	1991	28	1972	10	57.8	1982	109	67	.0	.7	30.0	.0	.1	.0
Jul	78.3	57.4	67.9	99	1995	14	72.0	1983	35	1966	20	62.6	1992	32	121	.0	1.7	31.0	.0	.0	.0
Aug	76.1	55.0	65.6	101+	1988	2	71.5	1995	28	1950	20	59.8	1977	78	94	@	.9	31.0	.0	.1	.0
Sep	67.1	45.4	56.3	94	1976	8	62.5	1998	21	1967	29	50.8	1993	272	10	.0	.2	29.2	.0	2.3	.0
Oct	54.8	34.5	44.7	88	1953	3	51.7	1971	8+	1976	27	38.8	1988	632	0	.0	.0	21.5	.1	13.8	.0
Nov	38.2	22.1	30.2	76	1950	1	38.1	1999	-18+	1976	29	22.1	1976	1045	0	.0	.0	5.2	9.1	25.8	1.4
Dec	24.0	6.4	15.2	62	2001	6	24.4	1997	-33	1983	19	1.9	1983	1543	0	.0	.0	.3	23.4	30.8	10.6
Ann	50.9	30.9	40.9	101+	Aug 1988	2	72.0	Jul 1983	-42+	Jan 1972	15	-5.9	Jan 1977	9067	319	@	3.5	198.8	89.2	178.0	43.2

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

083-A

**Climatography
of the United States
No. 20
1971-2000**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: OWEN 3 W, WI

COOP ID: 476357

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,242 Feet Lat: 44°58N

Lon: 90°36W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.05	.93	1.17	1967	25	2.83	1996	.04	1981	8.5	3.7	.3	.0	.16	.25	.40	.55	.70	.86	1.05	1.28	1.58	2.08	2.56
Feb	.87	.79	1.03	1951	26	2.18	1981	.06	1987	6.4	3.1	.3	.0	.16	.24	.36	.48	.60	.74	.88	1.06	1.30	1.69	2.06
Mar	1.85	1.85	1.62	1973	11	3.67	1976	.10	1978	8.6	4.7	1.0	.2	.32	.48	.75	1.00	1.26	1.54	1.86	2.25	2.77	3.61	4.41
Apr	2.52	2.68	2.80	1958	6	4.19	1999	.62	1997	10.6	6.3	1.5	.3	.99	1.22	1.55	1.83	2.09	2.35	2.64	2.97	3.39	4.04	4.63
May	3.55	3.09	2.60	1989	30	8.63	1973	.74	1986	11.3	7.2	2.5	.8	1.12	1.46	1.96	2.39	2.80	3.23	3.70	4.25	4.96	6.07	7.09
Jun	4.42	3.53	3.80	1980	6	12.13	1980	1.17	1983	11.6	7.9	3.1	1.1	1.20	1.62	2.25	2.81	3.36	3.93	4.57	5.33	6.31	7.85	9.29
Jul	4.18	3.98	3.66	1957	8	9.57	1999	.89	1974	11.1	7.5	2.5	1.2	1.15	1.55	2.15	2.68	3.19	3.73	4.33	5.04	5.96	7.40	8.75
Aug	4.49	4.17	3.55	2001	2	8.18	1980	1.52	1996	11.5	7.2	3.1	1.3	1.61	2.03	2.64	3.15	3.64	4.15	4.69	5.33	6.14	7.39	8.54
Sep	4.21	3.73	4.51	1980	21	10.14	1986	.81	1979	11.4	7.4	2.6	1.0	1.17	1.57	2.18	2.71	3.23	3.77	4.37	5.07	5.99	7.44	8.78
Oct	2.52	2.32	2.95	1979	22	7.47	1979	.30	1976	9.8	5.6	1.4	.5	.60	.84	1.21	1.54	1.86	2.21	2.59	3.05	3.66	4.61	5.51
Nov	2.15	1.80	3.50	1975	10	7.00	1991	.12	1976	9.7	4.7	1.4	.3	.33	.52	.83	1.13	1.43	1.77	2.16	2.63	3.26	4.30	5.28
Dec	1.20	1.13	1.21	1965	13	2.94	1982	.07	1997	9.1	4.0	.4	.1	.18	.28	.46	.62	.79	.98	1.20	1.46	1.82	2.40	2.95
Ann	33.01	33.63	4.51	Sep 1980	21	12.13	Jun 1980	.04	Jan 1981	119.6	69.3	20.1	6.8	22.69	24.66	27.20	29.14	30.87	32.55	34.29	36.21	38.56	41.97	44.93

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

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Complete documentation available from:

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Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: OWEN 3 W, WI

COOP ID: 476357

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,242 Feet

Lat: 44°58N

Lon: 90°36W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	10.7	9.8	11	11	8.0	1996	27	28.5	1982	36	1982	31	23	1979	5.8	4.7	1.5	.6	.0	30.3	27.8	21.8	14.1
Feb	8.6	9.0	13	12	10.0	1983	3	19.0	1975	40	1971	14	32	1971	4.6	3.7	1.0	.2	@	27.5	26.0	24.0	13.8
Mar	8.5	6.8	6	4	10.0	1989	4	26.5	1989	39	1972	11	23	1972	4.2	3.4	1.1	.5	@	20.9	16.2	13.2	5.4
Apr	2.7	2.0	1	#	5.0	1993	1	16.0	1993	10	1975	2	3	1975	1.5	1.3	.4	.1	.0	3.1	1.1	.5	.0
May	.1	.0	#	0	1.0	1996	5	1.0	1996	1	1997	1	#+	1999	.1	@	.0	.0	.0	@	.0	.0	.0
Jun	.0	.0	#	0	.0	0	0	.0	0	#	1997	12	#	1997	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	0	0	#	1985	25	#	1985	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.5	.0	#	0	3.0	1992	20	3.5	1987	3	1992	20	#+	1997	.4	.3	@	.0	.0	.2	@	.0	.0
Nov	5.1	2.9	1	#	8.0	1991	24	20.0	1991	14	1991	27	9	1995	3.6	2.3	.6	.2	.0	7.4	3.2	2.2	.4
Dec	11.4	11.0	6	5	11.0	1985	2	24.0	1971	28	1985	31	26	1985	6.2	4.8	1.0	.2	@	27.5	21.0	15.6	8.2
Ann	47.6	41.5	N/A	N/A	11.0	Dec 1985	2	28.5	Jan 1982	40	Feb 1971	14	32	Feb 1971	26.4	20.5	5.6	1.8	@	116.9	95.3	77.3	41.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: OWEN 3 W, WI

COOP ID: 476357

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,242 Feet

Lat: 44°58N

Lon: 90°36W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/17	6/11	6/07	6/03	5/31	5/27	5/24	5/19	5/14
32	6/05	5/29	5/24	5/20	5/17	5/13	5/09	5/04	4/27
28	5/17	5/11	5/06	5/03	4/29	4/26	4/22	4/18	4/12
24	5/01	4/26	4/23	4/20	4/17	4/14	4/11	4/08	4/03
20	4/22	4/17	4/14	4/11	4/08	4/06	4/03	3/30	3/25
16	4/18	4/12	4/08	4/05	4/02	3/30	3/26	3/22	3/17
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/27	9/02	9/06	9/09	9/12	9/15	9/19	9/23	9/28
32	9/06	9/11	9/15	9/19	9/22	9/25	9/28	10/02	10/07
28	9/21	9/26	9/30	10/03	10/05	10/08	10/11	10/15	10/19
24	10/02	10/08	10/12	10/16	10/20	10/23	10/27	10/31	11/06
20	10/13	10/19	10/24	10/27	10/31	11/03	11/07	11/11	11/17
16	10/21	10/27	11/01	11/05	11/09	11/13	11/17	11/21	11/28
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	128	120	114	108	104	99	94	88	79
32	154	145	138	133	127	122	117	110	101
28	182	174	168	163	159	154	149	143	135
24	210	201	195	190	185	180	174	168	160
20	228	220	214	209	205	200	195	189	181
16	249	239	232	226	220	215	209	202	192

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States**
No. 20
1971-2000

Station: OWEN 3 W, WI

COOP ID: 476357

Climate Division: WI 2 NWS Call Sign: Elevation: 1,242 Feet Lat: 44°58N Lon: 90°36W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1743	1406	1179	691	337	109	32	78	272	632	1045	1543	9067
60	1588	1266	1024	544	222	44	5	24	154	480	895	1388	7634
57	1495	1182	931	458	165	22	0	10	99	393	805	1295	6855
55	1433	1126	869	403	132	13	0	5	70	337	745	1233	6366
50	1278	986	717	277	67	3	0	0	24	215	598	1078	5243
32	736	512	258	26	0	0	0	0	0	11	171	559	2273

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	16	30	102	326	713	948	1112	1039	728	403	116	39	5572
55	0	0	0	12	132	271	399	331	108	16	0	0	1269
57	0	0	0	7	102	220	337	274	77	9	0	0	1026
60	0	0	0	3	66	152	249	195	42	3	0	0	710
65	0	0	0	0	27	67	121	94	10	0	0	0	319
70	0	0	0	0	9	19	40	31	1	0	0	0	100

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	20	162	480	719	884	813	508	206	29	1	0	0	20	182	662	1381	2265	3078	3586	3792	3821	3822
45	0	0	7	90	335	569	729	658	365	114	10	0	0	0	7	97	432	1001	1730	2388	2753	2867	2877	2877
50	0	0	3	45	215	421	574	503	235	58	2	0	0	0	3	48	263	684	1258	1761	1996	2054	2056	2056
55	0	0	0	19	118	281	419	349	136	23	0	0	0	0	0	19	137	418	837	1186	1322	1345	1345	1345
60	0	0	0	7	61	164	266	206	64	3	0	0	0	0	0	7	68	232	498	704	768	771	771	771
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	14	106	288	449	572	512	308	123	19	0	0	0	14	120	408	857	1429	1941	2249	2372	2391	2391

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: PARK FALLS DNR HQ, WI

COOP ID: 476398

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,525 Feet Lat: 45°56N

Lon: 90°27W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max ≥ 100	Max ≥ 90	Max ≥ 50	Max ≤ 32	Min ≤ 32	Min ≤ 0
Jan	19.5	.0	9.8	53	1973	25	20.9	1990	-39+	1972	15	-.3	1977	1715	0	.0	.0	.1	27.5	31.0	15.4
Feb	26.2	6.0	16.1	59	1976	24	29.9	1998	-40	1996	2	6.2	1989	1368	0	.0	.0	.6	19.7	27.7	9.6
Mar	37.2	17.8	27.5	76	1986	31	36.7	1973	-30	1962	1	21.4	1996	1163	0	.0	.0	4.3	10.1	27.9	3.8
Apr	51.7	30.6	41.2	90+	1980	22	47.4	1977	-3	1954	3	35.1	1995	716	0	.0	@	16.8	1.5	18.6	.1
May	66.1	43.7	54.9	90	1959	2	64.1	1977	18	1966	9	47.0	1997	346	32	.0	.0	29.1	.0	4.2	.0
Jun	73.3	52.3	62.8	95+	1986	3	67.3	1995	31	1994	2	57.1	1982	121	54	.0	.4	30.0	.0	.2	.0
Jul	77.2	57.3	67.3	103	1995	14	71.8	1983	37	1948	1	61.1	1992	44	113	@	.9	31.0	.0	.0	.0
Aug	75.0	55.4	65.2	95	1964	2	69.9	1983	29	1950	20	61.0	1977	83	89	.0	.4	31.0	.0	.0	.0
Sep	65.8	46.1	56.0	94	1976	7	61.5	1998	25+	1984	29	49.9	1993	281	9	.0	@	28.8	.0	2.1	.0
Oct	53.8	35.5	44.7	86	1953	2	51.9	1973	10+	1988	30	39.6	1987	630	0	.0	.0	20.0	.5	13.0	.0
Nov	36.8	21.7	29.3	71	1975	5	35.8	1999	-17+	1976	30	20.0	1995	1072	0	.0	.0	4.0	11.5	26.3	1.3
Dec	23.5	7.3	15.4	57+	1998	4	23.7	1997	-34	1983	19	4.1	1989	1539	0	.0	.0	.3	25.0	30.8	9.8
Ann	50.5	31.1	40.9	103	Jul 1995	14	71.8	Jul 1983	-40	Feb 1996	2	-.3	Jan 1977	9078	297	@	1.7	196.0	95.8	181.8	40.0

+ Also occurred on an earlier date(s)

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Issue Date: February 2004

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No. 20

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National Climatic Data Center
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Station: PARK FALLS DNR HQ, WI

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Climate Division: WI 2

NWS Call Sign:

Elevation: 1,525 Feet Lat: 45°56N

Lon: 90°27W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.17	1.06	1.63	1997	5	2.59	1997	.17	1981	10.7	3.8	.2	.1	.28	.39	.56	.71	.87	1.02	1.20	1.41	1.69	2.13	2.54
Feb	.83	.80	1.06	1951	26	2.17	1971	.01	1993	7.4	2.9	.3	.0	.12	.19	.31	.43	.55	.68	.83	1.01	1.26	1.66	2.04
Mar	1.79	1.72	1.81	1998	28	3.83	1979	.17	1978	9.5	4.5	.9	.2	.35	.51	.77	1.02	1.26	1.52	1.82	2.18	2.66	3.42	4.15
Apr	2.34	2.09	2.75	1954	26	5.74	1982	.36	1987	10.3	6.0	1.5	.3	.79	1.01	1.33	1.61	1.87	2.14	2.44	2.78	3.23	3.91	4.54
May	3.17	2.78	3.47	1970	30	6.35	1973	.99	1976	10.7	6.7	2.0	.6	1.24	1.54	1.95	2.30	2.62	2.96	3.32	3.73	4.26	5.07	5.81
Jun	4.14	4.03	3.13	1949	30	7.12	2000	2.24	1988	12.4	8.3	2.7	.9	2.29	2.62	3.05	3.39	3.70	4.01	4.33	4.69	5.15	5.82	6.42
Jul	3.96	3.82	5.82	1969	15	9.46	1999	.78	1989	11.1	7.6	2.9	.7	1.43	1.80	2.34	2.79	3.22	3.66	4.14	4.70	5.41	6.51	7.52
Aug	4.50	3.93	4.62	1972	16	10.41	1972	1.53	1998	11.4	7.2	2.6	1.0	1.57	2.00	2.61	3.13	3.63	4.14	4.70	5.35	6.18	7.46	8.64
Sep	3.98	3.59	3.95	1959	6	8.88	1985	1.02	1976	12.3	7.4	2.5	1.0	1.19	1.57	2.13	2.62	3.09	3.59	4.13	4.77	5.60	6.89	8.09
Oct	2.88	2.94	2.39	1966	14	5.02	1996	.43	1976	11.0	6.6	1.7	.6	1.05	1.32	1.71	2.03	2.34	2.66	3.01	3.41	3.92	4.71	5.43
Nov	2.15	1.87	3.18	1991	1	5.44	1975	.30	1981	10.3	5.4	1.2	.3	.51	.71	1.03	1.31	1.59	1.88	2.21	2.61	3.12	3.94	4.71
Dec	1.18	1.11	1.04	1965	12	3.39	1984	.24	1997	10.4	3.5	.3	@	.24	.35	.52	.68	.84	1.01	1.21	1.44	1.75	2.24	2.71
Ann	32.09	32.55	5.82	Jul 1969	15	10.41	Aug 1972	.01	Feb 1993	127.5	69.9	18.8	5.7	23.33	25.04	27.22	28.87	30.33	31.74	33.19	34.79	36.73	39.53	41.95

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

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No. 20 1971-2000

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NWS Call Sign:

Elevation: 1,525 Feet

Lat: 45°56N

Lon: 90°27W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	4.8	-99.9	12	11	8.0	1972	24	24.0	1971	36	1982	31	23	1986	6.5	5.1	1.6	.4	.0	-9.9	-9.9	-9.9	-9.9
Feb	8.8	7.5	14	12	6.5	2000	16	18.0	1971	37	1982	3	31	1971	4.5	3.5	1.0	.5	.0	-9.9	-9.9	-9.9	-9.9
Mar	8.2	5.9	7	4	24.0	1996	25	24.0	1996	29+	1979	6	24	1971	2.8	2.2	1.1	.5	.1	-9.9	-9.9	-9.9	-9.9
Apr	2.6	1.0	1	#	13.0	1974	3	13.0+	1974	21	1971	4	6	1971	1.0	.8	.3	.2	.1	.3	.2	.0	.0
May	.0	.0	#	0	.5	1996	1	.5	1996	#	1973	3	#	1973	.1	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	0	0	#	1974	30	#	1974	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.2	.0	#	0	1.0	1978	15	1.7	1990	5	1982	22	1	1982	.1	.1	.0	.0	.0	.0	.0	.0	.0
Nov	1.4	-99.9	1	#	7.0	1993	5	7.0	1993	17	1985	30	4	1991	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9
Dec	4.0	-99.9	6	5	7.0	1972	29	12.0	1971	29	1985	28	27	1985	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9
Ann	30.0	-9.9	N/A	N/A	24.0	Mar 1996	25	24.0+	Mar 1996	37	Feb 1982	3	31	Feb 1971	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: PARK FALLS DNR HQ, WI

COOP ID: 476398

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,525 Feet

Lat: 45°56N

Lon: 90°27W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/20	6/14	6/09	6/06	6/02	5/30	5/26	5/22	5/15
32	6/03	5/29	5/25	5/21	5/18	5/15	5/11	5/07	5/02
28	5/17	5/12	5/09	5/06	5/03	4/30	4/27	4/24	4/19
24	5/03	4/29	4/26	4/23	4/20	4/18	4/15	4/12	4/07
20	4/23	4/18	4/15	4/12	4/10	4/07	4/05	4/01	3/28
16	4/14	4/10	4/07	4/05	4/03	4/01	3/29	3/26	3/23
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/03	9/07	9/10	9/12	9/14	9/17	9/19	9/22	9/26
32	9/12	9/16	9/18	9/21	9/23	9/25	9/27	9/30	10/04
28	9/23	9/27	9/30	10/02	10/04	10/06	10/08	10/11	10/14
24	10/06	10/11	10/15	10/18	10/22	10/25	10/28	11/01	11/06
20	10/19	10/23	10/26	10/29	10/31	11/03	11/05	11/08	11/12
16	10/26	10/31	11/03	11/06	11/08	11/11	11/14	11/17	11/21
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	123	116	111	107	104	100	96	91	84
32	148	141	136	131	127	123	119	113	106
28	169	163	160	156	153	150	147	143	137
24	203	196	191	187	183	180	175	171	164
20	223	216	211	207	204	200	196	191	184
16	236	230	226	222	219	215	212	208	202

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: PARK FALLS DNR HQ, WI

COOP ID: 476398

Climate Division: WI 2 NWS Call Sign: Elevation: 1,525 Feet Lat: 45°56N Lon: 90°27W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1715	1368	1163	716	346	121	44	83	281	630	1072	1539	9078
60	1560	1228	1008	569	233	50	8	26	160	479	922	1384	7627
57	1467	1144	915	483	177	25	1	11	104	392	832	1291	6842
55	1405	1088	853	427	144	15	0	5	74	337	772	1229	6349
50	1250	948	698	299	78	3	0	0	25	216	623	1074	5214
32	703	469	215	28	1	0	0	0	0	12	181	542	2151

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	11	25	76	302	710	923	1092	1029	718	405	99	26	5416
55	0	0	0	12	140	248	379	321	101	17	0	0	1218
57	0	0	0	7	111	198	318	265	71	10	0	0	980
60	0	0	0	3	74	133	233	187	38	4	0	0	672
65	0	0	0	0	32	54	113	89	9	0	0	0	297
70	0	0	0	0	12	13	38	29	1	0	0	0	93

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	22	139	463	686	847	777	483	191	24	0	0	0	22	161	624	1310	2157	2934	3417	3608	3632	3632
45	0	0	7	73	322	536	692	622	339	103	9	0	0	0	7	80	402	938	1630	2252	2591	2694	2703	2703
50	0	0	1	36	205	388	537	467	212	46	1	0	0	0	1	37	242	630	1167	1634	1846	1892	1893	1893
55	0	0	0	15	115	248	385	316	117	18	0	0	0	0	0	15	130	378	763	1079	1196	1214	1214	1214
60	0	0	0	4	54	138	238	178	54	3	0	0	0	0	0	4	58	196	434	612	666	669	669	669
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	15	98	283	419	540	482	275	109	11	0	0	0	15	113	396	815	1355	1837	2112	2221	2232	2232

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: PLATTEVILLE, WI

COOP ID: 476646

Climate Division: WI 7

NWS Call Sign:

Elevation: 990 Feet

Lat: 42°45N

Lon: 90°28W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max ≥ 100	Max ≥ 90	Max ≥ 50	Max ≤ 32	Min ≤ 32	Min ≤ 0
Jan	24.9	7.3	16.1	58	1989	31	27.3	1990	-30	1951	30	3.2	1977	1516	0	.0	.0	.5	21.4	30.5	9.8
Feb	31.0	12.7	21.9	66	2000	26	34.6	1998	-32	1996	3	10.2	1979	1208	0	.0	.0	1.8	14.0	26.3	5.3
Mar	43.3	23.7	33.5	85	1986	29	41.3	2000	-27	1962	1	24.3	1975	976	0	.0	.0	9.2	5.1	23.7	1.0
Apr	57.7	34.9	46.3	94	1980	22	53.5	1977	3	1982	7	40.2	1975	563	2	.0	@	23.1	.3	11.1	.0
May	69.4	46.0	57.7	93	1953	30	64.9	1977	26+	1989	7	51.2	1997	262	36	.0	.2	30.7	.0	1.4	.0
Jun	79.0	55.9	67.5	101	1988	20	72.1	1971	36+	1993	1	62.2	1982	48	122	@	2.0	30.0	.0	.0	.0
Jul	82.6	60.8	71.7	102+	1955	30	75.6	1983	42+	1971	30	66.3	1992	12	220	@	4.9	31.0	.0	.0	.0
Aug	80.4	59.2	69.8	103	1988	17	76.2	1995	38+	1986	28	64.9	1992	34	184	.1	2.4	31.0	.0	.0	.0
Sep	72.5	50.0	61.3	100+	1955	9	66.2	1978	25+	1974	22	55.5	1993	151	37	.0	.8	30.0	.0	1.0	.0
Oct	60.8	38.9	49.9	91	1953	2	57.6	1971	12	1962	26	43.9	1988	471	2	.0	@	27.0	.0	8.0	.0
Nov	43.4	26.2	34.8	80	1950	1	42.3	1999	-14	1977	26	27.4	1995	907	0	.0	.0	10.3	4.5	21.4	.3
Dec	30.1	14.1	22.1	64	1998	6	30.1	1982	-26	1983	19	9.8	2000	1330	0	.0	.0	1.3	15.8	29.4	5.1
Ann	56.3	35.8	46.1	103	Aug 1988	17	76.2	Aug 1995	-32	Feb 1996	3	3.2	Jan 1977	7478	603	.1	10.3	225.9	61.1	152.8	21.5

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

085-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: PLATTEVILLE, WI

COOP ID: 476646

Climate Division: WI 7

NWS Call Sign:

Elevation: 990 Feet Lat: 42°45N

Lon: 90°28W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.12	1.01	1.35	1960	12	2.61	1996	.19	1981	9.1	3.3	.3	@	.31	.42	.58	.72	.86	1.00	1.16	1.35	1.59	1.97	2.33
Feb	1.29	1.10	1.71	1998	27	3.65	1971	.06	1987	7.1	3.4	.7	.2	.14	.23	.41	.59	.78	1.00	1.26	1.58	2.01	2.73	3.44
Mar	2.22	1.96	2.55	1998	31	4.83	1977	.57	1994	9.7	5.3	1.4	.2	.48	.69	1.01	1.31	1.60	1.91	2.27	2.69	3.25	4.13	4.97
Apr	3.52	3.18	2.42	1974	14	7.01	1973	1.25	1985	12.5	7.4	2.5	.6	1.36	1.68	2.15	2.54	2.90	3.28	3.68	4.15	4.75	5.66	6.50
May	3.93	4.22	3.21	1999	17	6.05	1996	.77	1992	12.5	7.2	2.9	1.0	1.25	1.62	2.18	2.65	3.10	3.57	4.09	4.70	5.48	6.69	7.82
Jun	5.06	4.40	5.98	2000	1	12.57	2000	.80	1992	11.4	7.1	3.2	1.4	1.12	1.59	2.33	3.00	3.67	4.38	5.18	6.14	7.40	9.40	11.30
Jul	4.54	4.21	4.92	1951	8	10.78	1999	1.28	1985	10.6	7.0	2.6	1.3	1.29	1.72	2.37	2.94	3.49	4.07	4.71	5.46	6.44	7.97	9.40
Aug	4.44	4.62	4.62	1991	8	8.07	1979	1.15	1995	10.6	6.9	2.9	1.3	1.40	1.82	2.45	2.98	3.50	4.03	4.62	5.31	6.20	7.59	8.87
Sep	3.52	3.70	3.20	1961	13	6.88	1986	.64+	1990	10.1	6.1	2.7	.8	.69	1.01	1.52	2.00	2.48	2.99	3.58	4.28	5.22	6.71	8.13
Oct	2.61	2.52	2.80	1954	10	7.17	1984	.33	1975	10.2	5.5	1.7	.6	.58	.82	1.21	1.55	1.89	2.26	2.67	3.17	3.81	4.85	5.82
Nov	2.43	1.99	2.63	1961	2	5.91	1992	.10	1976	10.3	5.2	1.4	.4	.48	.70	1.06	1.39	1.72	2.08	2.48	2.96	3.60	4.63	5.61
Dec	1.45	1.36	2.51	1971	15	4.04	1971	.25	1989	9.4	3.9	.7	.1	.29	.43	.64	.83	1.03	1.24	1.48	1.76	2.14	2.74	3.31
Ann	36.13	36.08	5.98	Jun 2000	1	12.57	Jun 2000	.06	Feb 1987	123.5	68.3	23.0	7.9	25.32	27.40	30.07	32.10	33.90	35.65	37.46	39.46	41.89	45.41	48.47

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: PLATTEVILLE, WI

COOP ID: 476646

Climate Division: WI 7

NWS Call Sign:

Elevation: 990 Feet

Lat: 42°45N

Lon: 90°28W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	11.1	9.3	5	4	11.5	1996	27	33.6	1979	29	1979	23	20	1979	7.8	3.3	1.0	.4	.1	21.6	16.4	13.9	5.3
Feb	7.2	7.2	5	4	8.1	1975	24	21.3	1975	29	1979	12	25	1979	5.8	2.4	1.0	.2	.0	19.7	15.5	9.4	3.8
Mar	5.8	6.6	2	1	9.0	1998	9	13.2	1975	22	1979	1	9	1975	3.7	1.9	.7	.2	.0	7.2	4.5	3.1	1.3
Apr	2.4	1.3	#	#	10.2	1973	9	14.0	1973	12	1973	9	1	1997	1.4	.7	.2	.1	@	1.0	.5	.3	@
May	.1	.0	#	0	2.9	1994	1	2.9	1994	3	1994	1	#	1994	.1	@	.0	.0	.0	@	@	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	0	0	#	1983	21	#	1983	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.3	.0	#	0	6.2	1997	27	6.2	1997	6	1997	27	#+	1999	.2	@	@	@	.0	.1	.1	@	.0
Nov	3.3	1.6	#	#	7.9	1995	28	11.1	1977	10	1977	27	2	1986	3.3	.9	.3	@	.0	3.9	1.5	.6	@
Dec	10.7	6.5	3	2	18.4	1990	3	33.6	2000	30	2000	30	15	2000	6.9	2.7	1.0	.3	.1	17.9	11.9	6.9	3.1
Ann	40.9	32.5	N/A	N/A	18.4	Dec 1990	3	33.6+	Dec 2000	30	Dec 2000	30	25	Feb 1979	29.2	11.9	4.2	1.2	.2	71.4	50.4	34.2	13.5

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography
of the United States
No. 20
1971-2000

Station: PLATTEVILLE, WI

COOP ID: 476646

Climate Division: WI 7

NWS Call Sign:

Elevation: 990 Feet

Lat: 42° 45N

Lon: 90° 28W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/30	5/26	5/22	5/19	5/16	5/13	5/10	5/07	5/02
32	5/22	5/16	5/11	5/08	5/04	5/01	4/27	4/23	4/17
28	5/03	4/28	4/24	4/21	4/19	4/16	4/13	4/09	4/04
24	4/18	4/15	4/12	4/10	4/08	4/06	4/04	4/01	3/29
20	4/14	4/10	4/07	4/04	4/02	3/31	3/29	3/26	3/22
16	4/06	4/01	3/28	3/24	3/21	3/18	3/14	3/10	3/04
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/13	9/18	9/21	9/24	9/27	9/29	10/02	10/05	10/10
32	9/20	9/24	9/27	9/29	10/01	10/03	10/06	10/09	10/12
28	9/28	10/03	10/07	10/10	10/13	10/16	10/19	10/23	10/28
24	10/11	10/16	10/20	10/23	10/26	10/29	11/01	11/05	11/10
20	10/18	10/23	10/27	10/30	11/02	11/05	11/08	11/12	11/17
16	11/01	11/06	11/09	11/12	11/15	11/18	11/21	11/24	11/29
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	154	146	141	137	133	128	124	119	111
32	169	162	157	153	149	145	141	136	129
28	197	190	185	180	176	172	168	163	156
24	219	212	208	204	200	196	192	188	181
20	230	224	220	216	213	209	206	202	196
16	263	255	248	243	239	234	229	222	214

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: PLATTEVILLE, WI

COOP ID: 476646

Climate Division: WI 7 NWS Call Sign: Elevation: 990 Feet Lat: 42°45N Lon: 90°28W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1516	1208	976	563	262	48	12	34	151	471	907	1330	7478
60	1361	1068	821	420	159	13	0	9	65	326	757	1175	6174
57	1268	984	728	340	110	5	0	2	34	249	667	1082	5469
55	1206	928	667	290	84	2	0	0	20	203	608	1020	5028
50	1051	791	523	182	36	0	0	0	3	110	465	865	4026
32	532	352	131	8	0	0	0	0	0	2	96	374	1495

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	39	67	178	437	797	1064	1230	1173	877	556	179	68	6665
55	0	0	1	29	168	376	517	460	206	44	1	0	1802
57	0	0	0	19	133	318	455	400	160	28	0	0	1513
60	0	0	0	9	88	236	362	313	102	13	0	0	1123
65	0	0	0	2	36	122	220	184	37	2	0	0	603
70	0	0	0	0	12	45	107	91	8	0	0	0	263

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	5	73	266	595	855	1011	947	664	344	73	5	0	5	78	344	939	1794	2805	3752	4416	4760	4833	4838
45	0	0	37	161	445	705	856	792	518	218	33	2	0	0	37	198	643	1348	2204	2996	3514	3732	3765	3767
50	0	0	16	86	301	555	701	637	374	125	11	0	0	0	16	102	403	958	1659	2296	2670	2795	2806	2806
55	0	0	6	43	183	405	546	482	246	61	3	0	0	0	6	49	232	637	1183	1665	1911	1972	1975	1975
60	0	0	1	16	96	268	393	329	142	26	0	0	0	0	1	17	113	381	774	1103	1245	1271	1271	1271
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	45	167	368	557	684	629	417	206	38	3	0	1	46	213	581	1138	1822	2451	2868	3074	3112	3115

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: PLYMOUTH, WI

COOP ID: 476678

Climate Division: WI 6

NWS Call Sign:

Elevation: 834 Feet Lat: 43°44N Lon: 87°58W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	25.4	9.0	17.2	60	1944	26	28.4	1990	-29+	1982	10	4.9	1977	1482	0	.0	.0	.3	20.9	30.3	7.9
Feb	30.0	13.0	21.5	64	2000	27	31.6	1998	-27+	1996	3	11.8	1979	1219	0	.0	.0	1.0	15.3	26.8	4.4
Mar	40.4	23.0	31.7	82	1910	29	40.5	2000	-18	1962	1	25.1	1984	1032	0	.0	.0	6.2	6.0	25.4	.7
Apr	53.6	34.2	43.9	89+	1990	25	49.8	1977	8	1954	3	38.0	1975	633	0	.0	.0	19.0	.5	12.5	.0
May	66.9	45.0	56.0	92+	1978	27	62.7	1977	21+	1966	10	48.8	1997	310	29	.0	.1	29.9	.0	2.4	.0
Jun	76.5	54.6	65.6	101	1931	29	71.2	1988	30	1945	4	59.9	1982	81	97	.0	2.1	30.0	.0	.0	.0
Jul	81.0	60.1	70.6	107	1936	14	74.9	1983	39+	1968	3	64.5	1992	17	190	.1	3.5	31.0	.0	.0	.0
Aug	78.5	58.5	68.5	101+	1988	17	73.7+	1995	36	1915	30	64.4	1992	37	146	@	1.5	31.0	.0	.0	.0
Sep	70.4	49.8	60.1	98	1953	2	65.6	1998	25	1926	26	55.6	1975	172	25	.0	.4	30.0	.0	.6	.0
Oct	58.3	39.5	48.9	88+	1976	1	55.9	1971	6	1925	30	43.9	1988	500	1	.0	.0	25.7	.0	6.4	.0
Nov	43.1	28.0	35.6	75+	1950	1	42.4	1999	-7	1976	29	27.7	1995	884	0	.0	.0	8.5	4.1	20.5	.1
Dec	30.4	16.1	23.3	67	2001	6	31.4	1982	-20+	1983	24	12.3	1983	1294	0	.0	.0	1.1	16.0	29.1	4.1
Ann	54.5	35.9	45.2	107	Jul 1936	14	74.9	Jul 1983	-29+	Jan 1982	10	4.9	Jan 1977	7661	488	.1	7.6	213.7	62.8	154.0	17.2

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

086-A

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1910-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: PLYMOUTH, WI

COOP ID: 476678

Climate Division: WI 6

NWS Call Sign:

Elevation: 834 Feet

Lat: 43°44N

Lon: 87°58W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.40	1.31	1.97	1938	24	3.19	1999	.00	1981	7.6	3.8	.7	.1	.26	.45	.69	.88	1.07	1.26	1.47	1.72	2.04	2.55	3.02
Feb	1.25	.99	2.62	1922	22	4.21	1971	.06	1982	6.3	3.3	.8	.1	.13	.23	.40	.57	.76	.97	1.21	1.52	1.94	2.63	3.30
Mar	2.42	2.16	3.16	1998	31	6.01	1977	.05	1978	8.2	5.2	1.5	.4	.31	.51	.85	1.19	1.54	1.94	2.39	2.96	3.72	4.97	6.18
Apr	3.47	3.45	2.80	1955	24	7.36	1993	.81	1997	10.8	6.8	2.2	.6	1.38	1.70	2.15	2.53	2.88	3.25	3.64	4.09	4.66	5.53	6.33
May	3.67	3.16	4.94	1989	30	8.00	1973	.80	1988	10.7	7.0	2.1	.7	1.08	1.43	1.95	2.40	2.84	3.30	3.81	4.40	5.18	6.38	7.50
Jun	3.93	3.52	3.22	1991	15	8.33	1997	.77	1988	10.5	7.2	2.6	.8	1.12	1.49	2.05	2.54	3.02	3.52	4.08	4.73	5.57	6.90	8.14
Jul	3.94	3.89	3.74	1985	25	7.19	1991	.73	1998	10.5	6.8	2.5	.9	1.29	1.66	2.21	2.68	3.13	3.59	4.10	4.70	5.46	6.65	7.75
Aug	4.55	4.45	5.21	1998	6	7.91	1980	1.02	1976	10.5	7.2	3.0	1.0	1.64	2.07	2.69	3.20	3.70	4.20	4.75	5.39	6.21	7.47	8.62
Sep	4.02	4.17	6.12	1986	11	13.67	1986	.04	1979	9.7	6.6	2.4	1.1	.46	.77	1.33	1.89	2.49	3.16	3.94	4.91	6.23	8.40	10.52
Oct	2.93	2.71	2.49	1984	19	6.88	1991	.37	1975	9.9	6.4	1.8	.5	.74	1.01	1.44	1.81	2.19	2.58	3.02	3.54	4.22	5.29	6.30
Nov	2.85	2.41	2.26	1985	1	8.78	1985	.30	1976	9.4	6.1	2.0	.5	.46	.70	1.12	1.51	1.92	2.36	2.87	3.48	4.31	5.65	6.94
Dec	1.87	1.77	1.85	1959	28	4.98+	1987	.17	1993	7.8	4.5	.9	.3	.38	.55	.83	1.08	1.33	1.60	1.90	2.27	2.76	3.53	4.27
Ann	36.30	35.85	6.12	Sep 1986	11	13.67	Sep 1986	.00	Jan 1981	111.9	70.9	22.5	7.0	25.79	27.82	30.42	32.40	34.16	35.86	37.61	39.55	41.90	45.31	48.26

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1910-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: PLYMOUTH, WI

COOP ID: 476678

Climate Division: WI 6

NWS Call Sign:

Elevation: 834 Feet

Lat: 43°44N

Lon: 87°58W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	12.1	12.0	7	6	12.0	1982	4	26.7	1985	28	1979	24	21	1979	7.0	4.3	1.7	.9	.1	27.1	22.3	16.5	7.3
Feb	9.8	9.8	8	5	12.0	1974	6	22.9	1983	25	1979	21	23	1979	4.5	2.7	1.1	.4	.1	22.7	18.4	12.8	6.2
Mar	10.6	9.2	3	1	18.0	1971	19	25.1	1989	21	1979	1	10	1989	4.7	3.0	1.3	.6	.1	13.0	9.2	7.0	3.4
Apr	3.3	.8	#	#	14.0	1973	9	16.3	1973	14	1973	9	2	1973	1.6	1.0	.4	.2	@	1.8	1.0	.4	.1
May	.2	.0	#	0	3.5	1994	1	3.5	1994	3	1990	10	#	1990	.1	.1	.1	.0	.0	@	@	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.2	.0	#	0	1.0	1989	20	1.6	1987	#+	2000	8	#+	2000	.2	.1	.0	.0	.0	.0	.0	.0	.0
Nov	5.7	3.1	#	#	10.5	1995	28	19.5	1971	12	1977	28	2	1985	2.8	1.6	.7	.3	@	3.4	1.6	.9	.2
Dec	14.6	14.6	3	2	14.5	1971	30	34.4	2000	18	1978	31	11	1985	6.7	4.2	1.5	.6	.1	18.2	14.7	9.1	2.8
Ann	56.5	49.5	N/A	N/A	18.0	Mar 1971	19	34.4	Dec 2000	28	Jan 1979	24	23	Feb 1979	27.6	17.0	6.8	3.0	.4	86.2	67.2	46.7	20.0

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: PLYMOUTH, WI

COOP ID: 476678

Climate Division: WI 6

NWS Call Sign:

Elevation: 834 Feet

Lat: 43° 44N

Lon: 87° 58W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/09	6/03	5/30	5/27	5/23	5/20	5/16	5/12	5/06
32	5/23	5/18	5/14	5/11	5/08	5/05	5/02	4/28	4/23
28	5/11	5/05	5/01	4/28	4/25	4/22	4/19	4/15	4/09
24	4/25	4/21	4/17	4/15	4/12	4/09	4/07	4/03	3/30
20	4/15	4/11	4/08	4/06	4/03	4/01	3/30	3/27	3/23
16	4/07	4/02	3/29	3/26	3/24	3/21	3/18	3/14	3/10
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/18	9/22	9/24	9/27	9/29	10/01	10/04	10/06	10/10
32	9/24	9/28	9/30	10/03	10/05	10/07	10/09	10/12	10/16
28	9/29	10/05	10/10	10/14	10/18	10/21	10/25	10/30	11/05
24	10/18	10/23	10/26	10/29	11/01	11/04	11/07	11/10	11/15
20	10/25	10/31	11/04	11/07	11/10	11/14	11/17	11/21	11/27
16	11/05	11/11	11/15	11/18	11/22	11/25	11/28	12/02	12/08
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	143	138	134	131	128	125	122	118	113
32	166	160	156	152	149	146	142	138	132
28	201	192	185	180	175	170	164	158	149
24	220	214	210	206	202	199	195	190	184
20	242	234	229	225	220	216	212	206	199
16	268	259	253	247	242	237	232	225	217

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: PLYMOUTH, WI

COOP ID: 476678

Climate Division: WI 6 NWS Call Sign: Elevation: 834 Feet Lat: 43°44N Lon: 87°58W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1482	1219	1032	633	310	81	17	37	172	500	884	1294	7661
60	1327	1079	877	486	198	29	1	8	77	351	734	1139	6306
57	1234	995	784	401	144	13	0	2	41	270	644	1046	5574
55	1172	939	722	346	113	8	0	0	24	221	584	984	5113
50	1017	799	569	224	54	1	0	0	4	120	440	829	4057
32	492	335	136	10	0	0	0	0	0	2	78	343	1396

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	33	40	127	368	742	1006	1196	1132	843	526	185	72	6270
55	0	0	0	14	142	324	483	419	178	32	0	0	1592
57	0	0	0	8	111	270	421	359	134	19	0	0	1322
60	0	0	0	3	73	195	329	272	80	8	0	0	960
65	0	0	0	0	29	97	190	146	25	1	0	0	488
70	0	0	0	0	10	34	87	61	4	0	0	0	196

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	3	46	197	513	785	964	907	635	310	67	6	0	3	49	246	759	1544	2508	3415	4050	4360	4427	4433
45	0	0	20	109	365	635	809	752	485	192	28	1	0	0	20	129	494	1129	1938	2690	3175	3367	3395	3396
50	0	0	8	53	236	486	654	597	344	100	9	0	0	0	8	61	297	783	1437	2034	2378	2478	2487	2487
55	0	0	3	26	134	342	499	442	214	43	1	0	0	0	3	29	163	505	1004	1446	1660	1703	1704	1704
60	0	0	0	9	68	213	345	293	118	12	0	0	0	0	0	9	77	290	635	928	1046	1058	1058	1058
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	28	120	307	493	642	595	384	166	31	1	0	0	28	148	455	948	1590	2185	2569	2735	2766	2767

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: PORTAGE, WI

COOP ID: 476718

Climate Division: WI 8

NWS Call Sign:

Elevation: 775 Feet Lat: 43°32N Lon: 89°26W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	24.9	5.5	15.2	55	1973	26	27.9	1990	-35	1963	15	2.4	1977	1545	0	.0	.0	.4	21.3	30.7	10.5
Feb	30.5	10.6	20.6	63	1984	22	33.0	1998	-30+	1996	3	8.6	1979	1245	0	.0	.0	1.7	14.3	26.7	6.4
Mar	42.0	22.0	32.0	83	1986	30	41.2	2000	-25	1962	1	23.9	1975	1022	0	.0	.0	8.1	5.0	24.8	1.2
Apr	56.4	34.0	45.2	94	1952	28	52.8	1985	5	1982	7	38.1	1975	595	1	.0	.1	22.1	.3	11.7	.0
May	69.1	45.0	57.1	95	1952	1	63.1	1998	20	1966	10	50.2	1983	283	35	.0	.2	30.4	.0	2.6	.0
Jun	78.5	54.6	66.6	101+	1988	22	72.1	1987	29	1972	10	60.4	1982	67	113	.1	2.9	30.0	.0	.1	.0
Jul	82.2	59.0	70.6	102+	1995	14	75.8	1987	37	1971	31	66.2	1992	17	191	.1	5.4	31.0	.0	.0	.0
Aug	79.7	56.6	68.2	103	1988	2	75.3	1995	33+	1967	31	64.4	1977	54	152	.1	2.6	31.0	.0	.0	.0
Sep	71.5	47.1	59.3	98+	1953	2	65.0	1998	17	1974	22	53.6	1974	200	29	.0	.6	29.9	.0	1.5	.0
Oct	59.8	36.3	48.1	93	1963	6	54.6	1971	11	1976	27	42.6	1988	527	1	.0	.0	26.3	.0	9.4	.0
Nov	43.4	25.2	34.3	76+	1999	9	43.2	1999	-10	1976	29	26.5	1976	922	0	.0	.0	10.0	4.3	21.9	.3
Dec	30.0	12.9	21.5	65	1962	2	29.7	1998	-24	1983	24	8.8	1985	1350	0	.0	.0	1.2	15.9	29.5	5.5
Ann	55.7	34.1	44.9	103	Aug 1988	2	75.8	Jul 1987	-35	Jan 1963	15	2.4	Jan 1977	7827	522	.3	11.8	222.1	61.1	158.9	23.9

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

087-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: PORTAGE, WI

COOP ID: 476718

Climate Division: WI 8

NWS Call Sign:

Elevation: 775 Feet

Lat: 43°32N

Lon: 89°26W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.26	1.04	1.32	1967	24	3.21	1999	.08	1981	9.0	4.3	.4	@	.25	.37	.55	.72	.89	1.08	1.29	1.54	1.87	2.40	2.90
Feb	1.22	1.12	1.67	1971	19	3.74	1971	.04	1987	7.1	3.3	.6	.1	.13	.22	.39	.56	.74	.94	1.19	1.49	1.90	2.58	3.25
Mar	2.25	2.17	3.55	1998	31	5.87	1998	.23	1978	9.0	5.1	1.4	.3	.40	.60	.93	1.24	1.55	1.89	2.28	2.74	3.37	4.37	5.33
Apr	3.50	3.40	3.00	1999	4	7.88	1999	.38	1989	11.4	6.9	2.2	.6	1.18	1.51	1.99	2.40	2.80	3.20	3.65	4.16	4.83	5.86	6.81
May	3.55	3.38	3.71	2000	18	7.99	2000	.58	1981	11.3	6.7	2.3	.8	1.02	1.36	1.87	2.31	2.74	3.19	3.69	4.27	5.03	6.22	7.33
Jun	4.17	3.81	3.33	1996	17	8.71	1996	.83	1988	10.4	7.1	2.7	1.3	1.11	1.51	2.11	2.64	3.16	3.71	4.31	5.03	5.97	7.44	8.82
Jul	4.45	4.00	5.28	1993	18	13.43	1993	1.56	1998	10.5	6.6	3.3	1.1	1.36	1.78	2.41	2.95	3.48	4.03	4.63	5.33	6.25	7.67	8.99
Aug	4.33	3.64	6.29	1980	7	16.09	1980	1.22	1996	11.0	7.0	2.9	1.1	1.11	1.52	2.15	2.70	3.25	3.83	4.47	5.23	6.23	7.80	9.28
Sep	3.54	2.76	4.02	1961	13	10.05	1986	.62	1979	10.4	6.5	2.3	.7	.52	.82	1.33	1.82	2.33	2.89	3.54	4.33	5.39	7.12	8.78
Oct	2.40	2.00	2.64	1984	19	6.30	1984	.30	1975	9.8	5.3	1.7	.3	.68	.90	1.25	1.55	1.84	2.15	2.49	2.89	3.41	4.22	4.98
Nov	2.45	2.28	2.25	1956	15	6.07	1985	.04	1976	9.8	5.5	1.6	.4	.38	.59	.95	1.29	1.64	2.02	2.45	2.99	3.71	4.87	5.98
Dec	1.41	1.35	1.42	1967	7	2.80	1992	.26	1976	9.6	4.1	.6	@	.34	.48	.68	.86	1.04	1.23	1.45	1.70	2.03	2.56	3.05
Ann	34.53	34.99	6.29	Aug 1980	7	16.09	Aug 1980	.04+	Feb 1987	119.3	68.4	22.0	6.7	25.76	27.49	29.69	31.35	32.81	34.22	35.67	37.26	39.18	41.96	44.35

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

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Complete documentation available from:

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Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: PORTAGE, WI

COOP ID: 476718

Climate Division: WI 8

NWS Call Sign:

Elevation: 775 Feet

Lat: 43°32N

Lon: 89°26W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	10.3	8.7	6	5	12.5	1999	3	28.0	1979	27	1979	24	20	1979	6.0	4.4	1.3	.4	.1	18.5	12.8	7.7	.3
Feb	8.7	8.7	6	4	8.0	1983	3	19.3	1994	25	1979	12	22	1979	4.3	3.5	.7	.3	.0	18.1	11.0	4.6	.6
Mar	5.4	4.2	2	1	10.0	1971	18	17.9	1997	16	1986	2	9	1979	3.0	2.1	.8	.3	.1	6.9	3.9	2.6	.2
Apr	2.2	.0	#	#	6.0	1982	6	9.0	1973	9	1973	10	1	1993	.8	.6	.4	.2	.0	.9	.6	.4	.0
May	#	.0	#	0	#	1994	1	#+	1994	#	1994	1	#	1994	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.3	.0	#	0	4.0	1997	27	4.0	1997	4	1997	27	#+	1997	.1	.1	@	.0	.0	.1	@	.0	.0
Nov	2.9	2.0	#	#	7.5	1995	28	9.2	1971	10	1985	11	2	1995	2.1	1.6	.3	.1	.0	3.1	.9	.3	.0
Dec	9.3	6.0	3	2	12.0	1985	2	34.0	2000	19	2000	24	13	1985	5.1	3.4	1.1	.3	@	12.6	6.0	2.7	.8
Ann	39.1	29.6	N/A	N/A	12.5	Jan 1999	3	34.0	Dec 2000	27	Jan 1979	24	22	Feb 1979	21.4	15.7	4.6	1.6	.2	60.2	35.2	18.3	1.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: PORTAGE, WI

COOP ID: 476718

Climate Division: WI 8

NWS Call Sign:

Elevation: 775 Feet

Lat: 43°32N

Lon: 89°26W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/13	6/06	5/31	5/26	5/22	5/18	5/13	5/07	4/30
32	5/26	5/19	5/14	5/10	5/06	5/03	4/28	4/24	4/17
28	5/14	5/07	5/01	4/27	4/23	4/18	4/14	4/09	4/01
24	5/01	4/26	4/22	4/18	4/15	4/12	4/09	4/05	3/30
20	4/18	4/12	4/09	4/05	4/02	3/30	3/27	3/23	3/18
16	4/11	4/05	4/01	3/29	3/25	3/22	3/18	3/14	3/09
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/03	9/09	9/13	9/17	9/20	9/24	9/27	10/01	10/07
32	9/15	9/21	9/24	9/27	9/30	10/03	10/06	10/10	10/15
28	9/21	9/28	10/03	10/07	10/11	10/15	10/19	10/24	10/31
24	10/05	10/12	10/17	10/21	10/24	10/28	11/01	11/06	11/13
20	10/15	10/22	10/27	10/31	11/04	11/08	11/12	11/18	11/25
16	10/24	10/30	11/04	11/08	11/12	11/16	11/20	11/25	12/02
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	153	142	134	127	120	114	107	99	88
32	173	164	157	151	146	141	135	129	119
28	206	194	185	178	171	164	156	148	136
24	223	212	204	198	192	185	179	171	160
20	245	235	227	221	215	209	203	195	185
16	261	251	244	237	231	225	219	212	201

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: PORTAGE, WI

COOP ID: 476718

Climate Division: WI 8 NWS Call Sign: Elevation: 775 Feet Lat: 43°32N Lon: 89°26W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1545	1245	1022	595	283	67	17	54	200	527	922	1350	7827
60	1390	1105	867	451	177	22	2	16	102	379	772	1195	6478
57	1297	1021	774	369	126	9	0	7	61	297	682	1102	5745
55	1235	965	713	318	97	5	0	3	40	248	623	1040	5287
50	1080	825	566	205	44	1	0	0	10	143	480	886	4240
32	554	375	152	11	0	0	0	0	0	4	105	396	1597

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	32	54	153	407	775	1037	1197	1121	818	501	173	69	6337
55	0	0	0	24	159	352	484	411	168	32	1	0	1631
57	0	0	0	15	126	296	422	352	129	20	0	0	1360
60	0	0	0	7	84	219	330	269	80	8	0	0	997
65	0	0	0	1	35	113	191	152	29	1	0	0	522
70	0	0	0	0	12	43	89	70	6	0	0	0	220

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	4	59	243	569	824	977	908	631	311	69	6	0	4	63	306	875	1699	2676	3584	4215	4526	4595	4601
45	0	0	30	149	419	674	822	753	485	191	28	2	0	0	30	179	598	1272	2094	2847	3332	3523	3551	3553
50	0	0	14	81	282	525	667	598	339	102	8	0	0	0	14	95	377	902	1569	2167	2506	2608	2616	2616
55	0	0	4	38	170	377	512	443	216	46	2	0	0	0	4	42	212	589	1101	1544	1760	1806	1808	1808
60	0	0	1	17	88	243	357	293	119	16	0	0	0	0	1	18	106	349	706	999	1118	1134	1134	1134
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	41	160	355	538	651	598	394	193	41	2	0	0	41	201	556	1094	1745	2343	2737	2930	2971	2973

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: PORT WASHINGTON, WI

COOP ID: 476764

Climate Division: WI 9

NWS Call Sign:

Elevation: 600 Feet Lat: 43°23N Lon: 87°52W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max ≥ 100	Max ≥ 90	Max ≥ 50	Max ≤ 32	Min ≤ 32	Min ≤ 0
Jan	27.4	13.2	20.3	57	1973	25	30.5	1989	-26	1963	15	7.6	1977	1386	0	.0	.0	.4	18.9	29.3	6.7
Feb	31.4	17.5	24.5	61+	1984	23	33.1	1984	-29	1996	3	14.6	1979	1135	0	.0	.0	.7	13.3	25.8	3.0
Mar	40.2	27.6	33.9	79	2000	7	40.2	1973	-15	1962	1	26.9	1996	963	0	.0	.0	4.7	5.6	23.4	.2
Apr	50.0	37.5	43.8	92	1980	22	49.1	1985	11+	1982	7	39.3	1996	638	0	.0	@	14.5	.4	9.6	.0
May	61.6	47.2	54.4	90+	1998	18	59.6	1985	23	1966	10	48.4	1997	341	13	.0	.1	27.8	.0	.6	.0
Jun	71.8	56.5	64.2	102	1988	21	71.2	1988	37+	2001	6	59.4	1992	109	83	.1	1.2	29.9	.0	.0	.0
Jul	78.0	63.5	70.8	106	1995	13	75.7	1988	40	1965	6	65.9	1996	22	200	.1	3.0	31.0	.0	.0	.0
Aug	76.8	63.5	70.2	103	1988	17	75.0	1983	42+	1986	27	65.9	1992	24	184	.1	1.8	31.0	.0	.0	.0
Sep	69.6	55.3	62.5	96	1976	8	67.6	1971	28	1995	23	57.5	1993	125	49	.0	.4	30.0	.0	.1	.0
Oct	58.2	44.1	51.2	89	1963	6	58.8	1971	16	1988	29	46.4	1988	432	3	.0	.0	26.1	.0	3.9	.0
Nov	44.5	31.5	38.0	76	1978	3	44.0	1975	-10	1976	29	26.2	1995	811	0	.0	.0	8.9	3.2	18.1	.2
Dec	32.6	19.3	26.0	68	2001	6	33.5	1982	-20	1983	24	14.3	1989	1211	0	.0	.0	1.5	12.7	27.6	3.4
Ann	53.5	39.7	46.7	106	Jul 1995	13	75.7	Jul 1988	-29	Feb 1996	3	7.6	Jan 1977	7197	532	.3	6.5	206.5	54.1	138.4	13.5

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

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Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: PORT WASHINGTON, WI

COOP ID: 476764

Climate Division: WI 9

NWS Call Sign:

Elevation: 600 Feet Lat: 43°23N

Lon: 87°52W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.47	1.42	2.10	2001	29	5.50	1999	.12	1981	7.9	4.0	.9	.1	.26	.39	.61	.81	1.01	1.24	1.49	1.80	2.21	2.87	3.50
Feb	1.18	1.04	1.60	1997	21	3.26+	1994	.00	1987	6.1	3.2	.5	.2	.04	.12	.28	.45	.64	.85	1.11	1.44	1.89	2.66	3.41
Mar	1.90	1.54	1.75	1984	21	4.91	1998	.20	1981	7.0	4.9	1.4	.3	.25	.40	.67	.94	1.21	1.52	1.88	2.32	2.92	3.89	4.84
Apr	3.15	2.94	3.25	1955	24	5.81	1984	.41	1989	8.8	6.0	2.2	.7	1.08	1.38	1.81	2.18	2.53	2.90	3.29	3.75	4.35	5.27	6.11
May	2.93	2.67	3.12	1978	13	8.01	2000	.64	1975	8.6	6.0	2.0	.5	.72	.99	1.42	1.80	2.17	2.57	3.01	3.54	4.23	5.32	6.34
Jun	3.58	3.10	9.87	1996	18	18.33	1996	.91	1976	9.3	6.1	2.3	.7	.82	1.16	1.68	2.15	2.62	3.12	3.68	4.34	5.22	6.61	7.91
Jul	3.81	3.49	4.15	1981	12	8.88	1981	1.09	1973	8.5	6.6	2.4	.9	1.25	1.61	2.14	2.59	3.03	3.48	3.97	4.55	5.29	6.44	7.51
Aug	4.21	4.26	2.80	1989	4	9.01	1989	.99	1976	8.7	6.6	2.8	1.4	1.57	1.96	2.53	3.00	3.45	3.91	4.41	4.99	5.72	6.86	7.89
Sep	3.48	2.96	3.50	2000	2	14.13	1986	.01	1979	8.4	5.9	2.4	1.0	.30	.54	1.00	1.48	2.01	2.62	3.34	4.24	5.49	7.57	9.62
Oct	2.30	1.88	2.88	1954	3	6.41	1985	.12	1975	7.7	4.9	1.4	.6	.42	.63	.96	1.28	1.60	1.94	2.33	2.81	3.44	4.45	5.42
Nov	2.25	1.91	2.00	1985	1	6.52	1985	.40	1996	7.9	5.0	1.3	.5	.47	.67	1.00	1.30	1.61	1.93	2.29	2.73	3.31	4.24	5.11
Dec	1.82	1.71	2.50	1990	3	4.53	1971	.21	1986	8.1	3.9	1.1	.4	.25	.40	.66	.91	1.17	1.47	1.80	2.22	2.78	3.70	4.58
Ann	32.08	31.01	9.87	Jun 1996	18	18.33	Jun 1996	.00	Feb 1987	97.0	63.1	20.7	7.3	24.03	25.62	27.64	29.16	30.51	31.80	33.13	34.59	36.35	38.90	41.09

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: PORT WASHINGTON, WI

COOP ID: 476764

Climate Division: WI 9

NWS Call Sign:

Elevation: 600 Feet

Lat: 43°23N

Lon: 87°52W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	10.9	10.8	5	4	11.0	1999	2	28.4	1979	31	1979	25	19	1979	5.6	3.5	1.3	.6	.1	19.1	12.9	9.4	3.3
Feb	8.0	6.0	4	2	8.5	1974	22	32.8	1974	28	1979	14	23	1979	3.9	2.5	.9	.5	.0	15.3	9.4	5.6	2.4
Mar	5.7	4.3	1	1	7.5	1971	18	14.8	1971	12	1994	2	5	1979	2.8	2.0	.7	.2	.0	6.3	2.9	1.2	.1
Apr	1.6	.0	#	#	9.2	1973	9	13.6	1973	9	1982	5	1	1993	.6	.4	.2	.1	.0	.8	.5	.3	.0
May	#	.0	0	0	#	1990	10	#+	1990	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.2	.0	#	0	3.0	1976	26	3.0	1976	2	1989	19	#+	2000	.1	.1	@	.0	.0	@	.0	.0	.0
Nov	1.4	.3	#	#	5.5	1977	25	10.0	1977	9	1977	29	2	1995	1.2	.6	.2	@	.0	1.1	.6	.3	.0
Dec	6.8	5.6	2	2	11.0	2000	18	23.5	1978	33	2000	30	14	2000	4.4	2.5	.7	.4	.1	10.4	5.1	2.1	.6
Ann	34.6	27.0	N/A	N/A	11.0+	Dec 2000	18	32.8	Feb 1974	33	Dec 2000	30	23	Feb 1979	18.6	11.6	4.0	1.8	.2	53.0	31.4	18.9	6.4

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: PORT WASHINGTON, WI

COOP ID: 476764

Climate Division: WI 9

NWS Call Sign:

Elevation: 600 Feet

Lat: 43°23N

Lon: 87°52W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/24	5/20	5/17	5/14	5/11	5/09	5/06	5/03	4/28
32	5/10	5/06	5/02	4/29	4/27	4/24	4/21	4/18	4/13
28	4/28	4/23	4/20	4/17	4/14	4/11	4/08	4/05	3/31
24	4/17	4/13	4/10	4/07	4/05	4/02	3/30	3/27	3/23
20	4/07	4/03	3/30	3/28	3/25	3/23	3/20	3/16	3/12
16	4/01	3/26	3/22	3/18	3/15	3/12	3/08	3/04	2/27
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/24	9/28	10/01	10/04	10/07	10/09	10/12	10/15	10/19
32	9/29	10/05	10/10	10/14	10/17	10/21	10/24	10/29	11/04
28	10/09	10/15	10/20	10/23	10/27	10/30	11/03	11/07	11/14
24	10/25	10/30	11/02	11/05	11/08	11/11	11/14	11/17	11/22
20	11/02	11/08	11/12	11/16	11/20	11/23	11/27	12/01	12/07
16	11/07	11/14	11/18	11/22	11/26	11/29	12/03	12/08	12/14
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	164	159	155	151	148	144	141	137	131
32	198	189	183	178	173	168	163	156	148
28	216	209	204	199	195	191	187	182	174
24	235	228	224	220	217	213	209	205	199
20	264	256	249	244	239	234	228	222	213
16	281	272	266	260	255	250	244	238	229

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States**
No. 20
1971-2000

Station: PORT WASHINGTON, WI

COOP ID: 476764

Climate Division: WI 9 NWS Call Sign: Elevation: 600 Feet Lat: 43°23N Lon: 87°52W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1386	1135	963	638	341	109	22	24	125	432	811	1211	7197
60	1231	995	808	488	214	46	4	4	51	291	661	1056	5849
57	1138	911	715	400	152	23	0	0	25	217	573	963	5117
55	1076	855	653	342	117	14	0	0	13	173	516	901	4660
50	921	715	499	211	51	3	0	0	2	88	379	753	3622
32	411	268	87	4	0	0	0	0	0	1	63	294	1128

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	48	57	147	356	695	963	1201	1183	914	594	242	106	6506
55	0	0	0	5	99	287	488	470	238	54	4	0	1645
57	0	0	0	2	72	236	426	409	189	35	2	0	1371
60	0	0	0	0	42	169	337	320	125	16	0	0	1009
65	0	0	0	0	13	83	200	184	49	3	0	0	532
70	0	0	0	0	3	29	98	87	12	0	0	0	229

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	2	40	144	422	699	925	899	643	327	73	5	0	2	42	186	608	1307	2232	3131	3774	4101	4174	4179
45	0	0	18	68	276	549	770	744	493	197	34	2	0	0	18	86	362	911	1681	2425	2918	3115	3149	3151
50	0	0	5	25	157	402	615	589	349	96	9	0	0	0	5	30	187	589	1204	1793	2142	2238	2247	2247
55	0	0	1	10	76	262	460	434	215	39	0	0	0	0	1	11	87	349	809	1243	1458	1497	1497	1497
60	0	0	0	0	31	148	307	281	112	11	0	0	0	0	0	0	31	179	486	767	879	890	890	890
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	26	69	208	409	600	580	370	153	30	1	0	0	26	95	303	712	1312	1892	2262	2415	2445	2446

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: PORT WING, WI

COOP ID: 476772

Climate Division: WI 1

NWS Call Sign:

Elevation: 651 Feet Lat: 46°47N

Lon: 91°23W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	18.8	.4	9.6	50	1981	25	21.1	1990	-42	1977	9	-1.7	1977	1718	0	.0	.0	@	26.7	31.0	14.6
Feb	25.5	6.2	15.9	57	1981	17	30.6	1998	-40	1967	12	5.3	1979	1375	0	.0	.0	.8	19.4	27.7	9.2
Mar	35.6	17.6	26.6	70	1967	30	35.3	2000	-27	1962	1	20.1	1996	1190	0	.0	.0	3.2	10.5	29.0	3.7
Apr	48.8	29.2	39.0	89	1952	27	46.0	1987	-4	1971	4	30.0	1975	780	0	.0	.0	14.5	1.2	20.8	.1
May	63.1	38.4	50.8	95	1969	28	55.8	1998	15	1978	1	45.3	1979	443	2	.0	.1	28.9	.0	5.6	.0
Jun	72.5	47.4	60.0	94	2001	26	65.3	1988	29+	1995	9	55.6	1982	174	23	.0	.3	29.9	.0	2.3	.0
Jul	77.7	54.5	66.1	97	1980	10	72.0	1983	36+	1969	6	59.5	1992	81	117	.0	1.7	31.0	.0	.7	.0
Aug	76.0	54.4	65.2	98	1961	30	71.6	1983	32	1977	24	59.8	1977	89	95	.0	1.1	31.0	.0	@	.0
Sep	66.0	46.0	56.0	94	1971	2	61.0	1998	26+	1976	24	50.4	1974	280	9	.0	.3	29.3	.0	1.3	.0
Oct	54.1	35.9	45.0	90	1961	6	51.3	1971	8	1976	27	38.9	1976	619	0	.0	.0	21.1	.1	10.7	.0
Nov	37.1	23.2	30.2	74	1978	3	39.0	1999	-12	1976	30	23.0	1995	1047	0	.0	.0	4.3	9.7	25.6	.5
Dec	23.4	7.6	15.5	61	1962	1	23.4	1999	-30	1976	30	4.3	1976	1534	0	.0	.0	.2	23.4	30.7	8.1
Ann	49.9	30.1	40.0	98	Aug 1961	30	72.0	Jul 1983	-42	Jan 1977	9	-1.7	Jan 1977	9330	246	.0	3.5	194.2	91.0	185.4	36.2

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

089-A

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

**Climatography
of the United States
No. 20
1971-2000**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: PORT WING, WI

COOP ID: 476772

Climate Division: WI 1

NWS Call Sign:

Elevation: 651 Feet Lat: 46°47N

Lon: 91°23W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.15	.99	.89	1982	23	3.17	1996	.20	1981	10.2	3.9	.2	@	.33	.44	.61	.75	.89	1.03	1.19	1.38	1.63	2.01	2.36
Feb	.79	.59	1.13	1998	26	2.62	1981	.10	1993	7.3	2.7	.3	.1	.13	.20	.31	.42	.53	.65	.79	.96	1.18	1.55	1.89
Mar	1.91	1.79	2.40	1977	12	4.21	1977	.31	1999	8.6	4.1	1.2	.3	.51	.69	.96	1.21	1.45	1.70	1.98	2.31	2.74	3.42	4.06
Apr	2.06	2.05	3.23	2001	23	4.46	1981	.43	1988	8.7	4.6	1.5	.3	.60	.80	1.09	1.35	1.59	1.85	2.14	2.48	2.91	3.60	4.23
May	2.72	2.68	2.97	1951	26	5.57	1985	.39	1976	10.8	6.5	2.0	.4	.87	1.13	1.51	1.84	2.15	2.48	2.84	3.26	3.80	4.64	5.42
Jun	3.56	3.65	2.70	1954	16	7.54	1984	1.36	1995	13.1	8.3	2.3	.7	1.56	1.88	2.32	2.69	3.02	3.37	3.73	4.15	4.68	5.49	6.21
Jul	4.13	3.58	4.28	1999	5	10.39	1982	1.29	1981	11.0	7.7	3.1	1.3	1.47	1.86	2.42	2.89	3.35	3.81	4.32	4.91	5.66	6.82	7.89
Aug	3.60	3.32	4.04	1978	23	7.22	1978	1.10	1997	11.5	7.5	2.5	.7	1.38	1.71	2.19	2.59	2.97	3.35	3.77	4.25	4.86	5.81	6.67
Sep	3.46	2.87	5.80	1985	3	11.04	1985	.41	1997	11.8	6.9	2.3	.9	.72	1.04	1.55	2.01	2.48	2.97	3.54	4.21	5.10	6.52	7.87
Oct	2.38	2.25	3.32	1949	8	5.49	1995	.36	1976	9.9	5.6	1.2	.3	.50	.72	1.07	1.39	1.71	2.05	2.43	2.90	3.51	4.49	5.41
Nov	1.75	1.47	1.61	1960	1	4.42	1983	.27	1997	9.1	5.0	1.3	.3	.34	.50	.76	.99	1.23	1.49	1.78	2.14	2.60	3.35	4.07
Dec	1.14	1.22	1.20	1982	25	3.16	1998	.13+	1997	12.2	2.8	.3	@	.19	.29	.46	.62	.78	.95	1.15	1.39	1.72	2.24	2.74
Ann	28.65	29.32	5.80	Sep 1985	3	11.04	Sep 1985	.10	Feb 1993	124.2	65.6	18.2	5.3	19.38	21.15	23.42	25.16	26.72	28.23	29.80	31.54	33.65	36.74	39.43

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

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Climatography of the United States

No. 20 1971-2000

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Station: PORT WING, WI

COOP ID: 476772

Climate Division: WI 1

NWS Call Sign:

Elevation: 651 Feet

Lat: 46°47N

Lon: 91°23W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	18.9	17.0	15	14	9.0	1973	22	30.8	1971	54	1997	31	39	1997	9.4	5.4	2.3	.8	.0	-9.9	-9.9	-9.9	-9.9
Feb	10.0	9.0	17	16	9.0	2000	16	18.0	1972	57	1997	16	54	1997	5.2	3.0	.9	.6	.0	-9.9	-9.9	-9.9	-9.9
Mar	8.3	8.2	13	10	20.0	1985	5	21.0	1995	57	1997	16	56	1997	3.3	2.3	.9	.5	.1	-9.9	-9.9	-9.9	-9.9
Apr	3.4	2.1	2	#	12.0	1984	30	12.0	1984	27	1972	9	12	1972	1.2	.9	.4	.3	.1	-9.9	-9.9	-9.9	-9.9
May	.1	.0	0	0	1.3	1984	8	1.3	1984	11	1984	1	1	1984	.1	.1	.0	.0	.0	.3	.2	.2	.1
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	0	0	#	1995	22	#	1995	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	1.0	.0	#	0	7.0	1982	7	8.0	1982	7	1982	7	#+	1997	.4	.3	.1	.1	.0	.6	.1	.1	.0
Nov	5.2	4.5	1	1	16.0	1994	29	18.0	1983	16	1985	30	3	1985	3.2	1.8	.8	.3	.1	7.8	5.5	2.2	.4
Dec	13.5	13.8	6	4	13.0	1983	15	35.3	1983	35	1983	24	23	1983	7.4	4.9	1.2	.4	.1	-9.9	-9.9	-9.9	-9.9
Ann	60.4	54.6	N/A	N/A	20.0	Mar 1985	5	35.3	Dec 1983	57+	Mar 1997	16	56	Mar 1997	30.2	18.7	6.6	3.0	.4	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

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Climatography of the United States

No. 20

1971-2000

Station: PORT WING, WI

COOP ID: 476772

Climate Division: WI 1

NWS Call Sign:

Elevation: 651 Feet

Lat: 46° 47N

Lon: 91° 23W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/19	7/09	7/02	6/26	6/21	6/15	6/09	6/02	5/23
32	7/05	6/25	6/18	6/11	6/05	5/30	5/24	5/17	5/06
28	6/18	6/07	5/31	5/24	5/18	5/11	5/05	4/27	4/16
24	5/22	5/14	5/08	5/03	4/28	4/24	4/18	4/12	4/04
20	4/23	4/18	4/15	4/12	4/09	4/06	4/03	3/30	3/25
16	4/18	4/13	4/09	4/06	4/03	3/30	3/27	3/23	3/18
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/02	9/07	9/10	9/14	9/17	9/19	9/23	9/26	10/01
32	9/13	9/17	9/21	9/24	9/27	9/29	10/02	10/06	10/10
28	9/28	10/04	10/08	10/12	10/15	10/19	10/23	10/27	11/02
24	10/16	10/20	10/23	10/25	10/28	10/30	11/02	11/05	11/09
20	10/21	10/26	10/30	11/02	11/04	11/07	11/10	11/14	11/18
16	10/29	11/04	11/08	11/12	11/15	11/19	11/22	11/26	12/02
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	117	107	99	93	87	81	75	67	57
32	146	135	126	119	113	106	99	90	79
28	188	175	165	157	150	142	134	125	112
24	210	200	193	187	182	176	170	164	154
20	230	223	218	213	209	205	200	195	187
16	251	242	236	231	226	221	216	210	201

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: PORT WING, WI

COOP ID: 476772

Climate Division: WI 1 NWS Call Sign: Elevation: 651 Feet Lat: 46°47N Lon: 91°23W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1718	1375	1190	780	443	174	81	89	280	619	1047	1534	9330
60	1563	1235	1035	630	301	78	27	30	159	467	897	1379	7801
57	1470	1151	942	543	225	40	12	13	103	379	807	1286	6971
55	1408	1095	880	486	181	23	7	7	73	324	747	1224	6455
50	1253	955	725	350	94	4	0	0	24	202	600	1069	5276
32	708	486	236	44	1	0	0	0	0	9	170	536	2190

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	13	34	69	254	583	839	1058	1029	719	413	114	25	5150
55	0	0	0	6	50	172	352	323	102	14	0	0	1019
57	0	0	0	3	32	129	295	267	72	8	0	0	806
60	0	0	0	1	15	76	217	191	39	2	0	0	541
65	0	0	0	0	2	23	117	95	9	0	0	0	246
70	0	0	0	0	0	4	47	34	1	0	0	0	86

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	11	98	370	566	757	800	503	201	27	0	0	0	11	109	479	1045	1802	2602	3105	3306	3333	3333
45	0	0	1	46	234	419	603	645	356	104	11	0	0	0	1	47	281	700	1303	1948	2304	2408	2419	2419
50	0	0	0	17	124	277	448	490	223	43	1	0	0	0	0	17	141	418	866	1356	1579	1622	1623	1623
55	0	0	0	6	59	155	300	338	116	14	0	0	0	0	0	6	65	220	520	858	974	988	988	988
60	0	0	0	1	22	70	173	198	52	1	0	0	0	0	0	1	23	93	266	464	516	517	517	517
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	7	71	240	369	500	499	284	105	12	0	0	0	7	78	318	687	1187	1686	1970	2075	2087	2087

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: PRAIRIE DU CHIEN, WI

COOP ID: 476827

Climate Division: WI 7

NWS Call Sign:

Elevation: 658 Feet Lat: 43°02N

Lon: 91°09W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	25.4	6.2	15.8	57+	1981	26	27.1	1990	-37+	1963	15	1.8	1977	1525	0	.0	.0	.6	19.3	30.1	9.5
Feb	32.3	11.8	22.1	66	2000	26	33.3	1998	-36	1996	3	9.9	1979	1203	0	.0	.0	2.2	12.2	25.8	5.5
Mar	44.7	23.9	34.3	86	1986	29	41.7	1973	-33	1962	1	25.5	1975	951	0	.0	.0	11.4	3.7	22.8	.9
Apr	59.2	36.5	47.9	96	1980	22	55.0	1977	0	1972	8	41.7	1975	519	4	.0	.2	24.5	.1	9.4	@
May	70.8	47.7	59.3	94	1967	26	66.8	1977	22	1989	6	53.1	1997	228	49	.0	.9	30.8	.0	1.0	.0
Jun	80.6	57.8	69.2	102	1988	21	73.4	1988	37+	1993	1	64.1	1982	28	155	.1	4.1	30.0	.0	.0	.0
Jul	84.4	62.1	73.3	105	1955	30	77.4	1983	43	1971	30	67.5	1992	10	264	.4	8.6	31.0	.0	.0	.0
Aug	81.8	60.1	71.0	104	1988	17	77.1	1983	38	1964	14	65.3	1992	27	212	.4	5.2	31.0	.0	.0	.0
Sep	73.8	50.5	62.2	99	1955	9	67.9	1978	27+	1984	30	56.0	1993	135	48	.0	1.8	29.9	.0	.6	.0
Oct	62.5	39.3	50.9	93	1963	6	58.1	1971	13	1988	30	45.3	1988	440	3	.0	.2	28.3	.0	6.8	.0
Nov	44.6	26.0	35.3	82	1999	10	44.5	1999	-17	1977	26	28.1	1976	891	0	.0	.0	11.5	3.3	19.6	.3
Dec	31.1	13.9	22.5	66	2001	6	31.1	1982	-26	1950	27	10.1	2000	1318	0	.0	.0	1.4	13.9	29.1	4.9
Ann	57.6	36.3	47.0	105	Jul 1955	30	77.4	Jul 1983	-37+	Jan 1963	15	1.8	Jan 1977	7275	735	.9	21.0	232.6	52.5	145.2	21.1

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

090-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: PRAIRIE DU CHIEN, WI

COOP ID: 476827

Climate Division: WI 7

NWS Call Sign:

Elevation: 658 Feet Lat: 43°02N

Lon: 91°09W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.02	.92	.95	1950	26	2.95	1996	.13	1981	6.3	3.5	.3	.0	.28	.38	.53	.66	.78	.91	1.06	1.23	1.45	1.81	2.13
Feb	1.17	1.07	1.66	1986	5	3.27	1971	.04	1995	5.2	3.1	.7	.2	.11	.20	.36	.52	.70	.90	1.13	1.43	1.83	2.51	3.17
Mar	2.02	1.80	2.80	1998	31	4.61	1998	.00	1994	6.9	4.6	1.3	.3	.29	.55	.89	1.18	1.46	1.76	2.09	2.48	3.00	3.83	4.60
Apr	3.61	3.10	2.15	1960	17	6.73	1999	1.61	1982	9.6	7.5	2.7	.6	1.45	1.78	2.25	2.64	3.00	3.38	3.78	4.24	4.83	5.74	6.56
May	3.86	3.71	3.00	1993	2	6.75	1993	.77	1988	10.0	7.7	2.6	.7	1.43	1.79	2.31	2.75	3.16	3.58	4.04	4.57	5.25	6.29	7.25
Jun	4.41	3.62	4.53	1991	15	9.98	1993	.55	1988	9.7	7.1	2.7	1.2	.91	1.31	1.96	2.55	3.14	3.78	4.50	5.37	6.51	8.34	10.07
Jul	3.70	3.53	4.13	1950	16	7.33	1972	.55	1975	8.7	6.6	2.8	1.0	.99	1.34	1.87	2.34	2.80	3.28	3.82	4.46	5.29	6.59	7.81
Aug	4.61	3.78	4.70	1981	2	10.18	1980	.76	1984	9.0	6.7	3.3	1.4	1.32	1.76	2.42	3.00	3.55	4.14	4.78	5.54	6.53	8.07	9.51
Sep	3.05	2.37	3.37	1991	12	7.00	1986	.25	1990	7.2	5.6	2.2	.7	.52	.78	1.23	1.65	2.08	2.54	3.08	3.73	4.59	5.99	7.33
Oct	2.34	2.22	2.23	1997	13	5.63	1984	.00	1975	6.9	4.9	1.6	.4	.57	.91	1.29	1.59	1.88	2.17	2.48	2.84	3.31	4.03	4.70
Nov	2.34	2.20	2.17	1956	15	5.92	1991	.12	1976	7.5	5.3	1.4	.6	.44	.65	1.00	1.31	1.64	1.98	2.38	2.86	3.49	4.50	5.47
Dec	1.30	1.29	1.30	1985	2	2.94	1987	.19	1998	6.3	3.8	.6	@	.26	.38	.57	.74	.92	1.11	1.33	1.58	1.93	2.47	2.99
Ann	33.43	33.11	4.70	Aug 1981	2	10.18	Aug 1980	.00+	Mar 1994	93.3	66.4	22.2	7.1	23.85	25.71	28.09	29.89	31.50	33.05	34.65	36.41	38.56	41.66	44.35

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: PRAIRIE DU CHIEN, WI

COOP ID: 476827

Climate Division: WI 7

NWS Call Sign:

Elevation: 658 Feet

Lat: 43°02N

Lon: 91°09W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	9.7	9.0	5	2	14.0	1971	4	17.8	1978	30	1979	24	21	1979	4.8	4.6	1.7	.6	.1	-9.9	-9.9	-9.9	-9.9
Feb	7.9	8.5	6	4	12.0	1983	3	21.2	1994	21	1979	12	19	1979	3.5	3.2	1.1	.3	@	-9.9	-9.9	-9.9	-9.9
Mar	4.2	3.8	2	#	7.0	1995	7	13.0	1972	12	1975	7	7	1979	1.9	1.7	.7	.2	.0	3.6	1.8	.4	.0
Apr	1.6	.0	#	0	12.0	1973	9	18.0	1973	18	1973	10	2	1973	.7	.6	.2	.1	@	.8	.5	.3	.2
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.2	.0	#	0	4.0	1997	27	4.0	1997	1	1972	18	#	1972	.1	.1	@	.0	.0	.1	.0	.0	.0
Nov	2.6	1.0	#	0	8.0	1991	24	14.0	1977	11	1977	28	2	1977	1.4	1.3	.5	.1	.0	1.8	.9	.3	.1
Dec	8.5	6.0	2	#	12.0	1985	1	25.0	1985	19	2000	30	11	2000	4.3	4.0	1.2	.6	@	-9.9	-9.9	-9.9	-9.9
Ann	34.7	28.3	N/A	N/A	14.0	Jan 1971	4	25.0	Dec 1985	30	Jan 1979	24	21	Jan 1979	16.7	15.5	5.4	1.9	.1	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: PRAIRIE DU CHIEN, WI

COOP ID: 476827

Climate Division: WI 7

NWS Call Sign:

Elevation: 658 Feet

Lat: 43°02N

Lon: 91°09W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/27	5/22	5/19	5/15	5/13	5/10	5/07	5/03	4/28
32	5/15	5/10	5/06	5/04	5/01	4/28	4/25	4/22	4/17
28	5/01	4/26	4/22	4/19	4/16	4/13	4/10	4/06	4/01
24	4/21	4/16	4/13	4/10	4/07	4/05	4/02	3/29	3/25
20	4/13	4/08	4/05	4/02	3/30	3/28	3/25	3/21	3/17
16	4/06	3/31	3/27	3/24	3/21	3/18	3/14	3/10	3/05
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/18	9/21	9/24	9/26	9/28	10/01	10/03	10/06	10/09
32	9/24	9/27	9/30	10/02	10/04	10/06	10/08	10/11	10/15
28	9/30	10/06	10/09	10/13	10/16	10/19	10/22	10/26	10/31
24	10/14	10/19	10/22	10/25	10/28	10/31	11/02	11/06	11/11
20	10/26	10/30	11/03	11/05	11/08	11/10	11/13	11/16	11/21
16	11/04	11/09	11/12	11/15	11/18	11/21	11/24	11/27	12/02
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	156	150	146	142	138	134	131	126	120
32	170	165	161	158	155	153	150	146	141
28	206	198	192	187	182	178	172	167	158
24	223	216	211	207	203	199	195	190	183
20	242	235	230	226	222	218	213	208	201
16	265	257	251	246	241	237	232	226	218

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: PRAIRIE DU CHIEN, WI

COOP ID: 476827

Climate Division: WI 7 NWS Call Sign: Elevation: 658 Feet Lat: 43°02N Lon: 91°09W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1525	1203	951	519	228	28	10	27	135	440	891	1318	7275
60	1370	1063	796	380	134	6	0	6	56	298	741	1163	6013
57	1277	979	703	303	91	2	0	1	28	223	651	1070	5328
55	1215	923	643	256	68	1	0	0	16	180	593	1008	4903
50	1060	785	499	156	28	0	0	0	2	93	454	853	3930
32	545	346	119	5	0	0	0	0	0	1	97	365	1478

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	43	67	191	480	844	1116	1277	1208	904	588	196	70	6984
55	0	0	2	40	199	427	564	495	230	53	2	0	2012
57	0	0	1	27	160	368	502	434	182	35	1	0	1710
60	0	0	0	14	110	282	409	346	120	16	0	0	1297
65	0	0	0	4	49	155	264	212	48	3	0	0	735
70	0	0	0	0	17	63	142	111	13	0	0	0	346

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	8	84	310	649	904	1062	997	719	397	88	7	0	8	92	402	1051	1955	3017	4014	4733	5130	5218	5225
45	0	0	43	194	494	754	907	842	569	261	38	3	0	0	43	237	731	1485	2392	3234	3803	4064	4102	4105
50	0	0	19	110	345	604	752	687	423	156	17	1	0	0	19	129	474	1078	1830	2517	2940	3096	3113	3114
55	0	0	8	54	218	454	597	532	288	80	4	0	0	0	8	62	280	734	1331	1863	2151	2231	2235	2235
60	0	0	2	24	119	309	442	377	176	35	0	0	0	0	2	26	145	454	896	1273	1449	1484	1484	1484
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	56	197	404	599	717	668	459	242	51	2	0	1	57	254	658	1257	1974	2642	3101	3343	3394	3396

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: PRAIRIE DU SAC 2 N, WI

COOP ID: 476838

Climate Division: WI 7

NWS Call Sign:

Elevation: 780 Feet

Lat: 43° 19N

Lon: 89° 44W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	25.4	6.4	15.9	57	1989	31	26.9	1990	-42	1951	30	2.7	1977	1523	0	.0	.0	.3	21.4	30.7	10.4
Feb	31.3	11.3	21.3	63	1984	22	34.5	1998	-31	1996	3	9.6	1979	1224	0	.0	.0	1.5	14.2	27.1	6.4
Mar	42.2	23.0	32.6	81+	2000	8	40.6	2000	-28	1962	1	25.2	1975	1005	0	.0	.0	7.9	5.7	24.8	1.1
Apr	56.3	35.7	46.0	94	1980	22	52.8	1977	9	1982	7	40.3	1975	571	1	.0	@	21.2	.4	10.2	.0
May	70.0	47.2	58.6	92+	1991	28	66.0	1977	25	1989	7	52.4	1997	245	46	.0	.3	30.5	.0	.7	.0
Jun	79.6	56.1	67.9	101+	1988	21	71.8	1991	38	1993	1	62.2	1982	43	128	.1	2.7	30.0	.0	.0	.0
Jul	83.4	60.5	72.0	103	1995	13	75.8	1999	45+	1972	5	67.2	1992	8	223	.2	5.0	31.0	.0	.0	.0
Aug	80.3	58.5	69.4	102+	1988	17	75.2	1995	38	1986	28	64.9	1992	33	169	.1	2.1	31.0	.0	.0	.0
Sep	71.9	49.5	60.7	98+	1978	8	66.0	1978	26	1974	22	55.2	1993	161	33	.0	.6	29.9	.0	.7	.0
Oct	59.6	38.4	49.0	91	1963	6	54.8	1971	14	1988	30	43.2	1988	497	2	.0	.0	26.0	.0	7.3	.0
Nov	43.2	25.6	34.4	78+	2000	1	41.4	1999	-9	1977	26	27.2	1976	917	0	.0	.0	8.6	4.4	22.0	.3
Dec	30.2	13.5	21.9	65+	2001	6	29.3	1998	-23	1983	24	10.4	1983	1338	0	.0	.0	1.2	16.7	29.7	5.1
Ann	56.1	35.5	45.8	103	Jul 1995	13	75.8	Jul 1999	-42	Jan 1951	30	2.7	Jan 1977	7565	602	.4	10.7	219.1	62.8	153.2	23.3

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1947-2001

(3) Derived from 1971-2000 serially complete daily data

091-A

**Climatography
of the United States
No. 20
1971-2000**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: PRAIRIE DU SAC 2 N, WI

COOP ID: 476838

Climate Division: WI 7

NWS Call Sign:

Elevation: 780 Feet

Lat: 43°19N

Lon: 89°44W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.03	.85	1.12	1967	24	2.23	1999	.12	1981	8.2	3.7	.3	@	.23	.32	.47	.61	.75	.89	1.05	1.25	1.51	1.92	2.30
Feb	1.07	.93	1.37	1999	12	3.04	1971	.05	1995	6.5	3.0	.5	.1	.14	.22	.38	.52	.68	.86	1.06	1.31	1.64	2.19	2.73
Mar	1.98	1.76	2.70	1998	31	4.62	1976	.23	1978	8.5	4.8	1.5	.3	.35	.53	.82	1.09	1.36	1.66	2.01	2.42	2.97	3.86	4.71
Apr	3.15	2.60	3.15	1999	5	8.31	1999	1.07	1997	10.7	6.8	2.3	.6	1.13	1.42	1.85	2.21	2.56	2.91	3.30	3.74	4.32	5.20	6.01
May	3.06	2.76	2.88	1978	13	5.75	2000	.14	1981	10.0	6.2	2.0	.6	.78	1.06	1.51	1.90	2.29	2.70	3.15	3.69	4.40	5.52	6.56
Jun	3.95	3.12	3.27	2000	1	9.20	2000	1.16	1992	9.8	6.7	2.5	.9	.96	1.33	1.91	2.42	2.93	3.47	4.07	4.79	5.73	7.21	8.61
Jul	3.80	3.43	5.05	1951	21	9.19	1993	1.77	1990	9.8	6.7	2.9	1.1	1.68	2.02	2.49	2.88	3.24	3.60	3.99	4.44	5.00	5.86	6.63
Aug	4.31	3.99	5.73	2001	1	11.41	1980	.90	1978	10.1	7.1	3.1	1.4	1.54	1.94	2.53	3.02	3.50	3.98	4.51	5.12	5.91	7.12	8.23
Sep	3.20	2.77	4.27	1965	9	9.74	1986	.40+	1979	9.1	6.2	2.3	.8	.42	.68	1.14	1.59	2.05	2.57	3.17	3.91	4.91	6.54	8.12
Oct	2.21	2.00	2.08	1959	23	5.06	1984	.52	1975	8.9	5.3	1.5	.3	.55	.76	1.08	1.37	1.65	1.95	2.28	2.68	3.19	4.01	4.78
Nov	2.05	1.60	2.44	1975	29	4.95	1992	.05	1976	9.3	5.2	.9	.3	.35	.53	.83	1.11	1.40	1.71	2.07	2.50	3.08	4.01	4.90
Dec	1.21	1.13	1.73	1968	19	2.65+	1972	.18	1998	8.3	3.5	.6	.1	.24	.35	.52	.69	.85	1.03	1.23	1.48	1.80	2.31	2.80
Ann	31.02	31.06	5.73	Aug 2001	1	11.41	Aug 1980	.05+	Feb 1995	109.2	65.2	20.4	6.5	24.27	25.63	27.34	28.62	29.75	30.83	31.94	33.15	34.61	36.70	38.48

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1947-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: PRAIRIE DU SAC 2 N, WI

COOP ID: 476838

Climate Division: WI 7

NWS Call Sign:

Elevation: 780 Feet

Lat: 43° 19N

Lon: 89° 44W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	8.1	4.7	5	3	10.0	1996	26	22.2	1971	30	1979	31	21	1979	5.5	2.9	1.0	.3	@	20.9	12.9	10.4	6.1
Feb	5.5	4.7	4	3	10.0	1993	21	20.2	1975	21	1979	21	19	1979	3.7	2.1	.5	.2	@	18.0	12.1	8.4	2.9
Mar	4.0	3.0	1	#	7.0	1971	18	11.0	1975	14	1979	1	6	1979	2.5	1.1	.3	.1	.0	7.1	4.2	2.6	.1
Apr	1.3	.0	#	0	11.6	1973	9	16.2	1973	14	1973	9	2	1973	.8	.3	.1	@	@	.7	.2	.2	@
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	#	.0	#	0	#	1989	20	#+	1989	#+	1992	19	#+	1992	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	1.9	.5	#	#	5.0	1977	27	9.0	1977	30	1971	30	4	1971	1.7	.9	.2	@	.0	1.4	.6	.2	.0
Dec	7.2	7.0	2	1	10.0	1985	1	23.5	1987	16	1985	29	15	1985	3.9	1.9	.5	.2	.1	11.4	6.2	2.3	.4
Ann	28.0	19.9	N/A	N/A	11.6	Apr 1973	9	23.5	Dec 1987	30+	Jan 1979	31	21	Jan 1979	18.1	9.2	2.6	.8	.1	59.5	36.2	24.1	9.5

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: PRAIRIE DU SAC 2 N, WI

COOP ID: 476838

Climate Division: WI 7

NWS Call Sign:

Elevation: 780 Feet

Lat: 43° 19N

Lon: 89° 44W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/22	5/17	5/13	5/10	5/07	5/04	5/01	4/27	4/22
32	5/10	5/06	5/03	5/01	4/28	4/26	4/24	4/21	4/17
28	4/29	4/25	4/22	4/20	4/17	4/15	4/12	4/09	4/05
24	4/16	4/13	4/10	4/08	4/06	4/04	4/01	3/30	3/26
20	4/12	4/08	4/05	4/02	3/31	3/28	3/26	3/23	3/18
16	4/07	4/02	3/29	3/26	3/23	3/20	3/16	3/13	3/07
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/13	9/17	9/20	9/23	9/25	9/28	9/30	10/03	10/08
32	9/20	9/25	9/28	10/01	10/04	10/06	10/09	10/12	10/17
28	9/30	10/06	10/10	10/14	10/17	10/21	10/24	10/28	11/03
24	10/14	10/19	10/22	10/25	10/28	10/31	11/03	11/06	11/11
20	10/25	10/30	11/02	11/04	11/07	11/09	11/12	11/15	11/19
16	10/30	11/05	11/09	11/13	11/16	11/19	11/23	11/27	12/03
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	159	153	148	144	141	137	133	128	122
32	174	168	164	161	157	154	151	147	141
28	205	197	192	187	182	178	173	168	160
24	222	216	212	208	205	201	197	193	187
20	239	232	228	224	220	217	213	208	202
16	262	253	247	242	237	233	228	222	213

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: PRAIRIE DU SAC 2 N, WI

COOP ID: 476838

Climate Division: WI 7 NWS Call Sign: Elevation: 780 Feet Lat: 43°19N Lon: 89°44W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1523	1224	1005	571	245	43	8	33	161	497	917	1338	7565
60	1368	1084	850	427	147	11	0	7	72	351	767	1183	6267
57	1275	1000	757	345	101	4	0	2	38	271	677	1090	5560
55	1213	944	695	294	76	2	0	0	23	224	618	1028	5117
50	1058	804	545	183	32	0	0	0	4	124	473	873	4096
32	538	355	134	6	0	0	0	0	0	2	94	378	1507

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	38	55	152	427	824	1075	1238	1159	862	530	167	63	6590
55	0	0	0	24	187	387	525	446	195	38	0	0	1802
57	0	0	0	15	150	329	463	386	150	24	0	0	1517
60	0	0	0	7	103	246	370	298	94	10	0	0	1128
65	0	0	0	1	46	128	223	169	33	2	0	0	602
70	0	0	0	0	16	48	103	77	7	0	0	0	251

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	3	54	240	595	854	1013	928	646	317	59	5	0	3	57	297	892	1746	2759	3687	4333	4650	4709	4714
45	0	0	21	139	442	704	858	773	498	193	25	0	0	0	21	160	602	1306	2164	2937	3435	3628	3653	3653
50	0	0	8	74	297	554	703	618	353	106	5	0	0	0	8	82	379	933	1636	2254	2607	2713	2718	2718
55	0	0	3	33	179	405	548	463	228	46	1	0	0	0	3	36	215	620	1168	1631	1859	1905	1906	1906
60	0	0	0	15	90	262	393	312	124	16	0	0	0	0	0	15	105	367	760	1072	1196	1212	1212	1212
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	39	150	355	551	681	614	393	182	31	3	0	0	39	189	544	1095	1776	2390	2783	2965	2996	2999

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: PRENTICE NO. 2, WI

COOP ID: 476859

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,540 Feet Lat: 45°31N

Lon: 90°17W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	19.3	-3.2	8.1	54	1973	25	19.5	1990	-45+	1982	17	-2.7	1977	1767	0	.0	.0	.1	27.1	30.9	17.1
Feb	26.0	2.0	14.0	59	1976	24	30.3	1998	-47+	1996	3	3.5	1989	1428	0	.0	.0	.5	19.0	27.8	11.9
Mar	37.0	15.3	26.2	74	2000	8	35.7	2000	-44	1962	1	17.7	1996	1205	0	.0	.0	4.3	10.2	28.0	5.2
Apr	51.9	28.8	40.4	90	1952	28	46.6	1998	-6	1972	8	34.3	1975	741	0	.0	.0	17.4	1.5	19.6	.3
May	65.6	40.2	52.9	89+	1959	2	60.5	1998	14	1966	10	47.0	1983	394	19	.0	.0	29.2	@	7.4	.0
Jun	73.3	48.8	61.1	93	1963	30	65.9+	1995	21	1964	2	54.0	1982	155	37	.0	.2	29.9	.0	.9	.0
Jul	77.5	53.6	65.6	99	1995	14	70.2	1999	28	1972	4	59.2	1992	68	84	.0	1.0	31.0	.0	@	.0
Aug	75.4	51.6	63.5	98	1964	2	68.5	1995	26	1976	29	58.2	1977	110	63	.0	.4	31.0	.0	.3	.0
Sep	66.2	42.8	54.5	93	1976	7	61.3	1998	15	1967	29	48.8	1993	321	6	.0	.1	28.9	.0	4.4	.0
Oct	54.4	32.6	43.5	89	1976	1	50.9	1971	-1	1976	27	37.3	1987	667	0	.0	.0	20.8	.3	16.1	@
Nov	37.1	20.2	28.7	70+	2000	2	36.4	1999	-27+	1976	30	19.5	1995	1090	0	.0	.0	4.4	10.5	26.6	1.6
Dec	23.6	4.8	14.2	64	1998	3	23.5	1997	-43	1983	19	2.3	1983	1575	0	.0	.0	.3	24.1	30.7	11.2
Ann	50.6	28.1	39.4	99	Jul 1995	14	70.2	Jul 1999	-47+	Feb 1996	3	-2.7	Jan 1977	9521	209	.0	1.7	197.8	92.7	192.7	47.3

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

092-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: PRENTICE NO. 2, WI

COOP ID: 476859

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,540 Feet Lat: 45°31N

Lon: 90°17W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.94	.71	1.20	1953	15	2.23	1997	.05	1981	7.7	3.4	.2	.0	.16	.24	.38	.51	.64	.78	.94	1.14	1.40	1.83	2.24
Feb	.67	.58	1.07	1999	12	1.96	1971	.03	1997	5.8	2.2	.1	@	.08	.13	.22	.32	.42	.53	.66	.82	1.04	1.40	1.75
Mar	1.47	1.31	1.66	1973	11	3.25	1973	.21	1978	7.7	3.9	.7	.2	.23	.36	.57	.77	.98	1.21	1.47	1.79	2.22	2.91	3.57
Apr	2.26	2.19	2.10	1981	4	4.38	1977	.11	1980	9.2	5.4	1.3	.3	.51	.72	1.05	1.35	1.65	1.96	2.32	2.75	3.31	4.20	5.05
May	3.33	3.31	2.48	1951	16	8.41	1973	.57	1986	10.0	7.0	2.3	.7	1.03	1.34	1.81	2.22	2.61	3.02	3.47	3.99	4.67	5.73	6.71
Jun	4.09	3.98	3.60	1968	21	7.73	2000	1.31	1983	11.8	7.9	2.8	.8	1.80	2.17	2.68	3.09	3.48	3.87	4.29	4.77	5.37	6.29	7.12
Jul	4.04	3.70	3.49	1949	4	8.89	1999	.92	1998	11.0	7.5	2.7	1.0	1.58	1.95	2.48	2.93	3.34	3.77	4.23	4.76	5.44	6.48	7.43
Aug	4.19	3.89	3.72	1960	28	10.37	1995	1.60	1976	10.7	7.3	3.1	1.0	1.61	2.00	2.56	3.02	3.46	3.91	4.39	4.95	5.66	6.76	7.76
Sep	4.28	3.70	4.06	1994	13	10.97	1994	.66	1976	11.5	7.8	2.6	1.1	.99	1.38	2.01	2.57	3.13	3.72	4.39	5.19	6.23	7.89	9.45
Oct	2.68	2.54	2.50	1966	15	5.17	1995	.60	1976	9.8	5.5	1.6	.5	.98	1.23	1.59	1.89	2.18	2.48	2.80	3.17	3.65	4.38	5.06
Nov	1.98	1.78	2.20	1975	10	7.23	1991	.23	1976	8.9	4.9	1.2	.3	.41	.59	.88	1.14	1.41	1.70	2.02	2.41	2.92	3.75	4.52
Dec	1.06	1.03	1.25	1953	4	2.83	1984	.31	1986	8.5	4.1	.3	.1	.27	.37	.52	.66	.80	.94	1.10	1.28	1.53	1.91	2.28
Ann	30.99	32.17	4.06	Sep 1994	13	10.97	Sep 1994	.03	Feb 1997	112.6	66.9	18.9	6.0	21.07	22.96	25.39	27.25	28.91	30.53	32.20	34.05	36.31	39.60	42.46

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: PRENTICE NO. 2, WI

COOP ID: 476859

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,540 Feet

Lat: 45°31N

Lon: 90°17W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	13.0	11.5	12	11	7.0	1996	19	28.9	1971	34	1997	31	22	1996	7.5	4.9	1.9	.4	.0	30.2	28.2	28.2	14.8
Feb	8.5	7.9	14	12	12.0	1971	5	23.2	1971	34	1997	2	28+	1997	5.2	3.2	1.0	.2	@	-9.9	-9.9	-9.9	-9.9
Mar	8.8	7.5	7	3	12.0	1989	4	25.0	1989	35	1972	7	22	1996	4.7	3.1	1.2	.4	.1	13.4	11.8	10.8	6.6
Apr	3.8	3.3	1	#	12.0	1982	20	15.5	1982	20	1996	4	9	1996	2.1	1.2	.4	.1	@	2.9	1.9	1.1	.2
May	.2	.0	#	0	3.8	1979	5	3.8	1979	2	1979	5	#+	1997	.1	.1	@	.0	.0	.1	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	1.0	1995	22	1.0	1995	0	0	0	0	0	@	@	.0	.0	.0	.0	.0	.0	.0
Oct	.9	.0	#	0	4.5	1986	14	5.0	1982	5	1986	14	#+	1997	.7	.5	.1	.0	.0	.2	.1	@	.0
Nov	4.3	3.4	1	1	10.5	1978	17	13.7	1978	11	1991	24	4	1978	4.1	2.7	.7	.2	@	5.7	3.3	1.4	.3
Dec	11.2	10.2	5	4	10.0	1985	2	29.0	1985	22	1996	31	13	1995	7.5	5.0	1.1	.3	@	24.2	20.1	15.1	4.0
Ann	50.7	43.8	N/A	N/A	12.0+	Mar 1989	4	29.0	Dec 1985	35	Mar 1972	7	28+	Feb 1997	31.9	20.7	6.4	1.6	.1	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: PRENTICE NO. 2, WI

COOP ID: 476859

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,540 Feet

Lat: 45°31N

Lon: 90°17W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/05	6/28	6/23	6/19	6/15	6/11	6/07	6/02	5/27
32	6/18	6/13	6/09	6/06	6/03	5/31	5/28	5/24	5/19
28	6/08	6/01	5/27	5/23	5/19	5/15	5/10	5/05	4/28
24	5/18	5/13	5/09	5/06	5/03	4/30	4/27	4/23	4/18
20	5/03	4/28	4/24	4/21	4/18	4/15	4/12	4/08	4/02
16	4/22	4/18	4/15	4/12	4/10	4/07	4/05	4/02	3/29
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/08	8/15	8/21	8/25	8/30	9/03	9/08	9/13	9/21
32	8/26	9/01	9/05	9/09	9/12	9/16	9/19	9/24	9/30
28	9/09	9/15	9/19	9/22	9/25	9/28	10/01	10/05	10/10
24	9/21	9/26	9/30	10/04	10/07	10/10	10/14	10/18	10/23
20	10/03	10/08	10/12	10/15	10/18	10/21	10/24	10/27	11/01
16	10/12	10/17	10/22	10/25	10/29	11/01	11/05	11/09	11/15
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	111	99	90	82	75	68	60	51	38
32	125	116	110	105	100	96	90	84	76
28	155	146	139	134	128	123	118	111	102
24	180	172	166	161	157	152	147	141	133
20	206	198	192	187	182	178	172	167	158
16	224	216	210	206	201	197	192	186	179

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States**
No. 20
1971-2000

Station: PRENTICE NO. 2, WI

COOP ID: 476859

Climate Division: WI 2 NWS Call Sign: Elevation: 1,540 Feet Lat: 45°31N Lon: 90°17W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1767	1428	1205	741	394	155	68	110	321	667	1090	1575	9521
60	1612	1288	1050	593	270	72	16	40	194	515	940	1420	8010
57	1519	1204	957	507	207	39	6	18	132	427	850	1327	7193
55	1457	1148	895	451	171	24	1	9	98	371	790	1265	6680
50	1302	1008	741	321	96	6	0	1	39	244	641	1110	5509
32	756	535	268	39	2	0	0	0	0	16	194	584	2394

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	12	31	86	289	650	872	1040	976	675	372	94	31	5128
55	0	0	0	11	106	206	327	272	83	13	0	0	1018
57	0	0	0	7	80	161	270	218	57	8	0	0	801
60	0	0	0	3	50	104	187	148	29	3	0	0	524
65	0	0	0	0	19	37	84	63	6	0	0	0	209
70	0	0	0	0	6	9	22	16	0	0	0	0	53

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	21	140	435	652	810	746	461	191	23	1	0	0	21	161	596	1248	2058	2804	3265	3456	3479	3480
45	0	0	6	75	295	504	655	591	322	103	8	0	0	0	6	81	376	880	1535	2126	2448	2551	2559	2559
50	0	0	0	35	182	359	500	437	206	46	2	0	0	0	0	35	217	576	1076	1513	1719	1765	1767	1767
55	0	0	0	14	100	229	347	290	111	17	0	0	0	0	0	14	114	343	690	980	1091	1108	1108	1108
60	0	0	0	5	47	123	209	160	51	2	0	0	0	0	0	5	52	175	384	544	595	597	597	597
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	14	104	280	410	523	474	282	120	13	0	0	0	14	118	398	808	1331	1805	2087	2207	2220	2220

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: RACINE, WI

COOP ID: 476922

Climate Division: WI 9

NWS Call Sign:

Elevation: 595 Feet Lat: 42° 42N Lon: 87° 47W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	28.1	13.3	20.7	60	1950	25	31.1	1990	-31	1982	11	6.7	1977	1372	0	.0	.0	.6	18.7	29.4	6.6
Feb	31.9	18.5	25.2	67	1976	28	35.6	1998	-24	1996	3	16.1	1979	1114	0	.0	.0	1.2	13.8	25.2	2.7
Mar	40.9	28.0	34.5	83	1986	30	41.8	2000	-12	1962	1	27.9	1996	947	0	.0	.0	6.1	5.5	21.9	.1
Apr	51.2	37.1	44.2	91	1980	23	48.9	1977	12	1982	5	38.9	1975	625	0	.0	@	15.3	.4	7.5	.0
May	62.5	46.6	54.6	92+	1975	20	61.2	1977	25	1966	10	49.6	1983	338	14	.0	.2	28.2	.0	.4	.0
Jun	73.4	56.5	65.0	100+	1988	26	70.7	1971	37	1969	4	59.3	1982	98	96	.1	1.4	30.0	.0	.0	.0
Jul	78.6	63.9	71.3	104	1995	14	76.2	1999	42	1972	5	66.8	1992	12	206	.1	3.4	31.0	.0	.0	.0
Aug	77.6	64.0	70.8	102	1948	24	75.6	1995	40	1977	25	66.2	1992	13	193	.1	1.9	31.0	.0	.0	.0
Sep	70.3	55.9	63.1	101	1953	1	67.9	1978	32+	1956	20	58.5	1993	112	54	.0	.4	29.9	.0	.1	.0
Oct	59.0	44.1	51.6	91	1963	6	58.7	1971	20+	1962	26	46.1	1988	422	4	.0	@	26.6	.0	2.8	.0
Nov	45.4	32.1	38.8	79	1950	1	45.5	1999	-5+	1976	30	29.9	1976	788	0	.0	.0	10.3	2.6	15.5	.1
Dec	33.3	19.8	26.6	66	2001	6	33.7	1998	-23	1983	25	15.5	1983	1191	0	.0	.0	1.7	11.9	26.7	3.1
Ann	54.4	40.0	47.2	104	Jul 1995	14	76.2	Jul 1999	-31	Jan 1982	11	6.7	Jan 1977	7032	567	.3	7.3	211.9	52.9	129.5	12.6

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

093-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: RACINE, WI

COOP ID: 476922

Climate Division: WI 9

NWS Call Sign:

Elevation: 595 Feet

Lat: 42°42N

Lon: 87°47W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.72	1.52	1.65	1960	12	4.70	1999	.16	1981	10.0	4.5	1.1	.2	.37	.53	.78	1.01	1.24	1.48	1.76	2.09	2.52	3.21	3.87
Feb	1.45	1.32	1.57	1997	21	3.73	1994	.01	1987	8.2	3.8	.8	.2	.15	.26	.46	.66	.88	1.12	1.41	1.77	2.25	3.06	3.85
Mar	2.42	2.08	2.65	1976	5	7.56	1976	.65	1999	10.3	5.4	1.5	.5	.60	.83	1.19	1.50	1.81	2.13	2.50	2.93	3.49	4.38	5.22
Apr	4.03	3.99	2.92	1976	25	7.82	1973	.92	1989	11.5	7.0	2.7	1.1	1.42	1.80	2.35	2.82	3.26	3.71	4.21	4.78	5.52	6.65	7.70
May	3.28	3.25	2.76	1996	21	9.02	2000	.47	1992	10.8	6.4	2.2	.7	.68	.98	1.46	1.90	2.34	2.81	3.35	3.99	4.83	6.18	7.46
Jun	3.68	3.59	3.55	1954	3	8.88	1972	.78	1988	10.2	6.6	2.5	.8	1.06	1.41	1.94	2.40	2.84	3.31	3.82	4.42	5.20	6.43	7.57
Jul	3.57	2.98	3.99	2000	3	8.15	1978	1.76	1988	9.9	6.5	2.3	1.0	1.38	1.71	2.18	2.58	2.95	3.33	3.74	4.22	4.82	5.75	6.60
Aug	4.08	4.11	3.10	1983	17	8.38	1987	.38	1973	9.1	6.5	2.6	1.3	1.31	1.70	2.27	2.76	3.23	3.72	4.25	4.88	5.68	6.94	8.10
Sep	3.70	3.16	3.97	1991	12	8.43	1986	.04	1979	9.0	6.0	2.5	1.0	.43	.71	1.23	1.75	2.30	2.91	3.63	4.52	5.74	7.74	9.68
Oct	2.48	2.10	3.15	1991	5	7.17	1991	.93	1999	9.4	5.5	1.7	.4	.75	.99	1.34	1.64	1.94	2.24	2.58	2.97	3.48	4.28	5.01
Nov	2.88	2.44	2.27	1992	2	6.67	1985	.60	1976	9.7	5.8	1.8	.4	.77	1.04	1.46	1.83	2.18	2.56	2.98	3.47	4.12	5.13	6.08
Dec	2.06	1.82	1.90	1982	3	5.20	1987	.19	1976	9.9	4.8	1.1	.3	.42	.61	.91	1.18	1.46	1.76	2.10	2.50	3.03	3.89	4.70
Ann	35.35	35.65	3.99	Jul 2000	3	9.02	May 2000	.01	Feb 1987	118.0	68.8	22.8	7.9	27.64	29.19	31.14	32.59	33.88	35.11	36.36	37.74	39.40	41.78	43.81

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

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Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: RACINE, WI

COOP ID: 476922

Climate Division: WI 9

NWS Call Sign:

Elevation: 595 Feet

Lat: 42°42N

Lon: 87°47W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	12.9	12.6	5	3	13.0	1999	3	44.2	1979	38	1979	25	27	1979	6.8	4.5	1.7	.8	.1	-9.9	-9.9	-9.9	-9.9
Feb	8.4	5.1	4	3	10.0	1994	26	38.0	1994	23	1994	13	14	1979	4.4	2.6	1.1	.4	@	12.8	5.4	2.4	.7
Mar	6.0	5.5	1	1	13.5	1996	7	15.0	1971	14	1996	7	8	1979	3.3	1.7	.6	.3	@	5.6	2.2	1.0	.1
Apr	1.3	.5	#	0	10.5	1982	6	13.0	1982	4+	2000	8	#+	2000	.8	.4	.2	@	@	.3	.1	.0	.0
May	.1	.0	#	0	1.0	1990	10	1.0	1990	1	1990	10	#+	1994	.1	@	.0	.0	.0	@	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.2	.0	#	0	2.5	1989	20	2.5	1989	2	1976	27	#+	2000	.1	.1	.0	.0	.0	@	.0	.0	.0
Nov	2.2	1.0	#	#	8.0	1975	27	8.4	1995	9	1977	28	7	1977	1.4	.7	.2	.1	.0	1.4	.4	.2	.0
Dec	6.8	5.4	2	1	13.0	2000	12	19.0+	1987	25	2000	31	13	2000	4.2	2.5	1.0	.4	@	4.9	1.6	1.1	.3
Ann	37.9	30.1	N/A	N/A	13.5	Mar 1996	7	44.2	Jan 1979	38	Jan 1979	25	27	Jan 1979	21.1	12.5	4.8	2.0	.1	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

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**Climatography
of the United States
No. 20
1971-2000**

Station: RACINE, WI

COOP ID: 476922

Climate Division: WI 9

NWS Call Sign:

Elevation: 595 Feet

Lat: 42° 42N

Lon: 87° 47W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/20	5/14	5/10	5/07	5/04	5/01	4/28	4/24	4/18
32	5/08	5/04	4/30	4/27	4/25	4/22	4/19	4/16	4/11
28	4/23	4/19	4/16	4/13	4/11	4/08	4/06	4/02	3/29
24	4/16	4/11	4/07	4/04	4/01	3/28	3/25	3/21	3/16
20	4/08	4/02	3/29	3/26	3/22	3/19	3/16	3/12	3/06
16	4/02	3/26	3/21	3/17	3/14	3/10	3/06	3/01	2/22
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/25	9/29	10/03	10/06	10/08	10/11	10/14	10/17	10/21
32	10/05	10/11	10/15	10/18	10/21	10/25	10/28	11/01	11/06
28	10/23	10/27	10/30	11/01	11/04	11/06	11/08	11/11	11/15
24	10/27	11/01	11/05	11/08	11/11	11/14	11/18	11/21	11/27
20	11/05	11/11	11/15	11/18	11/22	11/25	11/28	12/02	12/08
16	11/10	11/16	11/20	11/24	11/27	12/01	12/04	12/08	12/14
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	177	170	165	160	156	152	148	143	136
32	201	193	188	183	179	175	170	165	158
28	222	217	213	210	206	203	200	196	191
24	249	241	234	229	224	219	214	208	199
20	270	261	254	249	243	238	233	226	217
16	283	275	268	263	258	253	248	241	233

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: RACINE, WI

COOP ID: 476922

Climate Division: WI 9 NWS Call Sign: Elevation: 595 Feet Lat: 42°42N Lon: 87°47W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1372	1114	947	625	338	98	12	13	112	422	788	1191	7032
60	1217	974	792	476	213	40	1	1	43	282	638	1036	5713
57	1124	890	699	388	151	20	0	0	20	209	549	943	4993
55	1062	834	637	331	115	12	0	0	11	167	491	881	4541
50	907	694	487	202	50	2	0	0	2	84	354	733	3515
32	405	256	92	4	0	0	0	0	0	0	49	275	1081

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	56	66	168	369	699	988	1217	1203	933	605	251	107	6662
55	0	0	0	6	102	310	504	490	253	59	3	0	1727
57	0	0	0	3	75	258	442	428	203	39	1	0	1449
60	0	0	0	1	44	188	350	336	135	19	0	0	1073
65	0	0	0	0	14	96	206	193	54	4	0	0	567
70	0	0	0	0	3	36	93	85	13	0	0	0	230

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	1	5	51	175	464	749	969	948	694	366	97	11	1	6	57	232	696	1445	2414	3362	4056	4422	4519	4530
45	0	0	22	91	313	599	814	793	544	232	45	2	0	0	22	113	426	1025	1839	2632	3176	3408	3453	3455
50	0	0	7	41	187	449	659	638	396	123	18	0	0	0	7	48	235	684	1343	1981	2377	2500	2518	2518
55	0	0	1	19	95	309	504	483	259	55	3	0	0	0	1	20	115	424	928	1411	1670	1725	1728	1728
60	0	0	0	2	47	184	350	331	144	17	0	0	0	0	0	2	49	233	583	914	1058	1075	1075	1075
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	30	86	230	457	645	634	410	173	41	3	0	0	30	116	346	803	1448	2082	2492	2665	2706	2709

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: REEDSBURG, WI

COOP ID: 477052

Climate Division: WI 7

NWS Call Sign:

Elevation: 905 Feet Lat: 43°32N Lon: 90°01W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	27.0	7.4	17.2	58	1973	26	28.2	1990	-42	1951	30	4.5	1977	1481	0	.0	.0	.5	22.4	30.8	10.7
Feb	33.4	13.2	23.3	64	1984	22	35.7	1998	-30+	1959	2	12.6	1979	1168	0	.0	.0	1.3	14.3	26.9	6.3
Mar	44.6	23.8	34.2	85	1986	29	42.1	2000	-34	1962	1	26.3	1975	954	0	.0	.0	9.2	4.6	25.2	1.3
Apr	59.0	35.0	47.0	95	1980	22	53.5	1977	2	1982	7	40.3	1975	544	2	.0	@	23.1	.2	11.6	.0
May	71.3	45.7	58.5	92+	1986	31	65.7	1977	23	1966	4	52.3	1997	243	42	.0	.2	30.7	.0	1.9	.0
Jun	79.1	55.2	67.2	103	1988	20	71.7	1988	34	1956	2	62.3	1982	47	112	.1	2.2	30.0	.0	.0	.0
Jul	82.6	60.0	71.3	104	1988	31	75.1	1988	41+	1968	3	66.1	1992	13	208	.1	4.2	31.0	.0	.0	.0
Aug	80.2	57.7	69.0	103+	1988	17	74.6	1988	35	1986	28	63.9	1992	37	159	.1	1.8	31.0	.0	.0	.0
Sep	72.3	49.4	60.9	98	1955	9	65.6	1998	24+	1974	23	56.0+	1993	157	32	.0	.2	29.9	.0	1.0	.0
Oct	60.9	38.5	49.7	91	1976	1	56.9	1971	9	1988	30	43.6	1988	476	1	.0	@	27.6	.0	8.9	.0
Nov	44.3	26.7	35.5	76	1964	3	43.2	1999	-12	1977	26	28.3	1995	886	0	.0	.0	9.1	3.6	21.8	.5
Dec	30.9	13.5	22.2	63+	2001	6	30.4	1982	-27	1989	21	10.0	2000	1328	0	.0	.0	.7	17.4	29.6	5.7
Ann	57.1	35.5	46.3	104	Jul 1988	31	75.1	Jul 1988	-42	Jan 1951	30	4.5	Jan 1977	7334	556	.3	8.6	224.1	62.5	157.7	24.5

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

094-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: REEDSBURG, WI

COOP ID: 477052

Climate Division: WI 7

NWS Call Sign:

Elevation: 905 Feet

Lat: 43°32N

Lon: 90°01W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.21	1.15	1.59	1971	4	2.57	1988	.04	1981	7.0	3.2	.4	.1	.27	.38	.55	.71	.87	1.04	1.24	1.47	1.77	2.25	2.70
Feb	1.15	1.09	1.20	1976	21	3.23	1971	.05	1982	6.9	3.4	.7	.1	.18	.27	.44	.60	.76	.94	1.15	1.40	1.74	2.29	2.82
Mar	2.04	2.02	1.90	1959	6	4.57	1973	.19	1978	9.2	5.0	1.1	.3	.47	.66	.96	1.22	1.49	1.77	2.09	2.47	2.97	3.76	4.51
Apr	3.54	3.37	2.05	1984	30	7.92	1973	1.33	1989	11.8	7.6	2.5	.7	1.46	1.78	2.24	2.61	2.96	3.32	3.71	4.15	4.71	5.57	6.35
May	3.41	3.53	2.97	1950	25	6.77	1973	.40	1981	11.0	6.7	2.0	.7	.99	1.32	1.80	2.23	2.64	3.06	3.54	4.09	4.81	5.94	6.99
Jun	3.93	3.57	2.82	1950	13	8.88	1990	.93	1987	11.0	6.9	2.8	1.1	1.26	1.63	2.18	2.65	3.11	3.58	4.09	4.69	5.46	6.67	7.78
Jul	4.44	4.49	4.30	1985	24	8.29	1999	1.39	1990	9.7	6.6	2.7	.9	1.85	2.25	2.82	3.29	3.73	4.18	4.66	5.21	5.91	6.97	7.94
Aug	4.19	3.82	6.07	2001	2	11.79	1980	1.57	1984	10.4	6.4	2.2	1.0	1.55	1.94	2.50	2.98	3.43	3.89	4.39	4.97	5.71	6.85	7.89
Sep	3.53	3.42	3.20	1961	13	7.93	1986	.13	1979	9.9	6.2	2.2	.9	.53	.82	1.33	1.82	2.33	2.88	3.52	4.31	5.36	7.07	8.72
Oct	2.13	2.14	2.06	1959	24	4.78	1984	.44	1975	7.7	4.5	1.3	.3	.67	.87	1.17	1.43	1.68	1.93	2.22	2.55	2.97	3.63	4.25
Nov	2.40	2.13	2.14	1982	12	5.50	1985	.10	1976	8.5	5.0	1.3	.4	.43	.65	1.00	1.32	1.66	2.02	2.43	2.92	3.58	4.64	5.66
Dec	1.38	1.28	1.15	1985	2	2.47+	1982	.11	1989	8.8	3.6	.7	.1	.30	.43	.63	.81	1.00	1.19	1.41	1.67	2.02	2.57	3.09
Ann	33.35	33.92	6.07	Aug 2001	2	11.79	Aug 1980	.04	Jan 1981	111.9	65.1	19.9	6.6	26.19	27.62	29.43	30.79	31.98	33.11	34.28	35.56	37.09	39.29	41.17

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: REEDSBURG, WI

COOP ID: 477052

Climate Division: WI 7

NWS Call Sign:

Elevation: 905 Feet

Lat: 43°32N

Lon: 90°01W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	12.8	8.6	7	5	17.0	1971	4	30.1	1982	25	1971	4	18	1971	7.1	4.0	1.2	.4	.2	26.6	22.4	18.1	11.1
Feb	9.8	7.4	7	6	13.0	1976	21	23.7	1976	24	1971	6	20	1979	5.9	3.3	.9	.3	.1	22.6	18.8	15.6	10.1
Mar	7.3	6.7	3	1	14.0	1971	19	16.9	1971	16	1975	7	13	1975	4.3	2.3	.6	.1	.1	11.3	8.1	5.9	3.0
Apr	3.2	2.0	#	#	10.5	1973	9	17.5	1973	15	1973	10	2	1973	1.4	1.0	.4	.1	.1	1.4	.6	.4	.2
May	#	.0	#	0	#	1989	6	#+	1989	#	1989	6	#	1989	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	#	0	.0	0	0	.0	0	#+	1984	27	#+	1984	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	#	0	.0	0	0	.0	0	#	1987	27	#	1987	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	#	0	.0	0	0	.0	0	#	1972	18	#	1972	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.4	.0	#	0	6.0	1990	11	6.0	1990	6	1990	11	#+	1990	.2	.1	.1	.1	.0	.1	.1	.1	.0
Nov	5.6	2.7	1	#	10.0	1985	9	25.3	1985	11	1985	10	3	1985	2.8	1.8	.8	.2	.1	4.1	2.5	1.3	.2
Dec	11.5	10.9	4	2	12.0	1985	2	27.5	1985	19	1985	2	12	1985	6.2	3.7	1.2	.3	.1	19.8	13.9	9.6	3.2
Ann	50.6	38.3	N/A	N/A	17.0	Jan 1971	4	30.1	Jan 1982	25	Jan 1971	4	20	Feb 1979	27.9	16.2	5.2	1.5	.7	85.9	66.4	51.0	27.8

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: REEDSBURG, WI

COOP ID: 477052

Climate Division: WI 7

NWS Call Sign:

Elevation: 905 Feet

Lat: 43°32N

Lon: 90°01W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/30	5/24	5/20	5/16	5/13	5/09	5/06	5/01	4/25
32	5/24	5/18	5/14	5/10	5/07	5/04	5/01	4/26	4/21
28	5/09	5/03	4/29	4/26	4/22	4/19	4/15	4/11	4/05
24	4/28	4/23	4/19	4/16	4/13	4/10	4/07	4/03	3/29
20	4/18	4/13	4/09	4/06	4/03	4/01	3/29	3/25	3/20
16	4/09	4/04	3/31	3/28	3/25	3/22	3/19	3/15	3/10
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/07	9/12	9/15	9/18	9/21	9/24	9/27	9/30	10/05
32	9/16	9/22	9/26	9/29	10/03	10/06	10/10	10/14	10/20
28	9/25	10/01	10/05	10/08	10/12	10/15	10/18	10/23	10/28
24	10/06	10/12	10/17	10/20	10/24	10/27	10/31	11/04	11/11
20	10/14	10/20	10/25	10/29	11/01	11/05	11/09	11/14	11/20
16	10/25	10/31	11/05	11/09	11/12	11/16	11/20	11/24	12/01
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	157	148	141	136	131	125	120	114	105
32	175	165	159	153	148	142	137	130	121
28	200	190	183	177	172	166	160	153	143
24	219	210	204	198	193	188	183	176	167
20	238	229	222	216	211	206	200	194	184
16	259	249	243	237	231	226	220	213	204

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: REEDSBURG, WI

COOP ID: 477052

Climate Division: WI 7 NWS Call Sign: Elevation: 905 Feet Lat: 43°32N Lon: 90°01W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1481	1168	954	544	243	47	13	37	157	476	886	1328	7334
60	1326	1028	799	402	145	12	0	9	68	330	736	1173	6028
57	1233	944	706	323	99	4	0	2	35	252	646	1080	5324
55	1171	888	645	274	74	2	0	0	21	205	588	1018	4886
50	1016	748	500	169	31	0	0	0	4	110	447	863	3888
32	498	311	112	6	0	0	0	0	0	2	90	372	1391

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	40	67	181	454	821	1055	1218	1146	866	551	195	67	6661
55	0	0	1	32	182	366	505	433	196	41	2	0	1758
57	0	0	0	21	145	309	443	373	151	26	0	0	1468
60	0	0	0	10	98	226	350	286	94	11	0	0	1075
65	0	0	0	2	42	112	208	159	32	1	0	0	556
70	0	0	0	0	14	38	99	71	6	0	0	0	228

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	51	251	581	833	991	908	634	309	59	2	0	0	51	302	883	1716	2707	3615	4249	4558	4617	4619
45	0	0	23	148	428	683	836	753	485	187	25	0	0	0	23	171	599	1282	2118	2871	3356	3543	3568	3568
50	0	0	9	79	285	533	681	598	342	97	6	0	0	0	9	88	373	906	1587	2185	2527	2624	2630	2630
55	0	0	1	38	162	383	526	444	215	38	0	0	0	0	1	39	201	584	1110	1554	1769	1807	1807	1807
60	0	0	0	17	78	242	372	292	118	16	0	0	0	0	0	17	95	337	709	1001	1119	1135	1135	1135
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	42	164	364	542	667	600	395	192	31	0	0	0	42	206	570	1112	1779	2379	2774	2966	2997	2997

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: REST LAKE, WI

COOP ID: 477092

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,610 Feet Lat: 46°07N

Lon: 89°53W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	18.5	-4.1	7.2	49	1973	25	17.5	1990	-47	1950	30	-4.3	1977	1794	0	.0	.0	.0	27.4	30.9	15.4
Feb	25.0	.2	12.6	58	1991	9	28.3	1998	-49	1996	3	2.1	1989	1467	0	.0	.0	.5	20.0	27.9	11.1
Mar	36.0	11.8	23.9	72	1986	31	32.8	2000	-39	1962	1	13.5	1996	1274	0	.0	.0	3.8	10.6	28.5	5.6
Apr	51.3	25.4	38.4	90	1952	28	45.3	1998	-11	1982	7	31.2	1975	799	0	.0	.0	17.4	1.5	20.9	.2
May	66.0	39.1	52.6	91	1959	2	61.1	1977	19+	1990	2	44.9	1997	410	23	.0	@	29.0	.0	6.8	.0
Jun	72.8	48.4	60.6	96+	1995	19	66.5	1995	27	1992	21	53.9	1982	170	38	.0	.4	29.9	.0	.5	.0
Jul	76.4	53.2	64.8	97+	1999	31	69.4	1983	33	2000	19	58.6	1992	84	79	.0	1.0	31.0	.0	.0	.0
Aug	74.2	51.5	62.9	99	1948	24	68.1	1995	32+	1992	13	57.6	1977	123	56	.0	.3	31.0	.0	@	.0
Sep	64.6	42.8	53.7	92+	1998	12	60.5	1998	21+	1991	28	48.8	1993	342	3	.0	.1	29.2	.0	2.5	.0
Oct	53.3	32.2	42.8	85	1953	2	49.7	1971	6	1988	29	35.0	1988	689	0	.0	.0	20.1	.4	14.2	.0
Nov	35.8	19.6	27.7	70+	1990	2	36.6	1990	-21	1976	30	18.9	1995	1118	0	.0	.0	4.2	11.6	26.3	1.4
Dec	22.7	4.1	13.4	58+	1998	3	22.5	1997	-36	1989	21	2.0	1989	1600	0	.0	.0	.2	25.2	30.9	9.9
Ann	49.7	27.0	38.4	99	Aug 1948	24	69.4	Jul 1983	-49	Feb 1996	3	-4.3	Jan 1977	9870	199	.0	1.8	196.3	96.7	189.4	43.6

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

095-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: REST LAKE, WI

COOP ID: 477092

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,610 Feet Lat: 46°07N

Lon: 89°53W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.19	1.15	2.20	1996	18	2.74	1996	.00	1990	8.7	3.8	.4	@	.11	.24	.44	.61	.79	.98	1.20	1.47	1.83	2.41	2.96
Feb	.79	.61	1.12	1951	26	3.16	1971	.00	1991	6.1	2.7	.2	@	.04	.11	.23	.35	.47	.61	.77	.97	1.25	1.70	2.14
Mar	1.67	1.61	1.60	1984	13	3.63	1977	.22	1993	7.7	3.8	.9	.2	.32	.47	.72	.94	1.17	1.42	1.69	2.03	2.47	3.19	3.87
Apr	2.21	2.10	3.02	1954	26	5.95	1991	.41	1988	8.2	5.6	1.4	.3	.50	.70	1.02	1.32	1.61	1.92	2.27	2.69	3.23	4.11	4.93
May	3.52	3.45	2.97	1953	21	6.33	1999	.31	1986	9.5	6.6	2.6	.7	1.07	1.40	1.90	2.33	2.75	3.18	3.66	4.22	4.95	6.08	7.13
Jun	4.06	3.86	3.20	1990	12	6.78	1981	1.43	1987	10.5	7.9	2.8	.8	1.79	2.15	2.66	3.07	3.45	3.84	4.25	4.73	5.33	6.24	7.06
Jul	4.25	4.31	4.18	1955	30	9.33	1996	.45	1989	9.7	8.1	3.1	.8	1.05	1.45	2.07	2.62	3.16	3.74	4.38	5.14	6.14	7.72	9.19
Aug	4.67	4.36	5.17	1978	23	9.97	1972	1.31	1993	10.0	7.0	3.2	1.0	1.38	1.83	2.49	3.07	3.63	4.21	4.85	5.60	6.58	8.11	9.52
Sep	3.87	3.40	2.69	1968	4	8.01	1994	.82	1989	10.7	8.2	2.6	1.0	1.20	1.56	2.11	2.58	3.03	3.51	4.02	4.63	5.42	6.64	7.77
Oct	2.98	3.00	2.74	1954	14	7.53	1995	.63	1976	9.9	6.6	1.9	.6	1.13	1.41	1.81	2.14	2.45	2.77	3.12	3.53	4.04	4.83	5.55
Nov	2.14	2.09	2.26	1975	10	5.04	1975	.27	1981	8.6	5.0	1.5	.3	.54	.74	1.05	1.33	1.60	1.89	2.21	2.59	3.09	3.88	4.62
Dec	1.29	1.08	.97	1975	14	3.15	1996	.21	1994	9.6	4.6	.5	.0	.32	.44	.62	.79	.96	1.13	1.32	1.55	1.86	2.33	2.78
Ann	32.64	32.75	5.17	Aug 1978	23	9.97	Aug 1972	.00+	Feb 1991	109.2	69.9	21.1	5.7	22.98	24.84	27.23	29.05	30.66	32.23	33.84	35.63	37.80	40.95	43.68

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: REST LAKE, WI

COOP ID: 477092

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,610 Feet

Lat: 46°07N

Lon: 89°53W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	20.4	22.3	15	14	14.0	1997	26	37.0	1971	50	1997	31	38	1997	6.7	5.2	2.5	1.1	@	29.3	29.3	29.2	25.6
Feb	12.5	11.7	16	16	14.0	1971	5	35.0	1971	54	1997	1	34	1971	4.5	3.5	1.3	.6	.1	27.8	27.8	27.7	25.0
Mar	12.4	11.9	11	8	12.1	1985	31	26.7	1985	34	1971	3	30	1971	4.0	3.3	1.2	.6	.1	20.3	19.9	19.5	12.2
Apr	4.9	3.0	3	1	12.0	1982	3	18.0	1974	24	1971	2	13	1972	1.8	1.5	.6	.3	@	7.6	5.8	3.7	1.4
May	.5	.0	#	0	6.0	1973	2	6.0	1973	5	1973	2	#+	1984	.1	.1	.1	@	.0	.3	.1	@	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.1	.0	0	0	2.0	1995	22	2.0	1995	0	0	0	0	0	@	@	.0	.0	.0	.0	.0	.0	.0
Oct	1.2	.0	#	#	9.0	1982	20	9.0	1982	9	1982	20	1	1982	.4	.4	.1	@	.0	.6	.2	.1	.0
Nov	8.0	5.5	2	1	16.0	1996	11	20.8	1983	16+	1996	11	5	1995	3.6	3.3	1.0	.5	.1	10.9	5.1	2.8	.8
Dec	18.6	18.6	7	6	12.0	1995	14	36.3	1978	44	1996	31	20	1985	6.6	5.4	1.9	.5	.1	28.8	26.7	19.3	5.7
Ann	78.6	73.0	N/A	N/A	16.0	Nov 1996	11	37.0	Jan 1971	54	Feb 1997	1	38	Jan 1997	27.7	22.7	8.7	3.6	.4	125.6	114.9	102.3	70.7

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: REST LAKE, WI

COOP ID: 477092

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,610 Feet

Lat: 46° 07N

Lon: 89° 53W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/28	6/22	6/17	6/13	6/10	6/06	6/02	5/29	5/23
32	6/10	6/05	6/01	5/29	5/26	5/23	5/20	5/16	5/11
28	5/29	5/23	5/19	5/15	5/11	5/08	5/04	4/30	4/24
24	5/12	5/07	5/04	4/30	4/27	4/24	4/21	4/18	4/12
20	4/30	4/26	4/23	4/21	4/18	4/16	4/14	4/11	4/07
16	4/20	4/15	4/12	4/09	4/07	4/04	4/02	3/30	3/25
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/23	8/29	9/02	9/06	9/09	9/13	9/16	9/20	9/26
32	9/04	9/09	9/13	9/17	9/20	9/23	9/27	10/01	10/06
28	9/16	9/21	9/25	9/29	10/02	10/06	10/09	10/13	10/19
24	9/28	10/05	10/10	10/15	10/19	10/23	10/28	11/02	11/10
20	10/12	10/18	10/23	10/26	10/30	11/02	11/06	11/10	11/16
16	10/22	10/27	10/31	11/03	11/06	11/09	11/12	11/16	11/21
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	115	107	101	96	91	86	81	75	66
32	142	133	127	121	116	111	105	99	90
28	169	160	154	148	143	138	133	126	117
24	203	193	186	180	174	168	162	155	145
20	216	208	203	198	194	189	185	179	172
16	233	226	221	216	212	208	204	199	192

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: REST LAKE, WI

COOP ID: 477092

Climate Division: WI 2 NWS Call Sign: Elevation: 1,610 Feet Lat: 46°07N Lon: 89°53W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1794	1467	1274	799	410	170	84	123	342	689	1118	1600	9870
60	1639	1327	1119	652	287	85	24	48	208	537	968	1445	8339
57	1546	1243	1026	565	225	49	9	21	141	448	878	1352	7503
55	1484	1187	964	508	188	31	5	12	104	391	818	1290	6982
50	1329	1047	809	374	111	9	0	1	40	262	670	1135	5787
32	776	563	311	58	5	0	0	0	0	22	215	599	2549

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	5	20	60	249	641	858	1018	955	650	355	86	22	4919
55	0	0	0	8	111	199	309	254	64	12	0	0	957
57	0	0	0	5	86	157	252	202	42	7	0	0	751
60	0	0	0	2	55	103	173	135	19	2	0	0	489
65	0	0	0	0	23	38	79	56	3	0	0	0	199
70	0	0	0	0	8	10	21	14	0	0	0	0	53

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	16	132	449	667	817	757	463	185	24	0	0	0	16	148	597	1264	2081	2838	3301	3486	3510	3510
45	0	0	2	72	310	518	662	602	324	100	6	0	0	0	2	74	384	902	1564	2166	2490	2590	2596	2596
50	0	0	0	32	194	375	507	447	203	45	0	0	0	0	0	32	226	601	1108	1555	1758	1803	1803	1803
55	0	0	0	15	112	236	355	298	111	14	0	0	0	0	0	15	127	363	718	1016	1127	1141	1141	1141
60	0	0	0	4	55	126	213	165	50	2	0	0	0	0	0	4	59	185	398	563	613	615	615	615
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	13	101	291	413	522	471	269	112	11	0	0	0	13	114	405	818	1340	1811	2080	2192	2203	2203

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: RHINELANDER, WI

COOP ID: 477113

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,580 Feet Lat: 45°37N

Lon: 89°25W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	21.4	-.2	10.6	53	1981	25	21.8	1990	-40	1982	16	1.4	1982	1688	0	.0	.0	.1	26.5	30.9	16.3
Feb	27.7	4.4	16.1	59+	2000	29	30.0	1998	-42	1996	3	7.3	1989	1371	0	.0	.0	.5	18.6	27.8	11.4
Mar	38.3	15.8	27.1	75	1986	31	37.2	2000	-36	1962	1	19.9	1996	1176	0	.0	.0	4.8	9.1	28.7	4.7
Apr	52.6	29.1	40.9	92	1952	28	47.4	1987	-4	1982	6	33.9	1975	725	0	.0	.0	17.4	1.1	20.0	@
May	66.8	41.2	54.0	90+	1977	12	62.8	1977	20+	1966	10	47.7	1973	367	25	.0	.1	29.3	@	5.8	.0
Jun	74.4	50.6	62.5	98	1995	18	68.0	1995	30+	1995	7	57.0	1982	128	52	.0	.8	29.9	.0	.2	.0
Jul	78.6	55.7	67.2	100	1995	13	72.0	1999	37+	1972	4	61.7	1992	50	117	@	1.5	31.0	.0	.0	.0
Aug	76.2	53.9	65.1	97+	1988	16	69.5	1995	36+	1986	27	60.1	1977	83	83	.0	.9	31.0	.0	.0	.0
Sep	66.9	44.9	55.9	95	1976	7	63.3	1998	24	1976	24	49.0	1974	283	11	.0	.1	29.2	.0	2.6	.0
Oct	54.6	34.1	44.4	92	1976	1	51.6	1971	11+	1988	30	38.2	1987	640	0	.0	@	21.1	.2	14.7	.0
Nov	37.9	21.6	29.8	73	1975	5	38.8	1999	-16	1976	30	20.9	1995	1057	0	.0	.0	4.7	9.8	26.8	1.1
Dec	25.3	7.2	16.3	62	1998	2	25.1	1997	-34	1983	18	3.7	1983	1512	0	.0	.0	.4	23.8	30.7	10.7
Ann	51.7	29.9	40.8	100	Jul 1995	13	72.0	Jul 1999	-42	Feb 1996	3	1.4	Jan 1982	9080	288	@	3.4	199.4	89.1	188.2	44.2

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

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096-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: RHINELANDER, WI

COOP ID: 477113

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,580 Feet Lat: 45°37N

Lon: 89°25W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.24	1.16	1.45	1950	13	3.15	1997	.14	1985	9.7	4.3	.3	@	.27	.38	.56	.73	.89	1.07	1.27	1.51	1.82	2.33	2.80
Feb	.87	.82	.91	1948	27	2.82	1971	.04	1993	6.9	2.9	.4	.0	.09	.16	.28	.40	.53	.68	.85	1.06	1.35	1.83	2.30
Mar	1.60	1.41	1.75	1973	7	4.09	1973	.15	1978	8.5	4.4	.9	.1	.28	.42	.66	.88	1.10	1.34	1.62	1.95	2.39	3.11	3.79
Apr	2.38	2.56	2.00	1984	29	4.33	1991	.65	1971	9.6	6.0	1.3	.3	.79	1.01	1.34	1.62	1.89	2.17	2.48	2.83	3.29	4.00	4.66
May	3.36	3.01	3.26	1958	31	7.50	1991	.56	1986	11.6	7.5	2.3	.6	.92	1.24	1.72	2.15	2.56	3.00	3.48	4.05	4.80	5.97	7.06
Jun	3.93	4.04	4.64	1981	13	10.22	1981	.85	1995	12.5	7.7	2.3	.8	1.37	1.74	2.28	2.73	3.17	3.61	4.10	4.67	5.40	6.52	7.56
Jul	4.04	3.88	8.27	2000	8	10.24	2000	.63	1989	11.6	7.5	2.5	1.1	.96	1.34	1.93	2.46	2.98	3.53	4.16	4.90	5.87	7.40	8.85
Aug	4.35	3.62	3.48	1978	15	9.15	1978	.82	1981	11.6	7.6	2.8	1.0	1.47	1.88	2.48	2.99	3.48	3.99	4.54	5.19	6.02	7.30	8.49
Sep	4.11	4.17	3.41	1994	13	8.51	1994	.40	1976	12.4	7.6	2.8	.9	.97	1.35	1.95	2.49	3.02	3.59	4.22	4.98	5.97	7.54	9.02
Oct	2.65	2.18	2.47	1979	22	5.90	1979	.43	1976	11.5	6.2	1.4	.6	.77	1.02	1.40	1.73	2.05	2.38	2.75	3.18	3.74	4.61	5.43
Nov	2.05	1.97	2.14	1977	7	4.87	1991	.27	1981	10.3	4.9	1.0	.4	.37	.55	.85	1.13	1.41	1.72	2.07	2.49	3.06	3.97	4.83
Dec	1.32	1.13	2.00	1987	18	3.46	1987	.35	1994	10.4	4.6	.3	@	.34	.46	.65	.82	.99	1.17	1.36	1.60	1.90	2.38	2.83
Ann	31.90	32.04	8.27	Jul 2000	8	10.24	Jul 2000	.04	Feb 1993	126.6	71.2	18.3	5.8	21.71	23.65	26.15	28.06	29.77	31.42	33.14	35.04	37.36	40.73	43.67

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: RHINELANDER, WI

COOP ID: 477113

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,580 Feet

Lat: 45°37N

Lon: 89°25W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	12.0	12.5	11	9	9.0	1971	4	24.0	1971	29	1971	31	21	1997	6.9	5.2	1.4	.3	.0	-9.9	-9.9	-9.9	-9.9
Feb	7.6	6.0	12	11	9.0	1971	5	18.1	2000	40	1971	11	33	1971	4.1	2.7	.7	.2	.0	-9.9	-9.9	-9.9	-9.9
Mar	6.4	3.5	7	5	11.5	1992	9	14.3	1972	34	1972	10	22	1972	2.9	2.5	.9	.3	@	14.1	12.4	10.4	7.2
Apr	1.9	.5	1	#	6.5	1972	22	7.5	1972	11	1972	5	4	1972	1.0	.7	.2	.1	.0	2.2	1.5	.9	.4
May	.2	.0	#	0	5.0	1979	5	5.0	1979	1	1997	16	#	1997	.1	@	@	@	.0	@	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	#	0	#	1974	21	#	1974	#	1985	30	#	1985	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.3	.0	#	0	2.0	1979	23	2.0+	2000	3	1990	10	#+	1997	.2	.1	.0	.0	.0	@	.0	.0	.0
Nov	2.5	1.7	1	1	12.0	1991	23	12.0	1991	15	1985	30	4	1991	2.6	1.4	.2	.1	.0	3.3	1.5	.9	.0
Dec	10.3	7.4	6	5	6.0	1995	13	21.5	1972	20+	1996	31	16	1985	6.0	4.7	1.1	.2	.0	24.6	19.6	10.6	1.1
Ann	41.2	31.6	N/A	N/A	12.0	Nov 1991	23	24.0	Jan 1971	40	Feb 1971	11	33	Feb 1971	23.8	17.3	4.5	1.2	@	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: RHINELANDER, WI

COOP ID: 477113

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,580 Feet

Lat: 45°37N

Lon: 89°25W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/13	6/09	6/07	6/04	6/02	5/31	5/29	5/26	5/22
32	6/03	5/29	5/26	5/24	5/21	5/19	5/16	5/13	5/08
28	5/16	5/12	5/09	5/07	5/04	5/02	4/30	4/27	4/23
24	5/05	4/30	4/26	4/23	4/20	4/17	4/14	4/10	4/05
20	4/24	4/20	4/17	4/15	4/12	4/10	4/08	4/05	4/01
16	4/16	4/11	4/08	4/06	4/03	4/01	3/29	3/26	3/21
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/03	9/07	9/10	9/12	9/14	9/17	9/19	9/22	9/26
32	9/12	9/16	9/19	9/21	9/23	9/25	9/27	9/30	10/04
28	9/24	9/29	10/02	10/04	10/07	10/10	10/12	10/15	10/20
24	10/05	10/10	10/15	10/18	10/22	10/25	10/29	11/02	11/08
20	10/18	10/23	10/27	10/30	11/02	11/05	11/08	11/12	11/17
16	10/25	10/29	11/02	11/04	11/07	11/10	11/12	11/16	11/20
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	119	114	110	107	103	100	97	93	87
32	142	136	131	128	124	121	117	113	107
28	172	166	162	158	155	152	148	144	138
24	210	201	194	189	184	179	173	167	158
20	223	216	211	207	203	199	195	190	183
16	236	230	225	221	217	213	209	205	198

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: RHINELANDER, WI

COOP ID: 477113

Climate Division: WI 2 NWS Call Sign: Elevation: 1,580 Feet Lat: 45°37N Lon: 89°25W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1688	1371	1176	725	367	128	50	83	283	640	1057	1512	9080
60	1533	1231	1021	579	248	55	11	25	164	490	907	1357	7621
57	1440	1147	928	493	190	28	4	10	109	403	817	1264	6833
55	1378	1091	866	438	155	17	0	4	79	349	757	1202	6336
50	1223	951	711	311	86	4	0	0	30	227	609	1047	5199
32	677	472	238	37	2	0	0	0	0	15	176	525	2142

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	12	26	86	302	683	914	1089	1024	717	397	108	36	5394
55	0	0	0	13	124	241	376	315	107	18	0	0	1194
57	0	0	0	8	96	192	319	259	76	11	0	0	961
60	0	0	0	4	62	129	233	181	42	5	0	0	656
65	0	0	0	0	25	52	117	83	11	0	0	0	288
70	0	0	0	0	8	13	42	25	1	0	0	0	89

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	1	19	136	458	688	860	796	490	194	22	1	0	1	20	156	614	1302	2162	2958	3448	3642	3664	3665
45	0	1	7	72	315	538	705	641	346	108	9	0	0	1	8	80	395	933	1638	2279	2625	2733	2742	2742
50	0	0	1	36	196	391	550	486	217	46	1	0	0	0	1	37	233	624	1174	1660	1877	1923	1924	1924
55	0	0	0	13	107	252	395	332	121	17	0	0	0	0	0	13	120	372	767	1099	1220	1237	1237	1237
60	0	0	0	5	48	139	245	190	58	3	0	0	0	0	0	5	53	192	437	627	685	688	688	688
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	18	106	292	427	550	497	289	123	15	0	0	1	19	125	417	844	1394	1891	2180	2303	2318	2318

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: RICE LAKE, WI

COOP ID: 477132

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,103 Feet Lat: 45°25N

Lon: 91°47W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	19.0	-1.2	8.9	52	1981	25	21.4	1990	-43+	1982	17	-2.1	1982	1740	0	.0	.0	@	25.6	30.8	16.0
Feb	26.0	5.9	16.0	55	1981	18	30.3	1998	-37+	1996	2	5.8	1989	1375	0	.0	.0	.5	17.5	27.5	9.9
Mar	37.5	19.8	28.7	80	1986	31	38.7	1973	-38	1962	1	19.1	1996	1126	0	.0	.0	5.1	8.1	27.0	3.6
Apr	53.9	33.0	43.5	90	1980	22	51.1	1977	2	1995	4	37.8	1995	647	1	.0	@	20.6	.6	16.1	.0
May	67.2	45.3	56.3	90+	2001	16	65.2	1977	15	1967	3	49.9	1983	307	36	.0	.0	30.4	.0	3.5	.0
Jun	76.1	54.1	65.1	98	1963	30	70.3	1988	28	1972	10	60.5	1985	86	89	.0	1.1	30.0	.0	.1	.0
Jul	80.1	58.8	69.5	100	1988	15	74.0	1988	36	1969	1	62.9	1992	29	167	@	2.9	31.0	.0	.0	.0
Aug	77.9	56.4	67.2	100+	1988	17	71.8	1988	34	1974	30	62.5	1992	52	120	.1	1.3	31.0	.0	.0	.0
Sep	68.1	47.1	57.6	95	1976	7	63.5	1998	22	1981	28	51.7	1993	242	19	.0	.2	29.5	.0	2.1	.0
Oct	56.3	36.2	46.3	87	1976	1	52.8	1971	9+	1981	26	41.2	1987	582	0	.0	.0	23.6	.2	12.1	.0
Nov	37.7	22.6	30.2	71+	1978	3	38.0	1999	-22	1976	30	21.9	1995	1045	0	.0	.0	5.2	9.3	25.8	1.3
Dec	23.2	6.6	14.9	60	2001	6	24.9	1997	-40	1983	19	2.2	1983	1554	0	.0	.0	.3	23.2	30.8	10.1
Ann	51.9	32.1	42.0	100+	Aug 1988	17	74.0	Jul 1988	-43+	Jan 1982	17	-2.1	Jan 1982	8785	432	.1	5.5	207.2	84.5	175.8	40.9

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

097-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: RICE LAKE, WI

COOP ID: 477132

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,103 Feet Lat: 45°25N

Lon: 91°47W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.08	.88	1.46	1996	18	2.96	1982	.03	1981	9.0	3.6	.2	@	.18	.27	.43	.57	.73	.89	1.08	1.32	1.63	2.13	2.61
Feb	.77	.64	1.20	1967	15	2.32	1981	.10	1997	6.5	2.6	.3	@	.11	.18	.29	.40	.51	.63	.77	.94	1.16	1.54	1.89
Mar	1.83	1.60	1.89	1991	23	3.80	1976	.39	1978	8.3	4.3	1.0	.3	.47	.65	.91	1.15	1.38	1.62	1.89	2.21	2.63	3.29	3.91
Apr	2.61	2.61	3.00	1954	26	5.32	1975	.16	1987	10.0	5.8	1.7	.5	.57	.81	1.20	1.54	1.89	2.26	2.67	3.17	3.82	4.86	5.85
May	3.12	2.93	2.05	1971	24	5.96	1973	.83	1976	11.5	6.9	2.2	.5	1.15	1.44	1.86	2.21	2.55	2.89	3.26	3.69	4.24	5.09	5.86
Jun	4.31	3.91	3.86	1951	24	8.24	1972	1.57	1987	11.9	7.5	2.9	1.0	1.61	2.01	2.59	3.07	3.53	4.00	4.51	5.10	5.85	7.00	8.06
Jul	3.88	3.42	3.04	1965	23	8.34	1999	1.10	1975	10.9	6.8	2.7	1.1	1.30	1.67	2.20	2.66	3.10	3.55	4.04	4.62	5.36	6.51	7.57
Aug	4.64	4.75	5.51	1960	27	10.17	1989	.71	1976	10.5	7.2	3.1	1.3	1.57	2.01	2.65	3.20	3.72	4.25	4.84	5.52	6.40	7.76	9.01
Sep	4.17	3.79	2.55	1994	15	8.30	1985	1.47	1976	10.9	6.9	2.9	1.2	1.49	1.88	2.45	2.93	3.38	3.85	4.36	4.95	5.71	6.88	7.95
Oct	2.50	2.31	2.45	1968	9	5.08	1982	.62	1976	9.3	5.5	1.6	.5	.67	.91	1.27	1.59	1.90	2.23	2.59	3.01	3.57	4.45	5.27
Nov	2.05	1.51	2.48	1991	1	6.27	1991	.22	1976	8.9	4.5	1.3	.6	.26	.43	.72	1.01	1.31	1.64	2.03	2.51	3.16	4.22	5.25
Dec	1.07	.98	1.62	1982	28	3.46	1982	.24	1976	8.4	3.1	.4	.1	.21	.31	.47	.61	.76	.91	1.09	1.30	1.58	2.03	2.46
Ann	32.03	32.67	5.51	Aug 1960	27	10.17	Aug 1989	.03	Jan 1981	116.1	64.7	20.3	7.1	22.93	24.69	26.95	28.66	30.18	31.65	33.17	34.84	36.87	39.81	42.35

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

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** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

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Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: RICE LAKE, WI

COOP ID: 477132

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,103 Feet

Lat: 45°25N

Lon: 91°47W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	12.2	11.4	11	10	8.5	1988	20	32.6	1982	44	1982	26	26	1982	8.2	4.7	1.2	.4	.0	29.0	25.4	23.2	13.5
Feb	7.4	6.1	12	9	10.0	1971	5	22.0	1971	45	1971	15	38	1971	4.9	2.9	.6	.1	@	25.0	22.8	20.3	13.2
Mar	8.8	6.3	5	3	13.0	1996	25	35.6	1985	33	1972	10	20	1971	3.9	2.5	1.1	.7	.1	14.2	10.4	7.1	4.0
Apr	2.7	1.4	#	#	14.0	1982	20	15.8	1982	10	1975	2	2	1996	1.4	1.0	.2	.1	@	1.6	.7	.4	.0
May	.0	.0	#	0	.5	1989	6	.5+	1991	#+	1989	6	#+	1989	.1	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	0	0	#	1985	24	#+	1985	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.6	.0	#	0	4.0	1987	22	4.0	1987	3	1991	31	#+	1997	.3	.2	.1	.0	.0	.2	.1	.0	.0
Nov	5.6	4.3	1	1	12.0	1991	1	19.7	1985	15	1985	30	5	1991	3.5	2.4	.7	.2	.1	6.8	3.3	2.0	.3
Dec	10.5	9.1	5	4	12.0	1985	1	22.2	1985	28	1985	5	22	1985	6.9	3.7	.9	.3	.1	23.7	18.5	12.1	4.7
Ann	47.8	38.6	N/A	N/A	14.0	Apr 1982	20	35.6	Mar 1985	45	Feb 1971	15	38	Feb 1971	29.2	17.4	4.8	1.8	.3	100.5	81.2	65.1	35.7

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

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Climatography of the United States

No. 20 1971-2000

Station: RICE LAKE, WI

COOP ID: 477132

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,103 Feet

Lat: 45°25N

Lon: 91°47W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/12	6/06	6/02	5/30	5/27	5/23	5/20	5/16	5/10
32	6/02	5/27	5/22	5/18	5/14	5/11	5/07	5/02	4/25
28	5/20	5/13	5/08	5/04	4/30	4/26	4/21	4/16	4/09
24	5/05	4/30	4/26	4/22	4/19	4/16	4/12	4/08	4/03
20	4/24	4/19	4/16	4/14	4/11	4/08	4/06	4/03	3/29
16	4/17	4/12	4/09	4/05	4/03	3/31	3/28	3/24	3/19
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/05	9/09	9/12	9/14	9/16	9/19	9/21	9/24	9/28
32	9/14	9/18	9/21	9/23	9/26	9/28	10/01	10/04	10/08
28	9/20	9/25	9/28	10/01	10/04	10/07	10/09	10/13	10/17
24	9/30	10/06	10/10	10/14	10/17	10/21	10/24	10/28	11/03
20	10/13	10/19	10/23	10/27	10/30	11/02	11/06	11/10	11/16
16	10/21	10/26	10/30	11/03	11/06	11/09	11/13	11/17	11/22
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	134	126	121	116	112	108	103	98	91
32	155	148	143	138	134	129	125	119	112
28	182	174	167	162	157	152	146	140	131
24	209	200	192	186	181	175	169	162	152
20	225	217	211	206	201	196	191	185	177
16	242	234	227	222	217	212	206	200	191

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: RICE LAKE, WI

COOP ID: 477132

Climate Division: WI 1 NWS Call Sign: Elevation: 1,103 Feet Lat: 45°25N Lon: 91°47W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1740	1375	1126	647	307	86	29	52	242	582	1045	1554	8785
60	1585	1235	971	501	199	31	6	14	133	431	895	1399	7400
57	1492	1151	878	418	146	14	0	4	85	345	805	1306	6644
55	1430	1095	816	365	116	8	0	2	60	291	745	1244	6172
50	1275	955	664	245	58	1	0	0	19	176	598	1089	5080
32	730	481	217	19	0	0	0	0	0	6	173	566	2192

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	12	31	114	363	752	993	1162	1091	768	447	118	35	5886
55	0	0	0	19	155	311	449	379	137	19	0	0	1469
57	0	0	0	12	124	257	387	320	103	11	0	0	1214
60	0	0	0	6	83	184	300	236	61	4	0	0	874
65	0	0	0	1	36	89	167	120	19	0	0	0	432
70	0	0	0	0	13	29	76	45	4	0	0	0	167

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	29	191	530	759	921	853	548	240	30	1	0	0	29	220	750	1509	2430	3283	3831	4071	4101	4102
45	0	0	10	104	382	609	766	698	401	136	8	0	0	0	10	114	496	1105	1871	2569	2970	3106	3114	3114
50	0	0	2	50	251	459	611	543	268	64	2	0	0	0	2	52	303	762	1373	1916	2184	2248	2250	2250
55	0	0	0	21	144	314	456	388	164	28	0	0	0	0	0	21	165	479	935	1323	1487	1515	1515	1515
60	0	0	0	7	69	188	306	240	81	5	0	0	0	0	0	7	76	264	570	810	891	896	896	896
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	19	133	332	484	607	551	334	145	15	0	0	0	19	152	484	968	1575	2126	2460	2605	2620	2620

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: RICHLAND CENTER, WI

COOP ID: 477158

Climate Division: WI 7

NWS Call Sign:

Elevation: 723 Feet Lat: 43°19N Lon: 90°23W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	26.3	4.5	15.4	56+	1981	25	26.6	1990	-46	1951	30	2.2	1977	1537	0	.0	.0	.6	21.0	30.7	11.6
Feb	32.4	9.8	21.1	63+	2000	27	33.6	1998	-40	1951	2	9.7	1979	1229	0	.0	.0	2.0	13.8	27.1	6.9
Mar	43.8	21.8	32.8	84	1986	30	40.8	1973	-30	1962	1	25.0	1975	998	0	.0	.0	9.4	4.6	25.1	1.4
Apr	57.6	33.5	45.6	93	1980	23	51.7	1977	0	1982	6	40.3	1975	585	1	.0	@	22.4	.2	13.8	@
May	70.1	44.0	57.1	93	1949	5	65.2	1977	21	1966	10	50.9	1997	278	31	.0	.6	30.5	.0	2.9	.0
Jun	79.2	53.6	66.4	103	1988	21	71.5	1971	33	1993	1	60.5	1982	59	101	.1	2.9	30.0	.0	.0	.0
Jul	83.5	58.3	70.9	102	1988	16	74.8	1977	38	1972	6	65.5	1992	16	198	.1	6.3	31.0	.0	.0	.0
Aug	80.7	56.2	68.5	102+	1988	18	74.9	1995	33	1986	28	63.0	1992	50	156	.1	3.1	31.0	.0	.0	.0
Sep	72.5	46.8	59.7	99	1955	9	64.2	1998	23	1949	29	54.3	1993	184	23	.0	.8	29.9	.0	1.4	.0
Oct	60.8	35.0	47.9	91+	1976	2	56.2	1971	12	1952	29	41.5	1988	532	2	.0	@	27.1	.1	11.8	.0
Nov	44.2	23.3	33.8	77	1964	3	41.9	1999	-13	1977	26	26.2	1976	937	0	.0	.0	10.7	4.1	23.8	.7
Dec	31.0	11.0	21.0	64	1998	6	28.5	1998	-31	1950	27	7.9	1983	1363	0	.0	.0	1.3	15.6	29.9	6.6
Ann	56.8	33.2	45.0	103	Jun 1988	21	74.9	Aug 1995	-46	Jan 1951	30	2.2	Jan 1977	7768	512	.3	13.7	225.9	59.4	166.5	27.2

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

098-A

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: RICHLAND CENTER, WI

COOP ID: 477158

Climate Division: WI 7

NWS Call Sign:

Elevation: 723 Feet

Lat: 43°19N

Lon: 90°23W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.18	1.08	1.03	1988	20	2.71	1996	.08	1981	9.0	4.0	.3	@	.24	.35	.52	.68	.84	1.01	1.21	1.44	1.75	2.25	2.72
Feb	1.12	.96	1.47	1966	8	3.59	1971	.02	1996	7.2	3.3	.6	.1	.06	.13	.26	.42	.59	.79	1.04	1.35	1.79	2.55	3.30
Mar	2.19	1.86	3.29	1998	31	6.16	1998	.00	1996	8.3	4.9	1.3	.4	.23	.50	.86	1.18	1.50	1.85	2.24	2.71	3.33	4.33	5.29
Apr	3.96	3.30	3.00	1999	3	11.82	1999	.95	1997	11.7	7.7	2.5	1.0	1.26	1.63	2.19	2.66	3.12	3.60	4.12	4.73	5.52	6.74	7.88
May	3.86	3.80	3.68	2000	18	7.96	2000	.60	1981	11.0	7.1	2.7	.8	1.31	1.67	2.21	2.66	3.09	3.54	4.03	4.60	5.33	6.46	7.51
Jun	4.34	3.71	4.71	1967	28	10.85	1998	.63	1988	10.7	7.0	2.9	1.2	.94	1.34	1.98	2.56	3.14	3.75	4.44	5.28	6.37	8.12	9.77
Jul	4.79	3.37	4.92	1978	1	12.81	1978	1.22	1990	10.4	6.6	3.2	1.7	1.11	1.56	2.26	2.89	3.51	4.17	4.92	5.80	6.96	8.81	10.55
Aug	4.37	4.42	5.43	2001	2	9.40	1972	.79	1976	10.8	7.0	3.0	1.4	1.26	1.68	2.31	2.85	3.38	3.93	4.54	5.26	6.19	7.65	9.00
Sep	3.71	3.64	3.38	1961	30	10.25	1992	.27	1979	10.4	6.4	2.3	1.0	.59	.91	1.44	1.96	2.49	3.06	3.73	4.53	5.62	7.37	9.06
Oct	2.25	2.19	2.86	1959	24	5.51	1984	.41	1975	9.6	5.1	1.7	.4	.64	.86	1.18	1.46	1.74	2.02	2.34	2.71	3.19	3.95	4.65
Nov	2.51	2.22	3.08	1982	12	6.10	1982	.13	1976	9.9	5.3	1.6	.3	.48	.70	1.07	1.41	1.76	2.13	2.55	3.06	3.74	4.82	5.85
Dec	1.32	1.25	1.14+	1971	15	2.68	1982	.22	1996	9.2	3.8	.7	.1	.30	.43	.62	.79	.96	1.15	1.35	1.60	1.92	2.43	2.91
Ann	35.60	36.15	5.43	Aug 2001	2	12.81	Jul 1978	.00	Mar 1996	118.2	68.2	22.8	8.4	25.62	27.56	30.05	31.93	33.60	35.21	36.88	38.72	40.94	44.17	46.95

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: RICHLAND CENTER, WI

COOP ID: 477158

Climate Division: WI 7

NWS Call Sign:

Elevation: 723 Feet

Lat: 43°19N

Lon: 90°23W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	11.6	8.5	5	3	12.0	1996	27	31.5	1979	23+	1979	24	17	1971	6.1	4.0	1.2	.4	@	23.6	16.1	11.6	5.1
Feb	8.4	7.5	5	3	7.0	1971	5	27.1	1994	22	1971	9	17	1979	4.7	3.0	1.0	.3	.0	19.9	14.2	10.8	4.2
Mar	5.9	5.8	2	1	10.0	1998	9	17.5	1971	12+	1998	10	6	1975	2.6	2.0	.7	.2	@	9.6	5.7	3.3	.4
Apr	2.1	.9	#	#	12.0	1973	9	15.3	1973	12	1973	9	1	1973	1.1	.9	.2	.1	@	1.0	.2	.2	@
May	#	.0	0	0	#	1976	3	#	1976	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	#	0	2.5	1997	27	2.5	1997	#+	1997	26	#+	1997	@	@	.0	.0	.0	.0	.0	.0	.0
Nov	5.2	3.4	#	#	9.0	1985	9	24.5	1985	10	1977	29	2	1985	2.2	1.9	.6	.2	.0	3.8	1.6	.8	.1
Dec	8.7	7.5	3	2	8.0	1985	1	22.8	1985	21	1985	26	16	1985	5.1	3.3	.9	.3	.0	16.1	8.2	4.5	2.3
Ann	42.0	33.6	N/A	N/A	12.0+	Jan 1996	27	31.5	Jan 1979	23+	Jan 1979	24	17+	Feb 1979	21.8	15.1	4.6	1.5	@	74.0	46.0	31.2	12.1

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: RICHLAND CENTER, WI

COOP ID: 477158

Climate Division: WI 7

NWS Call Sign:

Elevation: 723 Feet

Lat: 43° 19N

Lon: 90° 23W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/10	6/04	5/31	5/28	5/25	5/22	5/19	5/15	5/09
32	5/22	5/18	5/15	5/13	5/10	5/08	5/05	5/02	4/28
28	5/14	5/09	5/05	5/02	4/29	4/26	4/23	4/19	4/14
24	4/25	4/21	4/18	4/15	4/13	4/11	4/08	4/05	4/01
20	4/17	4/13	4/10	4/08	4/06	4/03	4/01	3/29	3/25
16	4/13	4/08	4/04	3/31	3/28	3/25	3/22	3/18	3/13
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/07	9/12	9/15	9/18	9/20	9/23	9/25	9/29	10/03
32	9/15	9/20	9/23	9/26	9/28	10/01	10/03	10/07	10/11
28	9/25	9/29	10/02	10/05	10/08	10/10	10/13	10/16	10/21
24	10/05	10/11	10/14	10/18	10/21	10/23	10/27	10/30	11/05
20	10/17	10/21	10/25	10/28	10/31	11/03	11/06	11/09	11/14
16	10/22	10/29	11/02	11/06	11/10	11/14	11/18	11/22	11/29
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	137	130	125	121	118	114	110	105	98
32	156	151	147	143	140	137	134	130	125
28	180	173	169	165	161	157	153	148	142
24	210	203	198	194	190	186	181	176	169
20	227	221	216	211	208	204	199	194	188
16	253	244	237	231	226	221	215	208	199

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: RICHLAND CENTER, WI

COOP ID: 477158

Climate Division: WI 7 NWS Call Sign: Elevation: 723 Feet Lat: 43°19N Lon: 90°23W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1537	1229	998	585	278	59	16	50	184	532	937	1363	7768
60	1382	1089	843	439	171	17	1	14	86	386	787	1208	6423
57	1289	1005	750	356	120	7	0	5	47	305	697	1115	5696
55	1227	949	688	303	92	3	0	2	30	256	638	1053	5241
50	1072	809	541	188	40	0	0	0	6	153	494	898	4201
32	551	364	134	6	0	0	0	0	0	6	111	403	1575

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	37	59	159	412	776	1032	1206	1130	829	499	164	63	6366
55	0	0	0	19	155	345	493	419	169	36	1	0	1637
57	0	0	0	11	121	289	431	360	126	23	0	0	1361
60	0	0	0	5	79	209	339	276	75	11	0	0	994
65	0	0	0	1	31	101	198	156	23	2	0	0	512
70	0	0	0	0	10	33	93	73	4	0	0	0	213

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	1	61	236	552	814	979	907	624	294	60	4	0	1	62	298	850	1664	2643	3550	4174	4468	4528	4532
45	0	0	27	134	403	664	824	752	476	183	24	0	0	0	27	161	564	1228	2052	2804	3280	3463	3487	3487
50	0	0	9	67	263	514	669	597	331	96	6	0	0	0	9	76	339	853	1522	2119	2450	2546	2552	2552
55	0	0	4	32	150	366	514	442	207	44	1	0	0	0	4	36	186	552	1066	1508	1715	1759	1760	1760
60	0	0	0	15	74	230	361	292	115	13	0	0	0	0	0	15	89	319	680	972	1087	1100	1100	1100
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	42	164	354	527	648	589	395	199	41	2	0	1	43	207	561	1088	1736	2325	2720	2919	2960	2962

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: RIDGELAND 1 NNE, WI

COOP ID: 477174

Climate Division: WI 4

NWS Call Sign:

Elevation: 960 Feet Lat: 45° 13N Lon: 91° 53W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	18.8	-1.9	8.5	54	1981	25	21.6	1990	-47	1977	9	-3.6	1977	1754	0	.0	.0	.1	25.1	30.8	15.8
Feb	25.6	3.8	14.7	59	1981	18	29.8	1998	-38	1996	1	3.1	1979	1409	0	.0	.0	.6	17.0	27.7	10.3
Mar	37.4	17.2	27.3	80+	1986	31	37.1	2000	-41	1962	1	18.5	1975	1169	0	.0	.0	5.5	7.6	27.4	3.6
Apr	54.2	30.6	42.4	91	1980	22	48.2	1977	2	1975	4	35.0	1975	678	0	.0	@	21.2	.5	17.0	.0
May	67.3	42.5	54.9	92	1986	31	62.4	1977	16	1967	3	48.5	1997	336	23	.0	.2	30.5	.0	4.7	.0
Jun	75.8	52.8	64.3	96	1986	19	69.3	1988	29+	1972	10	58.8	1982	97	74	.0	1.2	30.0	.0	.2	.0
Jul	79.8	57.3	68.6	100+	1988	27	74.0	1988	37	1972	4	62.9	1992	36	146	.1	3.1	31.0	.0	.0	.0
Aug	77.2	55.1	66.2	101+	1988	2	71.4	1988	32+	1986	28	62.2	1992	65	101	.1	1.4	31.0	.0	.1	.0
Sep	68.0	45.4	56.7	96	1976	7	62.7	1998	21	1967	29	49.9	1993	262	12	.0	.3	29.6	.0	2.3	.0
Oct	56.4	34.2	45.3	88	1976	1	51.2+	1973	6	1976	27	40.3	1976	611	0	.0	.0	24.5	.2	13.5	.0
Nov	37.9	21.0	29.5	71+	1999	14	38.7	1999	-21	1964	30	21.6	1985	1066	0	.0	.0	6.1	8.2	25.9	1.5
Dec	23.4	5.9	14.7	61+	1998	3	24.4	1997	-42	1983	19	2.3	1983	1562	0	.0	.0	.4	21.5	30.8	9.9
Ann	51.8	30.3	41.1	101+	Aug 1988	2	74.0	Jul 1988	-47	Jan 1977	9	-3.6	Jan 1977	9045	356	.2	6.2	210.5	80.1	180.4	41.1

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

099-A

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: RIDGELAND 1 NNE, WI

COOP ID: 477174

Climate Division: WI 4

NWS Call Sign:

Elevation: 960 Feet

Lat: 45°13N

Lon: 91°53W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.11	.91	1.80	1982	23	3.92	1982	.02	1981	7.5	3.4	.4	.1	.16	.26	.42	.57	.73	.90	1.11	1.35	1.68	2.22	2.74
Feb	.81	.72	1.41	1953	20	3.22	1981	.10	1987	5.6	2.5	.4	.0	.14	.21	.33	.44	.55	.67	.81	.98	1.21	1.58	1.93
Mar	2.13	1.87	1.82	1990	14	6.62	1998	.32	1978	7.6	4.7	1.4	.3	.46	.66	.97	1.25	1.53	1.83	2.17	2.58	3.12	3.97	4.78
Apr	2.76	2.64	3.04	1975	27	5.67	1975	.38	1987	8.7	5.8	2.1	.4	.85	1.11	1.50	1.83	2.16	2.50	2.87	3.31	3.87	4.75	5.56
May	3.38	3.40	1.88	1959	5	6.58	1991	.83	1976	10.4	6.5	2.5	.6	1.30	1.61	2.06	2.43	2.79	3.15	3.53	3.99	4.56	5.44	6.25
Jun	4.37	3.89	3.78	1953	20	8.31	1979	1.71	1988	11.2	7.8	2.8	1.0	1.64	2.05	2.63	3.12	3.59	4.06	4.57	5.17	5.93	7.10	8.17
Jul	3.82	3.60	3.75	1949	27	9.24	1997	1.21	1976	11.0	7.5	2.4	.8	1.23	1.59	2.13	2.58	3.02	3.48	3.98	4.56	5.32	6.49	7.57
Aug	4.95	4.71	5.25	1990	18	9.09	1995	1.76	1976	9.9	6.7	3.0	1.6	2.19	2.63	3.25	3.75	4.22	4.69	5.19	5.77	6.50	7.61	8.61
Sep	3.71	3.48	3.27	1978	12	9.34	1986	1.26	1976	10.5	6.6	2.6	1.0	1.06	1.41	1.94	2.41	2.86	3.33	3.85	4.46	5.26	6.51	7.67
Oct	2.49	2.55	2.48	1985	4	5.13	1995	.60	1978	8.5	5.6	1.4	.5	.73	.97	1.32	1.63	1.93	2.24	2.59	2.99	3.52	4.34	5.11
Nov	2.09	1.57	2.75	1991	1	6.01	2000	.03	1976	7.7	4.6	1.5	.5	.26	.43	.72	1.01	1.32	1.66	2.06	2.55	3.21	4.30	5.35
Dec	1.08	.96	2.10	1965	12	2.68	1982	.27	1999	6.5	3.3	.6	.1	.24	.34	.50	.65	.79	.94	1.11	1.32	1.58	2.01	2.41
Ann	32.70	33.21	5.25	Aug 1990	18	9.34	Sep 1986	.02	Jan 1981	105.1	65.0	21.1	6.9	23.31	25.13	27.46	29.22	30.79	32.31	33.87	35.60	37.70	40.74	43.37

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: RIDGELAND 1 NNE, WI

COOP ID: 477174

Climate Division: WI 4

NWS Call Sign:

Elevation: 960 Feet

Lat: 45° 13N

Lon: 91° 53W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	10.2	9.0	9	8	10.0	1982	23	25.9	1982	31	1982	24	17	1982	5.9	4.1	1.4	.4	@	28.6	26.4	23.5	11.8
Feb	6.7	6.0	10	9	8.0	1990	16	13.5	1971	32	1979	21	25	1979	3.9	2.6	.7	.1	.0	25.8	24.5	20.9	11.5
Mar	10.7	10.3	5	5	11.0	1997	14	28.5	1985	24+	1989	5	15	1989	3.6	2.8	1.3	.6	.1	18.9	15.3	11.8	6.4
Apr	1.9	.9	#	#	7.0	1992	10	9.0	1983	10	1975	4	5	1975	1.0	.7	.2	@	.0	2.2	1.1	.5	.1
May	#	.0	#	0	#	1976	2	#+	1976	#	1984	1	#	1984	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	0	0	#	1985	24	#	1985	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.3	.0	#	0	2.0	1979	22	2.0+	1987	1	1992	20	#+	1997	.3	.2	.0	.0	.0	.1	.0	.0	.0
Nov	5.0	6.3	1	1	8.0	1993	26	13.0	1993	12	1985	30	4	1991	2.8	2.2	.5	.2	.0	6.3	2.5	1.9	.3
Dec	8.9	8.0	5	3	7.0	1982	28	20.5	1996	18+	2000	30	13	1985	5.2	3.6	.9	.3	.0	23.1	16.8	11.3	4.5
Ann	43.7	40.5	N/A	N/A	11.0	Mar 1997	14	28.5	Mar 1985	32	Feb 1979	21	25	Feb 1979	22.7	16.2	5.0	1.6	.1	105.0	86.6	69.9	34.6

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: RIDGELAND 1 NNE, WI

COOP ID: 477174

Climate Division: WI 4

NWS Call Sign:

Elevation: 960 Feet

Lat: 45° 13N

Lon: 91° 53W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/18	6/12	6/08	6/04	6/01	5/29	5/25	5/21	5/15
32	6/07	6/01	5/28	5/25	5/21	5/18	5/14	5/10	5/04
28	5/20	5/15	5/11	5/07	5/04	5/01	4/28	4/24	4/18
24	5/08	5/03	4/29	4/26	4/23	4/20	4/16	4/13	4/08
20	4/22	4/18	4/15	4/12	4/09	4/06	4/04	3/31	3/27
16	4/16	4/11	4/08	4/05	4/02	3/30	3/28	3/24	3/19
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/30	9/04	9/07	9/10	9/13	9/15	9/18	9/22	9/26
32	9/09	9/14	9/17	9/20	9/23	9/25	9/28	10/01	10/06
28	9/22	9/25	9/28	9/30	10/02	10/04	10/07	10/09	10/13
24	9/28	10/04	10/07	10/11	10/14	10/17	10/20	10/24	10/29
20	10/12	10/17	10/20	10/23	10/26	10/28	10/31	11/03	11/08
16	10/18	10/23	10/28	10/31	11/03	11/07	11/10	11/14	11/20
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	127	119	113	108	103	98	93	87	79
32	145	138	132	128	124	120	115	110	103
28	170	163	158	154	150	147	142	138	131
24	198	189	183	178	173	169	163	157	149
20	218	211	207	203	199	195	191	187	180
16	238	230	224	219	214	210	205	199	191

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: RIDGELAND 1 NNE, WI

COOP ID: 477174

Climate Division: WI 4 NWS Call Sign: Elevation: 960 Feet Lat: 45°13N Lon: 91°53W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1754	1409	1169	678	336	97	36	65	262	611	1066	1562	9045
60	1599	1269	1014	531	218	36	8	18	146	458	916	1407	7620
57	1506	1185	921	446	161	17	1	6	93	370	826	1314	6846
55	1444	1129	859	392	128	9	0	3	65	314	766	1252	6361
50	1289	989	707	268	64	2	0	0	21	192	619	1097	5248
32	745	519	251	25	0	0	0	0	0	7	188	571	2306

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	14	33	105	338	710	968	1134	1059	741	420	112	33	5667
55	0	0	0	14	124	287	421	349	116	13	0	0	1324
57	0	0	0	9	95	235	359	290	84	7	0	0	1079
60	0	0	0	4	60	164	273	209	47	2	0	0	759
65	0	0	0	0	23	74	146	101	12	0	0	0	356
70	0	0	0	0	6	22	62	35	2	0	0	0	127

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	29	189	516	752	914	846	548	237	34	1	0	0	29	218	734	1486	2400	3246	3794	4031	4065	4066
45	0	0	11	105	372	602	759	691	403	137	13	0	0	0	11	116	488	1090	1849	2540	2943	3080	3093	3093
50	0	0	2	52	239	453	604	536	270	67	2	0	0	0	2	54	293	746	1350	1886	2156	2223	2225	2225
55	0	0	0	23	134	313	449	381	157	27	0	0	0	0	0	23	157	470	919	1300	1457	1484	1484	1484
60	0	0	0	7	66	182	299	236	78	5	0	0	0	0	0	7	73	255	554	790	868	873	873	873
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	23	142	335	484	600	548	338	153	21	0	0	0	23	165	500	984	1584	2132	2470	2623	2644	2644

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: RIVER FALLS, WI

COOP ID: 477226

Climate Division: WI 4

NWS Call Sign:

Elevation: 915 Feet Lat: 44°51N Lon: 92°37W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	21.6	.8	11.2	51+	1981	25	24.8	1990	-42	1951	30	-1.5	1977	1667	0	.0	.0	.1	23.3	30.9	13.7
Feb	28.5	6.8	17.7	57	1981	18	30.8	1998	-36	1951	1	7.3+	1979	1326	0	.0	.0	.6	15.8	26.9	8.5
Mar	40.8	18.9	29.9	81+	1986	31	38.5	2000	-31	1962	1	21.3	1975	1090	0	.0	.0	6.8	6.5	25.4	2.2
Apr	57.1	31.5	44.3	92+	1980	21	51.2	1977	5+	1995	5	37.0	1975	622	1	.0	.1	22.5	.4	13.5	.0
May	69.8	43.3	56.6	94+	2001	16	64.9	1977	19	1967	3	50.2	1997	295	32	.0	.2	30.5	.0	2.2	.0
Jun	78.9	53.9	66.4	99+	1988	24	72.6	1988	33	1993	1	61.3	1982	69	110	.0	2.2	30.0	.0	.0	.0
Jul	83.1	58.2	70.7	102+	1988	31	75.2	1988	37	1965	10	64.0	1992	22	198	.2	4.2	31.0	.0	.0	.0
Aug	80.7	56.2	68.5	101	1988	16	73.4	1988	34	1950	20	64.1	1992	36	143	.1	2.0	31.0	.0	.0	.0
Sep	71.7	46.8	59.3	95+	1976	7	64.7	1998	23	1974	22	53.8	1993	196	22	.0	.5	29.6	.0	.9	.0
Oct	59.6	35.7	47.7	90	1997	4	53.9	1973	9	1952	20	42.4	1988	539	0	.0	@	25.6	.2	9.0	.0
Nov	40.6	22.1	31.4	77	1999	9	39.2	1999	-19	1952	28	22.9	1991	1010	0	.0	.0	7.0	7.5	23.5	1.0
Dec	26.1	8.2	17.2	66	1998	2	25.8	1997	-36	1983	19	3.0	1983	1484	0	.0	.0	.4	20.5	30.3	8.0
Ann	54.9	31.9	43.4	102+	Jul 1988	31	75.2	Jul 1988	-42	Jan 1951	30	-1.5	Jan 1977	8356	506	.3	9.2	215.1	74.2	162.6	33.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: RIVER FALLS, WI

COOP ID: 477226

Climate Division: WI 4

NWS Call Sign:

Elevation: 915 Feet

Lat: 44°51N

Lon: 92°37W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.82	.73	1.53	1996	20	2.28	1996	.06	1974	7.9	3.0	.1	@	.12	.19	.30	.42	.54	.67	.82	1.00	1.25	1.65	2.04
Feb	.66	.66	.77+	2001	25	2.38	1981	.04	1987	6.0	2.3	.2	.0	.08	.13	.22	.31	.41	.52	.65	.81	1.03	1.38	1.73
Mar	1.53	1.20	2.13	1998	28	4.20	1998	.13	1994	8.9	4.1	.8	.2	.32	.46	.69	.89	1.10	1.32	1.56	1.86	2.26	2.89	3.48
Apr	2.46	2.53	2.84	1954	15	5.04	1986	.35	1987	10.3	5.9	1.4	.3	.74	.98	1.32	1.62	1.92	2.22	2.55	2.95	3.45	4.25	4.98
May	3.52	3.30	2.47	1979	30	6.91	1991	.52	1976	11.4	7.5	2.4	.7	1.14	1.48	1.97	2.39	2.79	3.21	3.67	4.21	4.90	5.97	6.96
Jun	4.39	4.11	7.37	1965	1	8.88	1990	.46	1988	11.6	8.0	3.0	1.1	1.37	1.79	2.41	2.94	3.46	3.99	4.57	5.26	6.14	7.52	8.79
Jul	4.36	4.38	4.75	1978	1	10.48	1987	1.10	1974	10.5	6.8	2.8	1.4	1.34	1.75	2.37	2.90	3.42	3.95	4.54	5.23	6.12	7.51	8.80
Aug	4.56	4.44	4.67	1977	31	8.90	1975	1.83	1976	10.4	6.4	2.8	1.5	1.99	2.40	2.97	3.43	3.87	4.31	4.78	5.33	6.01	7.05	7.99
Sep	3.29	3.08	3.42	1968	23	8.61	1986	.45	2000	9.6	6.0	2.4	.7	.78	1.09	1.57	2.00	2.43	2.88	3.39	3.99	4.78	6.03	7.21
Oct	2.41	2.11	3.84	1996	17	6.51	1996	.46	1978	8.9	5.2	1.2	.4	.52	.74	1.09	1.41	1.73	2.08	2.46	2.93	3.54	4.51	5.43
Nov	1.71	1.33	1.72	1996	16	5.38	1996	.04	1976	8.1	4.0	1.0	.3	.20	.34	.58	.82	1.07	1.35	1.68	2.09	2.64	3.55	4.43
Dec	.82	.58	1.53	1982	28	3.30	1982	.13	1986	7.7	3.0	.2	.1	.14	.21	.33	.44	.56	.69	.83	1.01	1.24	1.62	1.99
Ann	30.53	30.91	7.37	Jun 1965	1	10.48	Jul 1987	.04+	Feb 1987	111.3	62.2	18.3	6.7	21.67	23.39	25.59	27.26	28.74	30.17	31.65	33.29	35.28	38.16	40.66

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: RIVER FALLS, WI

COOP ID: 477226

Climate Division: WI 4

NWS Call Sign:

Elevation: 915 Feet

Lat: 44° 51N

Lon: 92° 37W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	10.8	8.8	9	8	15.0	1982	20	32.2	1982	27	1982	23	18	1984	6.9	3.5	1.1	.4	@	28.2	25.9	22.1	8.9
Feb	7.4	7.7	10	8	6.5	1983	2	16.1	1981	26	1982	6	21	1979	4.9	2.4	1.0	.2	.0	25.3	22.9	19.7	12.9
Mar	8.5	8.8	5	4	15.0	1999	9	23.7	1989	23	1979	11	15	1979	4.8	2.9	1.1	.5	.1	16.0	12.1	10.2	5.3
Apr	2.9	1.2	#	#	14.0	1983	14	20.5	1983	14	1983	14	3	1975	1.4	.9	.2	.1	@	1.2	.7	.5	.2
May	.0	.0	#	0	1.0	1976	2	1.0	1976	#+	1996	6	#+	1996	.1	@	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	#	0	.0	0	0	.0	0	#	1994	28	#	1994	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.3	1985	24	.3	1985	0	0	0	0	0	@	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.5	.0	#	0	4.0	1991	31	4.0	1991	4	1991	31	#+	1997	.6	.2	@	.0	.0	@	@	.0	.0
Nov	7.9	6.2	1	1	11.0	1983	23	25.2	1983	18	1983	30	8	1991	4.1	2.5	1.0	.3	.1	7.0	3.9	2.1	.8
Dec	8.5	6.5	5	4	11.0	1982	28	19.1	1972	22	1983	30	20	1983	6.4	2.9	.8	.4	@	23.6	14.3	9.4	3.6
Ann	46.5	39.2	N/A	N/A	15.0+	Mar 1999	9	32.2	Jan 1982	27	Jan 1982	23	21	Feb 1979	29.2	15.3	5.2	1.9	.2	101.3	79.8	64.0	31.7

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: RIVER FALLS, WI

COOP ID: 477226

Climate Division: WI 4

NWS Call Sign:

Elevation: 915 Feet

Lat: 44°51N

Lon: 92°37W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/06	6/01	5/28	5/24	5/21	5/18	5/14	5/10	5/05
32	5/20	5/15	5/12	5/09	5/07	5/04	5/01	4/28	4/23
28	5/08	5/03	4/30	4/28	4/25	4/22	4/20	4/17	4/12
24	4/28	4/23	4/20	4/17	4/14	4/12	4/09	4/05	4/01
20	4/17	4/13	4/10	4/07	4/05	4/03	3/31	3/28	3/24
16	4/12	4/07	4/03	3/30	3/27	3/24	3/21	3/17	3/12
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/10	9/14	9/17	9/19	9/21	9/24	9/26	9/29	10/03
32	9/17	9/21	9/24	9/27	9/29	10/01	10/04	10/06	10/10
28	9/27	10/02	10/05	10/08	10/11	10/14	10/17	10/20	10/25
24	10/09	10/15	10/19	10/22	10/25	10/28	10/31	11/04	11/10
20	10/15	10/21	10/24	10/28	10/31	11/03	11/06	11/10	11/15
16	10/28	11/02	11/06	11/09	11/12	11/15	11/18	11/22	11/27
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	142	136	131	127	123	119	115	110	103
32	161	155	151	148	145	141	138	134	128
28	187	180	176	172	168	165	161	156	150
24	216	208	203	198	193	189	184	178	170
20	227	220	216	212	208	204	200	195	189
16	250	243	237	233	229	225	220	215	208

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: RIVER FALLS, WI

COOP ID: 477226

Climate Division: WI 4 NWS Call Sign: Elevation: 915 Feet Lat: 44°51N Lon: 92°37W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1667	1326	1090	622	295	69	22	36	196	539	1010	1484	8356
60	1512	1186	935	479	186	23	5	8	96	389	860	1329	7008
57	1419	1102	842	396	134	10	0	2	55	306	770	1236	6272
55	1357	1046	780	345	105	5	0	0	35	255	710	1174	5812
50	1202	906	630	230	50	1	0	0	8	148	565	1019	4759
32	666	447	195	17	0	0	0	0	0	4	155	505	1989

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	22	45	128	386	760	1031	1198	1130	816	489	135	44	6184
55	0	0	0	24	152	346	485	417	162	27	0	0	1613
57	0	0	0	15	119	291	423	357	121	16	0	0	1342
60	0	0	0	7	79	214	335	270	72	6	0	0	983
65	0	0	0	1	32	110	198	143	22	0	0	0	506
70	0	0	0	0	10	42	98	59	4	0	0	0	213

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	1	40	232	581	826	986	915	617	295	43	2	0	1	41	273	854	1680	2666	3581	4198	4493	4536	4538
45	0	0	18	136	428	676	831	760	469	183	17	0	0	0	18	154	582	1258	2089	2849	3318	3501	3518	3518
50	0	0	5	74	288	526	676	605	330	97	3	0	0	0	5	79	367	893	1569	2174	2504	2601	2604	2604
55	0	0	0	36	172	380	521	450	211	43	1	0	0	0	0	36	208	588	1109	1559	1770	1813	1814	1814
60	0	0	0	11	92	244	366	301	111	16	0	0	0	0	0	11	103	347	713	1014	1125	1141	1141	1141
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	28	155	361	529	659	602	377	175	23	0	0	0	28	183	544	1073	1732	2334	2711	2886	2909	2909

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: ROSHOLT 9 NNE, WI

COOP ID: 477349

Climate Division: WI 5

NWS Call Sign:

Elevation: 1,160 Feet Lat: 44°45N

Lon: 89°14W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	21.7	.2	11.0	53	1996	19	20.1	1990	-41	1982	17	1.0	1977	1677	0	.0	.0	.1	24.3	30.9	14.2
Feb	27.5	5.2	16.4	59	2000	27	29.5	1998	-38	1996	3	7.0	1979	1362	0	.0	.0	.6	17.1	27.7	9.0
Mar	38.7	17.0	27.9	78	1986	30	36.9	2000	-33	1962	1	20.1	1984	1153	0	.0	.0	5.4	7.5	27.4	3.9
Apr	54.1	30.0	42.1	89+	1980	22	48.8	1977	2	1982	7	35.7	1975	689	0	.0	.0	19.7	.5	17.6	.0
May	67.7	41.8	54.8	92	1959	2	63.4	1977	15	1980	15	48.0	1997	343	26	.0	.1	30.1	@	4.4	.0
Jun	76.3	50.6	63.5	98	1963	30	67.6	1971	26	1980	16	57.8	1982	103	57	.0	1.6	30.0	.0	.2	.0
Jul	80.2	55.4	67.8	103	1995	14	72.0	1983	35	1988	1	62.4	1992	36	123	.1	2.5	31.0	.0	.0	.0
Aug	77.5	53.2	65.4	100	1948	24	71.6	1995	31	1982	28	61.8	1992	77	87	.0	1.4	31.0	.0	@	.0
Sep	68.8	44.1	56.5	94+	1976	8	61.4	1998	19+	1989	25	51.2	1993	264	7	.0	.3	29.7	.0	2.6	.0
Oct	57.2	33.4	45.3	90	1976	2	52.6	1971	10+	1989	19	39.1	1988	611	0	.0	@	24.0	.1	13.1	.0
Nov	40.1	21.0	30.6	73+	1999	10	38.1	1999	-14	1950	25	23.6	1995	1034	0	.0	.0	6.2	6.6	25.6	1.1
Dec	26.4	7.4	16.9	61	1962	3	25.4	1997	-35	1989	21	4.6	1989	1492	0	.0	.0	.6	21.1	30.5	8.7
Ann	53.0	29.9	41.5	103	Jul 1995	14	72.0	Jul 1983	-41	Jan 1982	17	1.0	Jan 1977	8841	300	.1	5.9	208.4	77.2	180.0	36.9

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

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Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: ROSHOLT 9 NNE, WI

COOP ID: 477349

Climate Division: WI 5

NWS Call Sign:

Elevation: 1,160 Feet Lat: 44°45N

Lon: 89°14W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.12	1.06	.92	1980	6	3.14	1980	.05	1981	7.5	3.7	.3	.0	.20	.30	.47	.62	.77	.94	1.13	1.36	1.67	2.16	2.63
Feb	.94	.88	1.65	1981	22	3.64	1971	.01	1978	5.2	3.1	.4	@	.05	.10	.21	.34	.48	.66	.86	1.13	1.51	2.16	2.81
Mar	1.77	1.80	1.44	1949	31	3.65	1977	.30	1999	7.1	4.8	1.1	.2	.36	.52	.78	1.02	1.26	1.51	1.80	2.15	2.61	3.34	4.03
Apr	2.92	2.56	2.15	1984	30	5.03	1981	.55	1989	9.2	6.3	1.9	.5	.91	1.19	1.60	1.95	2.29	2.65	3.04	3.50	4.09	5.01	5.86
May	3.67	3.44	3.15	1970	22	8.69	1973	1.25	1986	9.6	6.8	2.4	1.0	1.42	1.76	2.25	2.65	3.03	3.42	3.84	4.33	4.95	5.90	6.77
Jun	3.70	3.07	2.62	1996	18	8.16	1993	.97	1985	10.2	7.2	2.5	.7	1.03	1.38	1.91	2.38	2.83	3.31	3.83	4.45	5.26	6.52	7.70
Jul	3.92	3.39	2.38	1976	28	7.94	1978	1.46	1988	10.2	7.7	2.7	.9	1.52	1.89	2.41	2.84	3.24	3.66	4.11	4.63	5.29	6.30	7.22
Aug	4.55	3.80	6.65	1995	9	16.45	1995	1.22	1976	10.0	7.3	2.6	1.2	1.39	1.83	2.47	3.02	3.56	4.12	4.73	5.45	6.38	7.83	9.17
Sep	3.83	3.47	2.86	1986	10	8.56	1986	.58	1976	10.0	6.9	2.4	1.0	.98	1.35	1.90	2.39	2.88	3.39	3.95	4.63	5.51	6.89	8.19
Oct	2.54	2.26	2.30	1959	24	6.63	1984	.31	2000	8.0	5.4	1.7	.6	.68	.92	1.29	1.61	1.92	2.26	2.62	3.06	3.63	4.51	5.34
Nov	2.34	1.92	2.00	1985	1	5.60	1991	.00	1976	7.7	5.0	1.5	.6	.30	.60	1.00	1.33	1.66	2.01	2.41	2.88	3.50	4.49	5.42
Dec	1.36	1.40	1.28	1965	12	3.00	1972	.26	1993	7.2	4.0	.7	.0	.30	.43	.63	.81	.99	1.18	1.39	1.64	1.98	2.52	3.02
Ann	32.66	33.85	6.65	Aug 1995	9	16.45	Aug 1995	.00	Nov 1976	101.9	68.2	20.2	6.7	24.53	26.13	28.17	29.70	31.06	32.36	33.70	35.17	36.94	39.50	41.70

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

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Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: ROSHOLT 9 NNE, WI

COOP ID: 477349

Climate Division: WI 5

NWS Call Sign:

Elevation: 1,160 Feet

Lat: 44° 45N

Lon: 89° 14W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	9.4	9.0	10	9	8.0	1971	4	23.0	1971	37	1982	31	25	1982	5.7	5.0	1.5	.4	.0	29.0	27.5	22.5	11.5
Feb	9.3	11.3	14	13	8.0	1971	5	26.1	1971	40	1971	9	34	1971	3.6	3.3	1.2	.3	.0	27.0	26.1	23.6	15.7
Mar	9.3	6.0	8	5	14.0	1997	14	26.0	1985	36	1971	3	26	1971	3.6	3.3	1.4	.6	@	15.1	12.5	10.4	5.9
Apr	2.8	.5	1	#	8.0	1977	4	13.0	1993	16	1996	3	6	1996	1.1	1.0	.5	.2	.0	2.5	1.9	1.3	.3
May	.2	.0	#	0	4.0	1996	1	4.0	1996	3	1996	1	#+	1997	.1	.1	@	.0	.0	.1	@	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.4	.0	#	0	2.0	1976	19	2.0+	1992	1	1995	21	#+	2000	.2	.2	.0	.0	.0	@	.0	.0	.0
Nov	5.4	3.0	1	#	9.0	1983	28	16.5	1971	12	1991	28	4	1991	3.0	2.7	.9	.3	.0	6.0	2.8	1.6	.3
Dec	11.3	8.8	6	5	10.0	1977	24	26.0	1984	23	1985	4	17	1985	5.3	4.9	1.5	.5	.1	25.9	21.5	16.7	5.6
Ann	48.1	38.6	N/A	N/A	14.0	Mar 1997	14	26.1	Feb 1971	40	Feb 1971	9	34	Feb 1971	22.6	20.5	7.0	2.3	.1	105.6	92.3	76.1	39.3

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: ROSHOLT 9 NNE, WI

COOP ID: 477349

Climate Division: WI 5

NWS Call Sign:

Elevation: 1,160 Feet

Lat: 44° 45N

Lon: 89° 14W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/20	6/15	6/11	6/07	6/04	6/01	5/29	5/25	5/19
32	6/06	5/31	5/27	5/23	5/19	5/16	5/12	5/07	5/01
28	5/21	5/15	5/11	5/08	5/04	5/01	4/28	4/24	4/18
24	5/03	4/29	4/25	4/23	4/20	4/18	4/15	4/12	4/08
20	4/26	4/21	4/17	4/14	4/11	4/09	4/06	4/02	3/28
16	4/20	4/14	4/10	4/06	4/03	3/31	3/27	3/23	3/17
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/24	8/30	9/03	9/06	9/10	9/13	9/16	9/20	9/26
32	9/09	9/13	9/16	9/19	9/21	9/24	9/26	9/29	10/03
28	9/19	9/23	9/27	9/30	10/02	10/05	10/08	10/11	10/16
24	9/27	10/03	10/07	10/11	10/14	10/18	10/22	10/26	11/01
20	10/10	10/16	10/20	10/24	10/28	10/31	11/04	11/08	11/15
16	10/21	10/27	10/31	11/03	11/06	11/09	11/13	11/17	11/22
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	121	113	107	102	97	92	87	81	72
32	147	139	134	129	124	120	115	110	102
28	173	165	159	155	150	146	141	135	127
24	200	192	186	181	176	172	167	161	153
20	224	215	209	203	198	193	188	181	173
16	243	234	227	222	217	211	206	199	190

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States**
No. 20
1971-2000

Station: ROSHOLT 9 NNE, WI

COOP ID: 477349

Climate Division: WI 5 NWS Call Sign: Elevation: 1,160 Feet Lat: 44°45N Lon: 89°14W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1677	1362	1153	689	343	103	36	77	264	611	1034	1492	8841
60	1522	1222	998	541	227	38	7	22	142	460	884	1337	7400
57	1429	1138	905	455	170	17	0	9	87	373	794	1244	6621
55	1367	1082	843	400	137	10	0	3	59	319	734	1182	6136
50	1212	942	689	273	71	2	0	0	17	200	586	1027	5019
32	664	460	223	22	0	0	0	0	0	10	156	504	2039

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	11	22	93	324	706	944	1110	1033	733	422	112	35	5545
55	0	0	0	11	130	264	397	323	102	18	0	0	1245
57	0	0	0	7	101	211	335	266	70	11	0	0	1001
60	0	0	0	3	65	142	248	187	35	4	0	0	684
65	0	0	0	0	26	57	123	87	7	0	0	0	300
70	0	0	0	0	9	13	43	27	0	0	0	0	92

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	24	174	495	736	885	825	539	240	36	2	0	0	24	198	693	1429	2314	3139	3678	3918	3954	3956
45	0	0	9	94	347	586	730	670	390	138	15	0	0	0	9	103	450	1036	1766	2436	2826	2964	2979	2979
50	0	0	3	49	220	437	575	515	256	66	3	0	0	0	3	52	272	709	1284	1799	2055	2121	2124	2124
55	0	0	0	20	122	295	420	360	146	29	0	0	0	0	0	20	142	437	857	1217	1363	1392	1392	1392
60	0	0	0	6	60	171	274	220	70	5	0	0	0	0	0	6	66	237	511	731	801	806	806	806
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	21	129	318	466	577	531	333	155	22	0	0	0	21	150	468	934	1511	2042	2375	2530	2552	2552

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: ST CROIX FALLS, WI

COOP ID: 477464

Climate Division: WI 1

NWS Call Sign:

Elevation: 770 Feet

Lat: 45°25N

Lon: 92°39W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	23.0	.3	11.7	56	1981	24	25.8	1990	-42+	1994	19	-1.0	1977	1653	0	.0	.0	.1	23.2	31.0	16.5
Feb	30.0	7.5	18.8	63	2000	29	32.2	1998	-43+	1996	3	7.7	1989	1295	0	.0	.0	1.1	16.0	27.3	10.3
Mar	41.8	20.3	31.1	83	1986	29	40.1	1973	-34	1962	1	22.0	1996	1053	0	.0	.0	7.0	6.5	26.9	3.2
Apr	58.0	33.7	45.9	93	1980	21	54.5	1987	-1+	1995	5	39.0	1996	577	3	.0	@	21.6	.4	14.8	.1
May	72.0	46.2	59.1	96	1998	18	67.3	1977	18	1967	3	53.3	1979	238	55	.0	.7	30.5	.0	2.5	.0
Jun	79.6	54.9	67.3	99+	1988	24	73.4	1988	30	1985	2	62.7	1982	59	127	.0	2.7	30.0	.0	@	.0
Jul	84.1	60.0	72.1	105	1988	31	77.2	1988	38	1992	29	64.8	1992	19	237	.3	5.5	31.0	.0	.0	.0
Aug	81.2	58.7	70.0	102+	1988	16	75.1	1983	35	1950	20	65.6+	1992	26	179	.1	2.9	31.0	.0	.0	.0
Sep	72.2	49.2	60.7	98	1976	7	66.7	1998	24	1965	26	55.2	1993	165	36	.0	.7	29.7	.0	1.2	.0
Oct	59.5	37.6	48.6	90	1997	3	54.9	1973	11	1996	31	43.1	1988	511	2	.0	@	25.4	.1	11.2	.0
Nov	41.0	23.8	32.4	76	1999	8	40.7	1999	-18	1964	30	25.2	1991	978	0	.0	.0	6.6	7.0	25.1	1.3
Dec	27.4	8.3	17.9	66	1998	1	26.2	1997	-39	1983	19	3.8	1983	1462	0	.0	.0	.5	20.7	30.7	10.2
Ann	55.8	33.4	44.6	105	Jul 1988	31	77.2	Jul 1988	-43+	Feb 1996	3	-1.0	Jan 1977	8036	639	.4	12.5	214.5	73.9	170.7	41.6

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1950-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: ST CROIX FALLS, WI

COOP ID: 477464

Climate Division: WI 1

NWS Call Sign:

Elevation: 770 Feet

Lat: 45°25N

Lon: 92°39W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.82	.72	1.55	1967	24	2.55	1975	.13	1981	7.0	2.6	.2	.1	.16	.24	.36	.47	.58	.70	.83	1.00	1.21	1.56	1.89
Feb	.65	.54	.88	1981	27	2.41	1981	.00+	1997	5.1	2.3	.2	.0	.00	.07	.18	.29	.39	.51	.64	.80	1.03	1.39	1.74
Mar	1.54	1.12	1.58	1965	1	4.20	1977	.14	1987	7.2	4.3	.8	.1	.30	.44	.66	.87	1.08	1.31	1.57	1.88	2.29	2.94	3.57
Apr	2.54	2.26	3.66	1975	27	6.61	1975	.08	1987	9.3	5.9	1.6	.3	.37	.59	.95	1.31	1.67	2.07	2.54	3.11	3.87	5.11	6.31
May	3.37	3.19	2.70	1978	27	8.77	1991	.96	1976	11.0	7.2	2.3	.6	1.32	1.63	2.07	2.44	2.79	3.14	3.53	3.97	4.54	5.40	6.19
Jun	4.48	3.96	3.13	1953	19	11.93	1975	1.29	1988	12.1	7.8	2.8	1.2	1.61	2.03	2.64	3.15	3.64	4.14	4.68	5.31	6.11	7.36	8.50
Jul	4.04	3.45	4.70	1991	18	8.43	1991	1.35	1976	10.9	7.3	2.6	.8	1.47	1.85	2.39	2.85	3.29	3.74	4.22	4.79	5.51	6.63	7.65
Aug	4.69	4.69	4.16	1990	18	9.43	1980	1.76	1984	10.2	6.8	3.2	1.3	1.85	2.28	2.90	3.41	3.89	4.38	4.91	5.53	6.31	7.50	8.59
Sep	3.58	2.67	5.75	1957	1	9.47	1991	1.32	1998	10.7	6.5	2.5	.8	.98	1.32	1.83	2.28	2.73	3.19	3.70	4.31	5.10	6.34	7.49
Oct	2.45	2.12	2.72	1971	27	6.72	1971	.45	1976	9.8	5.2	1.4	.4	.52	.75	1.10	1.43	1.76	2.11	2.51	2.98	3.60	4.60	5.55
Nov	1.69	1.43	1.82	1996	17	5.14	1975	.24	1976	7.8	4.1	1.1	.3	.24	.37	.62	.85	1.10	1.37	1.68	2.06	2.58	3.42	4.24
Dec	.76	.67	1.35	1968	12	2.00	1982	.15	1999	6.8	2.6	.2	@	.15	.22	.33	.43	.54	.65	.78	.93	1.13	1.46	1.77
Ann	30.61	30.77	5.75	Sep 1957	1	11.93	Jun 1975	.00+	Feb 1997	107.9	62.6	18.9	5.9	20.14	22.11	24.66	26.61	28.37	30.08	31.85	33.83	36.24	39.77	42.85

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1950-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: ST CROIX FALLS, WI

COOP ID: 477464

Climate Division: WI 1

NWS Call Sign:

Elevation: 770 Feet

Lat: 45°25N

Lon: 92°39W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	11.0	10.3	10	9	11.0	1982	22	19.5+	1994	39	1982	26	22+	1984	5.8	4.3	1.2	.3	@	27.1	23.9	20.9	9.9
Feb	7.0	6.5	10	9	9.0	1991	23	15.0	1971	38	1982	1	27	1979	3.4	2.4	.8	.1	.0	24.1	22.5	19.6	11.8
Mar	7.5	6.0	4	3	15.0	1971	15	30.5	1985	26	1979	1	14	1979	2.9	2.5	1.0	.4	.1	13.9	9.5	7.1	4.1
Apr	1.6	.0	#	#	10.0	1983	14	14.5	1983	12	1975	4	4	1975	.5	.5	.2	.1	@	1.4	.7	.6	.2
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.4	.0	#	0	7.0	1991	31	7.0	1991	1	1976	18	#+	1982	.2	.1	@	@	.0	@	.0	.0	.0
Nov	7.6	4.4	1	#	22.0	1991	1	50.8	1991	31	1991	7	16	1991	2.9	2.0	.7	.3	.1	6.1	2.4	1.5	.2
Dec	7.2	4.7	5	3	11.0	1996	15	14.0	1971	30	1991	6	21	1983	4.9	3.2	.9	.2	@	22.2	12.1	8.1	3.2
Ann	42.3	31.9	N/A	N/A	22.0	Nov 1991	1	50.8	Nov 1991	39	Jan 1982	26	27	Feb 1979	20.6	15.0	4.8	1.4	.2	94.8	71.1	57.8	29.4

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: ST CROIX FALLS, WI

COOP ID: 477464

Climate Division: WI 1

NWS Call Sign:

Elevation: 770 Feet

Lat: 45°25N

Lon: 92°39W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/06	6/02	5/29	5/26	5/23	5/20	5/17	5/14	5/09
32	5/22	5/17	5/14	5/11	5/09	5/06	5/03	4/30	4/26
28	5/12	5/08	5/04	5/01	4/28	4/25	4/22	4/19	4/14
24	4/27	4/23	4/19	4/17	4/14	4/11	4/09	4/05	4/01
20	4/20	4/16	4/13	4/10	4/08	4/05	4/03	3/30	3/26
16	4/12	4/09	4/06	4/03	4/01	3/30	3/27	3/24	3/20
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/10	9/14	9/17	9/19	9/21	9/23	9/26	9/28	10/02
32	9/18	9/22	9/25	9/27	9/30	10/02	10/04	10/07	10/11
28	9/25	10/01	10/05	10/08	10/11	10/14	10/18	10/22	10/27
24	10/09	10/13	10/17	10/20	10/23	10/25	10/28	11/01	11/06
20	10/15	10/20	10/24	10/27	10/30	11/02	11/05	11/09	11/14
16	10/27	10/31	11/03	11/06	11/09	11/11	11/14	11/17	11/21
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	140	133	128	124	120	116	112	107	101
32	160	154	150	146	143	140	136	132	126
28	187	179	174	170	166	161	157	152	144
24	211	204	199	195	191	187	183	178	171
20	225	218	213	209	205	200	196	191	184
16	240	233	229	225	221	217	213	208	202

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: ST CROIX FALLS, WI

COOP ID: 477464

Climate Division: WI 1 NWS Call Sign: Elevation: 770 Feet Lat: 45°25N Lon: 92°39W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1653	1295	1053	577	238	59	19	26	165	511	978	1462	8036
60	1498	1155	898	435	144	18	4	4	77	364	828	1307	6732
57	1405	1071	805	357	99	7	0	1	43	285	738	1214	6025
55	1343	1015	744	308	75	4	0	0	27	236	679	1152	5583
50	1188	877	599	200	33	0	0	0	6	135	534	997	4569
32	658	427	182	13	0	0	0	0	0	4	139	489	1912

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	28	56	153	430	840	1058	1241	1176	861	517	151	50	6561
55	0	0	1	34	202	371	528	463	198	37	1	0	1835
57	0	0	0	23	165	315	466	402	154	23	0	0	1548
60	0	0	0	12	116	236	377	313	98	10	0	0	1162
65	0	0	0	3	55	127	237	179	36	2	0	0	639
70	0	0	0	0	21	52	128	83	8	0	0	0	292

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	2	38	218	571	811	983	918	600	273	34	1	0	2	40	258	829	1640	2623	3541	4141	4414	4448	4449
45	0	1	16	127	421	661	828	763	453	164	14	0	0	1	17	144	565	1226	2054	2817	3270	3434	3448	3448
50	0	0	4	65	285	512	673	608	313	84	3	0	0	0	4	69	354	866	1539	2147	2460	2544	2547	2547
55	0	0	1	27	167	365	518	453	194	34	0	0	0	0	1	28	195	560	1078	1531	1725	1759	1759	1759
60	0	0	0	12	86	229	366	299	104	10	0	0	0	0	0	12	98	327	693	992	1096	1106	1106	1106
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	26	151	363	522	653	600	367	169	23	0	0	1	27	178	541	1063	1716	2316	2683	2852	2875	2875

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: ST GERMAIN 2 E, WI

COOP ID: 477480

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,645 Feet Lat: 45°54N

Lon: 89°26W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	18.2	-3.6	7.3	48+	1990	9	20.1	1990	-40	1982	17	-3.9	1977	1791	0	.0	.0	.0	27.2	30.9	15.7
Feb	24.2	-.2	12.0	55	2000	23	27.6	1998	-43+	1996	4	2.1	1979	1486	0	.0	.0	.4	20.0	28.0	12.1
Mar	34.9	12.1	23.5	72	2000	9	31.2	2000	-25+	1996	8	14.7	1996	1288	0	.0	.0	3.3	11.3	28.9	5.5
Apr	49.3	26.4	37.9	89	1980	23	44.9	1987	-8+	1995	5	31.0	1975	815	0	.0	.0	14.8	1.7	20.8	.2
May	64.3	39.9	52.1	87+	1994	21	60.4	1977	19	1996	2	44.7	1997	419	19	.0	.0	28.1	@	6.8	.0
Jun	71.2	49.7	60.5	93+	1995	19	66.4	1995	32+	1992	21	53.4	1982	173	36	.0	.3	29.9	.0	.2	.0
Jul	74.8	55.0	64.9	97+	1988	8	68.8	1983	35	1988	1	58.8	1992	80	76	.0	.8	31.0	.0	.0	.0
Aug	72.6	52.8	62.7	95	1988	17	67.6	1995	35	1987	24	57.4	1977	126	54	.0	.2	31.0	.0	.0	.0
Sep	63.5	43.7	53.6	92	1998	12	59.5	1998	24	1989	24	47.4	1974	348	5	.0	.1	28.7	.0	1.6	.0
Oct	52.0	32.4	42.2	83	1976	2	48.1	1971	7	1988	30	37.2	1976	706	0	.0	.0	18.6	.6	13.4	.0
Nov	36.0	19.3	27.7	70+	1990	2	35.4	1999	-18	1976	28	18.7	1995	1121	0	.0	.0	4.1	11.1	26.8	1.2
Dec	22.8	4.3	13.6	58	1982	3	23.0	1997	-33	1983	19	2.2	1976	1595	0	.0	.0	.1	25.0	30.8	9.7
Ann	48.7	27.7	38.2	97+	Jul 1988	8	68.8	Jul 1983	-43+	Feb 1996	4	-3.9	Jan 1977	9948	190	.0	1.4	190.0	96.9	188.2	44.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1971-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: ST GERMAIN 2 E, WI

COOP ID: 477480

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,645 Feet Lat: 45°54N

Lon: 89°26W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.31	1.11	.97	1996	18	3.12	1997	.22	1981	7.4	4.7	.4	.0	.31	.43	.62	.79	.96	1.14	1.35	1.59	1.91	2.41	2.89
Feb	.89	.80	1.06	1999	12	2.19	2000	.07	1987	5.2	3.0	.4	@	.13	.21	.34	.46	.59	.73	.89	1.09	1.35	1.79	2.20
Mar	1.66	1.51	1.80	1973	7	3.71	1973	.20	1978	6.9	4.5	.9	.2	.30	.44	.69	.91	1.14	1.39	1.68	2.02	2.48	3.22	3.92
Apr	2.21	2.20	1.80	1981	4	4.51	1977	.68	1997	9.0	5.9	1.1	.1	.77	.98	1.28	1.54	1.78	2.04	2.31	2.63	3.04	3.68	4.26
May	3.43	3.13	2.37	1999	7	9.68	1999	.21	1986	9.8	6.6	2.4	.9	.82	1.14	1.64	2.09	2.53	3.00	3.53	4.15	4.97	6.28	7.50
Jun	3.69	3.63	3.98	1981	14	9.45	1981	1.73	1982	11.6	8.3	2.5	.6	1.77	2.09	2.52	2.87	3.20	3.52	3.87	4.26	4.75	5.49	6.16
Jul	3.91	4.08	2.65	2000	8	7.74	2000	1.08	1989	10.9	8.0	2.7	.8	1.25	1.62	2.17	2.63	3.09	3.56	4.07	4.67	5.45	6.66	7.77
Aug	4.33	4.00	3.47	1983	10	8.74	1978	1.42	2000	10.6	7.8	3.0	1.0	1.50	1.91	2.51	3.01	3.49	3.98	4.52	5.15	5.96	7.20	8.35
Sep	4.08	4.04	3.51	1983	20	7.44	1980	.89	1976	11.4	7.9	2.7	.9	1.11	1.50	2.09	2.60	3.11	3.64	4.22	4.92	5.82	7.24	8.56
Oct	2.65	2.50	1.83	1990	17	4.91	1990	.54	1976	10.1	6.7	1.5	.4	.92	1.17	1.53	1.84	2.13	2.44	2.77	3.15	3.65	4.41	5.12
Nov	2.13	1.90	2.45	1996	16	4.76	1975	.26	1981	8.6	5.5	1.0	.3	.49	.68	.99	1.27	1.55	1.85	2.18	2.58	3.10	3.93	4.71
Dec	1.32	1.28	.88+	1996	31	2.60	1984	.08	1994	7.4	4.7	.4	.0	.39	.51	.70	.86	1.02	1.19	1.37	1.59	1.87	2.30	2.71
Ann	31.61	30.69	3.98	Jun 1981	14	9.68	May 1999	.07	Feb 1987	108.9	73.6	19.0	5.2	22.57	24.32	26.57	28.27	29.78	31.24	32.75	34.41	36.43	39.36	41.89

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1971-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: ST GERMAIN 2 E, WI

COOP ID: 477480

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,645 Feet

Lat: 45°54N

Lon: 89°26W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	16.5	15.8	16	16	10.0	1980	7	32.5	1976	36	1997	31	26	1997	6.7	5.9	2.3	.6	@	-9.9	-9.9	-9.9	-9.9
Feb	9.3	9.5	18	18	8.0	1992	25	18.0	2000	36	1997	1	31	1979	4.0	3.6	1.0	.3	.0	-9.9	-9.9	-9.9	-9.9
Mar	11.7	13.0	15	14	12.0	1976	2	24.2	1972	36	1979	5	31	1979	3.6	3.3	1.6	.6	.1	-9.9	-9.9	-9.9	-9.9
Apr	3.4	.0	2	#	10.0	1993	12	19.5	1993	33	1996	5	19	1996	1.4	1.2	.4	.2	@	1.8	.6	.4	.3
May	.4	.0	#	0	6.0	1979	5	6.0	1979	3	1996	1	#+	1997	.1	.1	.1	@	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	#	0	#	1995	24	#	1995	#	1991	26	#	1991	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	1.0	.0	#	0	6.0	1979	23	6.0	1979	6	1979	23	#+	2000	.4	.3	.1	.1	.0	.2	.1	@	.0
Nov	7.5	5.0	1	1	7.0	1991	24	23.5	1985	16	1985	30	5	1995	3.7	3.4	1.0	.3	.0	8.8	4.7	2.7	.6
Dec	13.9	14.0	8	9	7.0	1979	7	26.0	1984	24	1996	30	17	1985	5.9	5.5	2.1	.5	.0	-9.9	-9.9	-9.9	-9.9
Ann	63.7	57.3	N/A	N/A	12.0	Mar 1976	2	32.5	Jan 1976	36+	Feb 1997	1	31+	Mar 1979	25.8	23.3	8.6	2.6	.1	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: ST GERMAIN 2 E, WI

COOP ID: 477480

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,645 Feet

Lat: 45°54N

Lon: 89°26W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/25	6/18	6/13	6/09	6/05	6/01	5/28	5/24	5/17
32	6/05	5/31	5/27	5/25	5/22	5/19	5/16	5/13	5/08
28	5/23	5/18	5/15	5/12	5/09	5/07	5/04	4/30	4/25
24	5/10	5/05	5/01	4/28	4/26	4/23	4/20	4/17	4/12
20	4/30	4/25	4/22	4/19	4/17	4/14	4/11	4/08	4/03
16	4/17	4/14	4/11	4/09	4/07	4/05	4/03	3/31	3/28
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/04	9/08	9/10	9/13	9/15	9/17	9/20	9/23	9/27
32	9/16	9/20	9/22	9/24	9/26	9/28	9/30	10/03	10/06
28	9/25	9/29	10/02	10/05	10/07	10/10	10/12	10/15	10/19
24	10/08	10/13	10/17	10/21	10/24	10/28	10/31	11/04	11/10
20	10/17	10/22	10/26	10/29	11/01	11/04	11/07	11/11	11/16
16	10/26	10/30	11/02	11/05	11/07	11/10	11/12	11/15	11/20
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	122	115	110	105	101	97	92	87	80
32	146	139	135	130	127	123	119	114	108
28	168	162	157	154	150	147	143	138	132
24	205	197	191	186	181	176	171	165	157
20	221	213	207	202	198	193	188	183	175
16	231	225	221	217	214	210	207	202	196

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: ST GERMAIN 2 E, WI

COOP ID: 477480

Climate Division: WI 2 NWS Call Sign: Elevation: 1,645 Feet Lat: 45°54N Lon: 89°26W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1791	1486	1288	815	419	173	80	126	348	706	1121	1595	9948
60	1636	1346	1133	667	293	87	21	50	218	552	971	1440	8414
57	1543	1262	1040	580	229	50	8	23	153	462	881	1347	7578
55	1481	1206	978	523	191	32	3	13	116	403	821	1285	7052
50	1326	1066	823	388	112	9	0	2	49	269	671	1130	5845
32	779	579	314	65	4	0	0	0	0	18	211	594	2564

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	11	18	49	240	628	853	1019	951	647	335	81	22	4854
55	0	0	0	8	102	195	309	252	73	7	0	0	946
57	0	0	0	5	77	153	252	200	50	4	0	0	741
60	0	0	0	2	48	99	172	133	25	1	0	0	480
65	0	0	0	0	19	36	76	54	5	0	0	0	190
70	0	0	0	0	6	9	19	14	0	0	0	0	48

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	14	116	419	645	798	737	458	178	23	0	0	0	14	130	549	1194	1992	2729	3187	3365	3388	3388
45	0	0	2	68	285	496	643	582	319	92	7	0	0	0	2	70	355	851	1494	2076	2395	2487	2494	2494
50	0	0	0	28	176	351	488	428	194	41	1	0	0	0	0	28	204	555	1043	1471	1665	1706	1707	1707
55	0	0	0	12	94	218	336	277	99	15	0	0	0	0	0	12	106	324	660	937	1036	1051	1051	1051
60	0	0	0	2	44	116	193	148	43	1	0	0	0	0	0	2	46	162	355	503	546	547	547	547
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	10	88	259	387	495	444	248	98	11	0	0	0	10	98	357	744	1239	1683	1931	2029	2040	2040

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: SHAWANO 2 SSW, WI

COOP ID: 477708

Climate Division: WI 3

NWS Call Sign:

Elevation: 810 Feet Lat: 44°45N Lon: 88°37W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	23.0	3.2	13.1	53	1973	25	24.1	1990	-35	1982	17	2.8	1977	1610	0	.0	.0	.1	23.8	30.8	13.1
Feb	28.3	7.6	18.0	59	2000	27	29.2	1998	-33+	1996	3	8.3	1979	1317	0	.0	.0	.5	17.0	27.5	9.0
Mar	39.3	20.0	29.7	78	2000	8	38.4	2000	-28	1962	1	22.9	1984	1096	0	.0	.0	5.6	7.0	27.0	2.5
Apr	54.5	32.4	43.5	93	1980	22	49.1	1977	4	1977	6	37.8	1975	647	1	.0	@	20.2	.4	15.9	.0
May	68.4	43.6	56.0	95	1959	2	64.1	1977	19	1956	1	48.8	1997	315	35	.0	.3	29.8	.0	4.0	.0
Jun	77.1	52.7	64.9	99	1988	22	69.8	1995	31+	1990	4	59.8	1982	84	81	.0	2.7	30.0	.0	.1	.0
Jul	81.5	57.6	69.6	104	1995	14	73.5	1977	33	1972	4	64.3	1992	27	168	.2	4.3	31.0	.0	.0	.0
Aug	78.5	55.5	67.0	104	1955	21	72.1	1995	34	1977	24	62.8	1971	50	112	@	1.8	31.0	.0	.0	.0
Sep	69.7	46.2	58.0	97	1953	2	63.1	1998	20	1974	23	53.5	1993	223	11	.0	.3	29.8	.0	1.9	.0
Oct	57.7	35.5	46.6	88+	1976	1	54.0	1971	12	1972	19	41.5	1987	571	0	.0	.0	24.8	.0	12.3	.0
Nov	41.0	23.6	32.3	74	1999	10	39.8	1999	-10	1976	29	25.2	1995	982	0	.0	.0	6.7	5.5	24.4	.5
Dec	27.5	10.1	18.8	62	2001	6	27.0	1982	-26+	1983	19	6.8	1983	1433	0	.0	.0	.4	19.1	30.2	7.6
Ann	53.9	32.3	43.1	104+	Jul 1995	14	73.5	Jul 1977	-35	Jan 1982	17	2.8	Jan 1977	8355	408	.2	9.4	209.9	72.8	174.1	32.7

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: SHAWANO 2 SSW, WI

COOP ID: 477708

Climate Division: WI 3

NWS Call Sign:

Elevation: 810 Feet Lat: 44°45N

Lon: 88°37W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.31	1.08	1.48	1967	25	3.72	1976	.11	1981	8.7	4.3	.5	.1	.21	.33	.52	.70	.88	1.08	1.31	1.60	1.97	2.58	3.17
Feb	.95	.82	1.43	1981	22	3.04	1976	.15	1987	6.0	2.7	.4	.1	.13	.20	.34	.47	.61	.76	.94	1.16	1.45	1.93	2.40
Mar	1.85	1.71	1.93	1973	7	4.40	1973	.07	1978	7.8	5.1	1.0	.3	.25	.39	.66	.92	1.19	1.48	1.83	2.26	2.83	3.78	4.69
Apr	2.81	2.59	2.75	1994	25	5.18	1973	.54	1997	9.8	6.2	1.7	.4	.89	1.15	1.55	1.89	2.21	2.55	2.92	3.36	3.92	4.80	5.60
May	3.50	3.29	3.45	1992	17	9.17	1973	.90	1988	10.3	6.5	2.1	.9	1.07	1.40	1.90	2.33	2.74	3.17	3.64	4.19	4.91	6.03	7.06
Jun	3.39	2.77	2.54	1968	21	7.36	1996	.89	1988	10.5	6.8	2.2	.8	.89	1.22	1.71	2.14	2.56	3.01	3.51	4.09	4.86	6.06	7.19
Jul	3.97	3.46	3.00	1983	20	8.55	1971	1.19	1981	10.6	6.9	2.7	1.2	1.36	1.73	2.28	2.75	3.19	3.65	4.15	4.73	5.47	6.63	7.69
Aug	3.90	3.81	2.36	1995	10	10.61	1995	1.47	1976	10.3	7.5	2.7	1.0	1.13	1.50	2.06	2.54	3.01	3.50	4.04	4.68	5.51	6.80	8.00
Sep	3.65	3.64	3.15	1984	25	6.95	1986	.42	1976	10.4	6.3	2.5	.9	.71	1.04	1.58	2.07	2.57	3.10	3.71	4.44	5.41	6.96	8.44
Oct	2.42	2.18	2.02	1967	25	5.37	1995	.29	2000	9.0	4.9	1.6	.5	.62	.85	1.20	1.51	1.81	2.14	2.49	2.92	3.48	4.35	5.17
Nov	2.42	2.16	2.48	1992	21	5.76	1985	.00	1976	8.8	5.2	1.5	.6	.33	.65	1.06	1.40	1.74	2.10	2.50	2.98	3.62	4.62	5.57
Dec	1.31	1.40	1.71	1959	28	2.71	1972	.21	1994	8.7	4.1	.5	.1	.34	.46	.65	.82	.98	1.16	1.35	1.58	1.88	2.36	2.80
Ann	31.48	33.15	3.45	May 1992	17	10.61	Aug 1995	.00	Nov 1976	110.9	66.5	19.4	6.9	22.57	24.30	26.51	28.18	29.67	31.11	32.59	34.23	36.21	39.09	41.57

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: SHAWANO 2 SSW, WI

COOP ID: 477708

Climate Division: WI 3

NWS Call Sign:

Elevation: 810 Feet

Lat: 44° 45N

Lon: 88° 37W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	12.6	8.3	9	8	16.6	1971	4	35.9	1976	27	1982	31	24	1982	7.6	4.7	1.3	.7	.1	29.0	25.7	19.5	10.4
Feb	8.2	7.2	9	8	8.0	1974	3	18.0	1976	38	1979	22	29	1979	5.3	2.9	.9	.2	.0	24.7	21.6	16.2	7.8
Mar	7.8	6.7	4	2	15.0	1997	14	25.5	1989	21+	1986	2	14	1971	4.2	2.9	1.1	.4	@	11.9	7.8	4.8	1.5
Apr	3.1	2.0	#	#	8.0	1973	9	9.6	1977	9	1973	10	4	1972	1.3	1.0	.3	.1	.0	1.8	.7	.3	.0
May	.2	.0	#	0	4.5	1990	11	4.5	1990	4	1990	11	#+	1990	@	@	@	.0	.0	@	@	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	#	0	1.5	1990	11	1.5	1990	1+	1992	20	#+	1992	.2	.1	.0	.0	.0	.1	.0	.0	.0
Nov	4.9	3.9	1	#	11.0	1971	26	15.0	1971	13	1971	29	2+	2000	2.7	1.9	.6	.2	@	5.3	2.3	.9	.2
Dec	11.8	10.3	5	4	13.0	1985	2	32.5	1985	29	1985	9	21	1985	6.7	4.4	1.2	.5	.1	22.8	17.2	12.0	4.7
Ann	48.7	38.4	N/A	N/A	16.6	Jan 1971	4	35.9	Jan 1976	38	Feb 1979	22	29	Feb 1979	28.0	17.9	5.4	2.1	.2	95.6	75.3	53.7	24.6

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: SHAWANO 2 SSW, WI

COOP ID: 477708

Climate Division: WI 3

NWS Call Sign:

Elevation: 810 Feet

Lat: 44° 45N

Lon: 88° 37W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/19	6/12	6/07	6/03	5/30	5/26	5/22	5/17	5/11
32	6/03	5/28	5/24	5/20	5/17	5/14	5/10	5/06	4/30
28	5/19	5/14	5/11	5/08	5/05	5/02	4/29	4/26	4/21
24	5/04	4/28	4/24	4/21	4/18	4/15	4/11	4/07	4/02
20	4/20	4/16	4/13	4/10	4/08	4/06	4/03	3/31	3/27
16	4/12	4/08	4/05	4/02	3/31	3/28	3/25	3/22	3/18
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/30	9/03	9/07	9/09	9/12	9/14	9/17	9/20	9/25
32	9/12	9/17	9/20	9/22	9/25	9/27	9/29	10/02	10/07
28	9/23	9/26	9/29	10/02	10/04	10/06	10/09	10/12	10/15
24	9/29	10/05	10/10	10/14	10/18	10/21	10/25	10/30	11/05
20	10/13	10/20	10/24	10/28	10/31	11/04	11/08	11/12	11/18
16	10/28	11/03	11/07	11/11	11/14	11/17	11/21	11/25	12/01
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	128	120	114	109	104	99	94	88	79
32	147	141	137	133	130	126	123	118	112
28	169	163	159	155	151	148	144	139	133
24	207	199	192	187	182	177	172	165	156
20	229	221	215	210	206	201	196	190	182
16	251	243	237	232	228	223	218	213	205

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: SHAWANO 2 SSW, WI

COOP ID: 477708

Climate Division: WI 3 NWS Call Sign: Elevation: 810 Feet Lat: 44°45N Lon: 88°37W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1610	1317	1096	647	315	84	27	50	223	571	982	1433	8355
60	1455	1177	941	500	206	29	6	11	111	420	832	1278	6966
57	1362	1093	848	415	153	13	0	3	64	334	742	1185	6212
55	1300	1037	786	361	122	7	0	1	42	281	682	1123	5742
50	1145	897	632	239	62	1	0	0	10	166	534	968	4654
32	602	417	182	14	0	0	0	0	0	5	124	459	1803

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	15	24	109	358	743	987	1164	1086	779	457	133	49	5904
55	0	0	0	15	152	304	451	373	130	20	0	0	1445
57	0	0	0	9	121	250	389	313	93	11	0	0	1186
60	0	0	0	4	81	176	302	229	50	4	0	0	846
65	0	0	0	1	35	81	168	112	11	0	0	0	408
70	0	0	0	0	13	24	76	40	1	0	0	0	154

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	26	189	513	764	929	851	563	252	39	2	0	0	26	215	728	1492	2421	3272	3835	4087	4126	4128
45	0	0	10	108	369	614	774	696	416	143	16	0	0	0	10	118	487	1101	1875	2571	2987	3130	3146	3146
50	0	0	4	55	236	465	619	541	279	71	3	0	0	0	4	59	295	760	1379	1920	2199	2270	2273	2273
55	0	0	0	25	135	323	465	387	162	28	0	0	0	0	0	25	160	483	948	1335	1497	1525	1525	1525
60	0	0	0	10	67	192	311	244	83	6	0	0	0	0	0	10	77	269	580	824	907	913	913	913
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	22	131	327	485	607	555	346	159	24	0	0	0	22	153	480	965	1572	2127	2473	2632	2656	2656

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: SHEBOYGAN, WI

COOP ID: 477725

Climate Division: WI 6

NWS Call Sign:

Elevation: 648 Feet

Lat: 43°45N

Lon: 87°43W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	28.6	13.2	20.9	58	1973	25	31.7	1990	-26+	1985	20	9.1	1977	1368	0	.0	.0	.2	18.6	29.5	6.0
Feb	33.0	18.1	25.6	63	1984	23	35.3	1998	-25+	1996	3	16.7	1979	1105	0	.0	.0	.9	12.5	25.4	2.6
Mar	42.0	26.6	34.3	80	2000	7	40.5	2000	-12	1962	1	28.3	1996	952	0	.0	.0	5.2	4.4	22.5	.2
Apr	52.7	35.8	44.3	92	1980	22	48.8	1977	10	1954	3	39.8	1975	623	0	.0	.1	17.0	.2	8.2	.0
May	64.7	45.2	55.0	92+	1998	20	61.1	1998	27	1966	9	49.7	1997	326	15	.0	.1	29.7	.0	.4	.0
Jun	75.6	54.5	65.1	99	1987	14	71.5	1988	36	2001	1	60.6	1993	91	92	.0	1.7	30.0	.0	.0	.0
Jul	81.4	61.4	71.4	108	1995	14	76.3	1983	45	1968	4	67.1	1992	13	212	.1	4.0	31.0	.0	.0	.0
Aug	79.7	61.3	70.5	107	1948	25	75.6	1995	43	1986	28	66.4	1992	19	189	.0	2.4	31.0	.0	.0	.0
Sep	71.9	53.6	62.8	99	1953	2	68.4	1998	28	1950	24	57.4	1993	117	50	.0	.6	30.0	.0	@	.0
Oct	59.4	42.7	51.1	90	1963	6	57.0	1971	21+	1996	31	47.2+	1988	434	1	.0	.0	27.5	.0	2.8	.0
Nov	45.0	31.3	38.2	79	1950	2	44.8	1999	-5	1976	29	30.2	1995	806	0	.0	.0	9.3	2.0	15.9	.1
Dec	33.1	19.3	26.2	65	1998	3	33.7	1982	-21	1983	24	16.3	1983	1202	0	.0	.0	1.3	12.1	27.2	3.0
Ann	55.6	38.6	47.1	108	Jul 1995	14	76.3	Jul 1983	-26+	Jan 1985	20	9.1	Jan 1977	7056	559	.1	8.9	213.1	49.8	131.9	11.9

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: SHEBOYGAN, WI

COOP ID: 477725

Climate Division: WI 6

NWS Call Sign:

Elevation: 648 Feet

Lat: 43°45N

Lon: 87°43W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.76	1.67	1.08	1974	27	3.61	2000	.05	1981	9.8	5.3	.8	.1	.34	.50	.75	.99	1.24	1.50	1.79	2.15	2.62	3.38	4.11
Feb	1.33	1.26	1.45	2001	9	3.46	1971	.02	1987	7.9	3.9	.6	.0	.18	.29	.47	.66	.85	1.07	1.32	1.62	2.03	2.71	3.36
Mar	2.25	1.91	2.60	1998	31	6.26	1976	.20	1978	9.6	5.4	1.3	.3	.45	.65	.98	1.29	1.59	1.92	2.29	2.74	3.34	4.29	5.19
Apr	2.99	3.01	2.12	2001	11	5.49	1993	.72	1989	11.1	6.3	2.2	.6	1.32	1.59	1.96	2.26	2.54	2.83	3.13	3.48	3.92	4.59	5.20
May	2.90	2.88	4.21	1989	30	5.92	1983	.53	1981	10.2	5.9	1.8	.6	.82	1.09	1.51	1.87	2.23	2.60	3.01	3.49	4.12	5.11	6.03
Jun	3.28	3.17	4.07	1997	21	7.51	1996	.55	1995	10.5	6.5	2.0	.4	.79	1.10	1.58	2.00	2.43	2.87	3.37	3.96	4.74	5.97	7.13
Jul	3.19	2.99	3.57	1985	25	6.13	1977	1.30	1971	9.6	6.0	2.2	.7	1.23	1.53	1.95	2.30	2.63	2.97	3.34	3.76	4.31	5.14	5.89
Aug	4.08	3.35	10.84	1998	6	13.30	1998	.80	1976	10.0	6.7	2.4	.9	1.09	1.47	2.06	2.58	3.09	3.62	4.22	4.92	5.84	7.28	8.63
Sep	3.29	2.67	5.19	1986	11	13.20	1986	.13	1979	9.7	6.3	2.0	.9	.52	.80	1.27	1.73	2.20	2.71	3.30	4.01	4.98	6.54	8.04
Oct	2.51	2.43	2.08	1954	4	5.09	1991	.42	1975	9.8	5.7	1.7	.4	.79	1.02	1.38	1.68	1.97	2.28	2.61	3.00	3.51	4.29	5.02
Nov	2.43	2.33	2.10	1992	2	6.54	1985	.38	1976	9.7	5.6	1.7	.3	.52	.75	1.10	1.42	1.75	2.09	2.48	2.95	3.56	4.54	5.46
Dec	1.89	1.87	1.92	1971	15	5.06	1971	.30	1993	9.7	5.4	.8	.3	.40	.58	.86	1.11	1.36	1.63	1.93	2.30	2.78	3.54	4.27
Ann	31.90	31.60	10.84	Aug 1998	6	13.30	Aug 1998	.02	Feb 1987	117.6	69.0	19.5	5.5	25.24	26.58	28.27	29.53	30.64	31.70	32.78	33.97	35.40	37.44	39.18

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

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Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: SHEBOYGAN, WI

COOP ID: 477725

Climate Division: WI 6

NWS Call Sign:

Elevation: 648 Feet

Lat: 43°45N

Lon: 87°43W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	12.7	12.2	5	5	10.5	1993	13	40.0	1979	31	1979	24	19	1979	7.6	4.8	1.8	.7	.1	21.7	16.6	13.9	5.3
Feb	9.9	10.0	6	4	8.0	1983	3	26.4	1994	28	1979	16	24	1979	5.5	3.3	1.2	.4	.0	21.3	16.9	12.7	5.3
Mar	8.4	6.7	2	1	15.3	1971	19	22.6	1989	18	1979	3	9	1979	3.9	2.6	.9	.4	@	10.3	7.0	4.8	1.7
Apr	2.0	.6	#	0	6.2	1973	9	11.5	1973	11	1973	10	1	1982	1.1	.7	.2	.1	.0	.9	.4	.2	@
May	#	.0	0	0	#	1990	10	#+	1990	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	0	0	2.0	1987	24	2.0	1987	0	0	0	0	0	.1	.1	.0	.0	.0	.0	.0	.0	.0
Nov	3.5	1.7	#	#	7.5	1995	27	16.5	1995	11	1995	28	2	1995	1.9	.9	.3	.2	.0	1.3	.6	.4	.1
Dec	9.7	8.8	2	1	12.0	1971	30	22.0	1972	36	2000	30	18	2000	5.5	3.4	1.1	.5	@	14.0	7.8	4.3	.7
Ann	46.3	40.0	N/A	N/A	15.3	Mar 1971	19	40.0	Jan 1979	36	Dec 2000	30	24	Feb 1979	25.6	15.8	5.5	2.3	.1	69.5	49.3	36.3	13.1

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: SHEBOYGAN, WI

COOP ID: 477725

Climate Division: WI 6

NWS Call Sign:

Elevation: 648 Feet

Lat: 43° 45N

Lon: 87° 43W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/19	5/15	5/11	5/09	5/06	5/03	4/30	4/27	4/23
32	5/07	5/02	4/28	4/25	4/22	4/19	4/16	4/13	4/07
28	4/24	4/19	4/16	4/14	4/11	4/09	4/06	4/03	3/29
24	4/14	4/10	4/06	4/04	4/01	3/30	3/27	3/24	3/20
20	4/09	4/04	4/01	3/29	3/27	3/24	3/21	3/18	3/13
16	4/03	3/27	3/22	3/18	3/14	3/10	3/06	3/01	2/22
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/24	9/28	10/01	10/04	10/06	10/09	10/12	10/15	10/19
32	10/03	10/09	10/13	10/17	10/20	10/23	10/27	10/31	11/06
28	10/19	10/24	10/27	10/30	11/02	11/05	11/08	11/11	11/16
24	10/27	11/01	11/04	11/07	11/10	11/13	11/16	11/20	11/25
20	11/05	11/10	11/14	11/18	11/21	11/24	11/27	12/01	12/06
16	11/12	11/18	11/22	11/26	11/29	12/02	12/06	12/10	12/16
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	170	164	160	156	153	149	146	142	136
32	201	194	189	184	180	176	172	166	159
28	223	216	212	208	204	201	197	192	186
24	244	236	231	227	222	218	213	208	201
20	263	254	248	243	238	233	228	222	214
16	288	278	271	265	260	254	248	241	231

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: SHEBOYGAN, WI

COOP ID: 477725

Climate Division: WI 6 NWS Call Sign: Elevation: 648 Feet Lat: 43°45N Lon: 87°43W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1368	1105	952	623	326	91	13	19	117	434	806	1202	7056
60	1213	965	797	474	203	35	1	2	44	286	656	1047	5723
57	1120	881	704	387	143	16	0	0	20	208	566	954	4999
55	1058	825	642	331	109	9	0	0	10	161	507	892	4544
50	903	685	489	204	47	2	0	0	1	72	368	741	3512
32	394	245	87	4	0	0	0	0	0	0	51	276	1057

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	49	64	158	371	712	992	1222	1193	923	589	235	97	6605
55	0	0	0	7	108	311	509	480	242	37	1	0	1695
57	0	0	0	4	80	258	447	418	192	22	0	0	1421
60	0	0	0	1	47	186	355	328	126	8	0	0	1051
65	0	0	0	0	15	92	212	189	50	1	0	0	559
70	0	0	0	0	3	33	100	86	12	0	0	0	234

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	3	41	165	462	749	973	947	690	353	82	6	0	3	44	209	671	1420	2393	3340	4030	4383	4465	4471
45	0	0	12	84	312	599	818	792	540	219	32	1	0	0	12	96	408	1007	1825	2617	3157	3376	3408	3409
50	0	0	6	31	183	449	663	637	396	111	7	0	0	0	6	37	220	669	1332	1969	2365	2476	2483	2483
55	0	0	0	12	93	305	508	482	255	46	1	0	0	0	0	12	105	410	918	1400	1655	1701	1702	1702
60	0	0	0	1	42	178	355	328	139	10	0	0	0	0	0	1	43	221	576	904	1043	1053	1053	1053
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	23	80	240	452	645	629	409	170	28	1	0	0	23	103	343	795	1440	2069	2478	2648	2676	2677

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: SOLON SPRINGS, WI

COOP ID: 477892

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,080 Feet Lat: 46°21N

Lon: 91°49W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max ≥ 100	Max ≥ 90	Max ≥ 50	Max ≤ 32	Min ≤ 32	Min ≤ 0
Jan	19.4	-4.9	7.3	53+	1981	25	17.5	1990	-47	1972	15	-3.4	1982	1792	0	.0	.0	.1	26.8	30.9	18.2
Feb	27.2	1.1	14.2	61	1976	24	29.6	1998	-46	1996	2	1.8	1989	1424	0	.0	.0	.9	18.2	27.9	12.3
Mar	38.4	14.4	26.4	76	1987	8	34.8	1973	-39	1962	1	18.1	1996	1198	0	.0	.0	4.9	8.6	28.9	5.3
Apr	54.0	27.1	40.6	92	1980	21	46.5	1977	-11	1954	3	34.7	1996	734	0	.0	@	18.8	1.0	21.7	.1
May	68.8	38.7	53.8	94+	1986	31	62.4	1977	13	1966	9	46.9	1997	370	21	.0	.5	29.6	@	8.0	.0
Jun	77.2	48.4	62.8	98	1956	10	67.1	1995	29+	1994	2	57.7	1985	115	48	.0	2.0	29.8	.0	.6	.0
Jul	81.3	54.2	67.8	102	1988	28	71.9	1974	34+	1972	4	61.4	1992	44	130	.2	3.8	31.0	.0	.0	.0
Aug	78.9	52.2	65.6	100	1988	17	69.4	1984	32	1950	18	60.9	1977	79	95	@	2.2	31.0	.0	.0	.0
Sep	68.7	42.5	55.6	99	1976	7	61.1	1998	22	1965	26	49.5	1993	291	7	.0	.2	29.4	.0	4.3	.0
Oct	56.1	32.0	44.1	90	1992	3	49.6+	1973	6	1976	27	38.6	1976	650	0	.0	@	22.2	.2	16.6	.0
Nov	37.5	18.8	28.2	73	1978	3	36.6	1999	-26	1985	29	19.3	1995	1106	0	.0	.0	4.9	10.5	27.1	2.4
Dec	23.6	2.9	13.3	58	1982	3	23.5	1997	-41+	1983	20	.4	1983	1605	0	.0	.0	.3	23.8	30.8	12.2
Ann	52.6	27.3	40.0	102	Jul 1988	28	71.9	Jul 1974	-47	Jan 1972	15	-3.4	Jan 1982	9408	301	.2	8.7	202.9	89.1	196.8	50.5

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1920-2001

(3) Derived from 1971-2000 serially complete daily data

**Climatography
of the United States
No. 20
1971-2000**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: SOLON SPRINGS, WI

COOP ID: 477892

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,080 Feet Lat: 46°21N

Lon: 91°49W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.06	.98	1.73	1982	23	2.89	1975	.04	1981	7.0	3.2	.3	@	.19	.28	.44	.58	.73	.89	1.07	1.29	1.58	2.06	2.51
Feb	.81	.62	1.14	1971	27	2.87	1981	.11	1987	5.7	2.5	.3	.1	.10	.16	.27	.39	.51	.64	.79	.98	1.24	1.67	2.08
Mar	1.67	1.56	1.76	1977	12	3.55	1977	.21	1987	6.9	4.2	.9	.2	.38	.54	.78	1.00	1.22	1.45	1.71	2.02	2.43	3.08	3.69
Apr	2.17	2.05	2.94	2001	23	4.12	1981	.37	1987	7.6	5.2	1.2	.3	.64	.85	1.16	1.43	1.68	1.95	2.25	2.60	3.05	3.76	4.42
May	3.22	3.28	3.12	1962	15	5.56	1991	.71	1976	9.5	6.2	2.1	.6	1.03	1.34	1.79	2.17	2.54	2.93	3.35	3.84	4.48	5.47	6.38
Jun	3.95	3.68	3.00	1951	19	7.77	1999	1.59	1987	10.5	6.9	2.5	.8	1.58	1.94	2.46	2.88	3.29	3.70	4.14	4.65	5.30	6.29	7.19
Jul	4.86	4.47	5.60	1999	26	14.95	1999	1.52	1998	9.9	7.4	3.0	1.3	1.67	2.13	2.80	3.36	3.90	4.46	5.07	5.79	6.70	8.11	9.41
Aug	4.24	3.83	5.70	1978	23	9.02	1977	1.11	1982	9.4	6.9	2.4	1.0	1.33	1.74	2.33	2.85	3.34	3.85	4.42	5.07	5.92	7.25	8.47
Sep	3.56	3.11	5.10	1990	5	7.81	1990	.80	1976	10.1	6.4	2.1	.7	.81	1.14	1.66	2.13	2.59	3.09	3.65	4.32	5.20	6.59	7.91
Oct	2.55	1.97	3.95	1950	2	7.73	1971	.59	1976	9.1	5.5	1.6	.4	.68	.92	1.29	1.61	1.93	2.27	2.64	3.08	3.65	4.56	5.41
Nov	2.11	1.81	1.90	1948	25	6.06	1975	.35	1981	8.0	4.6	1.3	.5	.35	.53	.84	1.13	1.43	1.75	2.12	2.57	3.18	4.16	5.09
Dec	.95	.90	1.20	1959	28	2.16	1972	.23	1979	6.9	3.3	.2	@	.25	.34	.48	.60	.72	.85	.98	1.15	1.36	1.70	2.01
Ann	31.15	31.38	5.70	Aug 1978	23	14.95	Jul 1999	.04	Jan 1981	100.6	62.3	17.9	5.9	21.07	22.98	25.45	27.34	29.02	30.66	32.36	34.24	36.54	39.89	42.80

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1920-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: SOLON SPRINGS, WI

COOP ID: 477892

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,080 Feet

Lat: 46°21N

Lon: 91°49W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	13.1	12.0	13	13	15.0	1982	23	25.9	1975	29	1982	23	25	1997	6.0	4.3	1.3	.4	.1	29.4	28.1	26.5	21.7
Feb	8.5	7.3	15	15	10.0	1990	16	23.0	1971	33	1971	6	27	1971	5.1	3.2	.8	.2	@	27.1	27.1	26.4	22.0
Mar	8.4	6.5	11	7	10.0	1975	24	22.3	1975	32+	1979	11	24+	1979	4.1	2.9	.9	.5	.1	22.1	19.4	17.8	14.0
Apr	3.0	2.4	2	#	12.0	1983	15	12.0	1983	24	1975	1	12	1975	1.7	1.2	.5	.1	@	5.1	3.7	3.2	2.0
May	.2	.0	#	0	2.0	1979	5	2.6	1984	6	1984	1	#+	1996	.1	.1	.0	.0	.0	.1	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.5	.0	#	0	2.0	1977	11	3.5	1987	2+	1992	16	#+	1997	.4	.3	.0	.0	.0	.3	.0	.0	.0
Nov	5.3	3.8	2	1	14.0	1991	29	16.0	1982	26	1991	3	13	1991	3.3	2.2	.9	.3	@	8.2	3.3	1.7	.1
Dec	10.2	9.9	6	5	13.0	1982	28	22.0	1982	22+	1996	31	17	1983	5.5	4.0	.9	.2	.1	26.0	19.8	13.3	5.0
Ann	49.2	41.9	N/A	N/A	15.0	Jan 1982	23	25.9	Jan 1975	33	Feb 1971	6	27	Feb 1971	26.2	18.2	5.3	1.7	.3	118.3	101.4	88.9	64.8

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: SOLON SPRINGS, WI

COOP ID: 477892

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,080 Feet

Lat: 46°21N

Lon: 91°49W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/24	6/19	6/15	6/12	6/09	6/06	6/03	5/30	5/25
32	6/13	6/07	6/04	5/31	5/28	5/25	5/22	5/18	5/13
28	5/25	5/21	5/18	5/15	5/13	5/11	5/08	5/05	5/01
24	5/14	5/10	5/07	5/05	5/03	4/30	4/28	4/25	4/21
20	4/30	4/26	4/22	4/20	4/17	4/15	4/12	4/09	4/05
16	4/20	4/17	4/14	4/11	4/09	4/07	4/04	4/02	3/29
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/29	9/02	9/05	9/07	9/10	9/12	9/15	9/18	9/22
32	9/08	9/12	9/14	9/16	9/18	9/20	9/22	9/24	9/28
28	9/20	9/23	9/26	9/28	9/30	10/03	10/05	10/08	10/11
24	9/28	10/02	10/06	10/09	10/12	10/14	10/17	10/21	10/25
20	10/08	10/13	10/17	10/20	10/23	10/26	10/30	11/02	11/08
16	10/23	10/27	10/30	11/02	11/05	11/07	11/10	11/13	11/17
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	112	105	100	96	92	88	84	79	72
32	131	124	120	116	112	108	104	100	93
28	157	151	147	143	140	136	132	128	122
24	178	172	168	164	161	158	154	150	145
20	211	203	197	193	188	184	179	173	166
16	229	222	217	213	209	205	200	195	188

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: SOLON SPRINGS, WI

COOP ID: 477892

Climate Division: WI 1 NWS Call Sign: Elevation: 1,080 Feet Lat: 46°21N Lon: 91°49W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1792	1424	1198	734	370	115	44	79	291	650	1106	1605	9408
60	1637	1284	1043	585	249	44	10	24	167	496	956	1450	7945
57	1544	1200	950	498	188	21	4	10	108	407	866	1357	7153
55	1482	1144	888	441	153	12	0	4	77	350	806	1295	6652
50	1327	1004	733	308	82	2	0	0	26	223	658	1140	5503
32	779	529	254	29	1	0	0	0	0	12	212	607	2423

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	10	29	79	285	675	923	1109	1040	707	386	95	26	5364
55	0	0	0	8	114	245	396	331	94	11	0	0	1199
57	0	0	0	4	87	194	337	275	65	6	0	0	968
60	0	0	0	2	54	128	250	196	34	2	0	0	666
65	0	0	0	0	21	48	130	95	7	0	0	0	301
70	0	0	0	0	6	11	51	33	1	0	0	0	102

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	15	133	452	692	876	808	494	191	20	0	0	0	15	148	600	1292	2168	2976	3470	3661	3681	3681
45	0	0	4	68	313	542	721	653	352	101	8	0	0	0	4	72	385	927	1648	2301	2653	2754	2762	2762
50	0	0	0	30	195	397	566	498	221	44	0	0	0	0	0	30	225	622	1188	1686	1907	1951	1951	1951
55	0	0	0	12	107	263	411	347	118	15	0	0	0	0	0	12	119	382	793	1140	1258	1273	1273	1273
60	0	0	0	2	50	140	262	205	54	1	0	0	0	0	0	2	52	192	454	659	713	714	714	714
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	14	123	320	444	562	516	315	134	15	0	0	0	14	137	457	901	1463	1979	2294	2428	2443	2443

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: SPARTA, WI

COOP ID: 477997

Climate Division: WI 4

NWS Call Sign:

Elevation: 782 Feet Lat: 43°56N

Lon: 90°49W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	23.6	3.0	13.3	57	1981	26	25.3	1990	-48	1951	30	-1.7	1977	1603	0	.0	.0	.3	22.6	30.7	13.2
Feb	30.2	9.4	19.8	62+	2000	24	32.7	1998	-41	1996	3	8.1	1979	1265	0	.0	.0	1.5	15.0	27.3	8.5
Mar	42.0	22.3	32.2	84	1986	30	40.4	2000	-30	1962	1	23.4	1975	1020	0	.0	.0	8.2	5.9	25.8	2.3
Apr	56.9	34.1	45.5	92+	1980	23	52.3	1977	-1	1982	6	40.3	1975	585	1	.0	.1	21.5	.3	13.8	.1
May	69.8	45.3	57.6	92+	1972	21	65.4	1977	21	1966	10	52.3	1997	270	38	.0	.6	30.5	.0	3.0	.0
Jun	78.9	54.5	66.7	100+	1988	22	71.9	1991	32	1964	1	60.5	1982	62	113	.1	2.9	30.0	.0	.0	.0
Jul	82.9	59.3	71.1	105	1995	14	75.4	1999	40+	1984	7	65.7	1992	15	205	.2	5.2	31.0	.0	.0	.0
Aug	80.5	57.1	68.8	102+	1988	18	75.3	1995	32	1982	12	64.0	1977	40	157	.2	3.0	31.0	.0	@	.0
Sep	71.5	47.9	59.7	96+	1978	9	64.8	1998	19	1967	29	54.1	1993	185	26	.0	.7	29.8	.0	2.0	.0
Oct	59.7	36.6	48.2	90+	1976	2	55.9	1971	10+	1976	27	42.5	1988	523	1	.0	@	26.0	.0	11.9	.0
Nov	42.2	24.7	33.5	76	1999	9	40.7	1999	-18	1977	27	25.5	1976	947	0	.0	.0	8.2	5.6	23.5	.8
Dec	28.4	10.3	19.4	65+	2001	6	27.3	1997	-35	1950	27	7.2	1985	1416	0	.0	.0	1.1	18.3	30.2	7.4
Ann	55.6	33.7	44.7	105	Jul 1995	14	75.4	Jul 1999	-48	Jan 1951	30	-1.7	Jan 1977	7931	541	.5	12.5	219.1	67.7	168.2	32.3

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: SPARTA, WI

COOP ID: 477997

Climate Division: WI 4

NWS Call Sign:

Elevation: 782 Feet Lat: 43°56N

Lon: 90°49W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.81	.72	1.23	1967	25	2.17	1996	.00+	1988	7.7	3.7	.3	@	.00	.12	.28	.41	.54	.67	.83	1.01	1.26	1.67	2.05
Feb	.80	.58	1.50	1984	19	2.80	1971	.00+	1993	6.3	2.8	.4	@	.00	.00	.09	.21	.36	.53	.73	.98	1.34	1.95	2.55
Mar	1.78	1.57	1.86	1966	23	4.19	1977	.00	1999	7.6	4.9	1.3	.3	.27	.50	.80	1.05	1.30	1.56	1.85	2.19	2.64	3.35	4.02
Apr	3.17	2.93	3.80	1994	25	6.99	1994	.65	1997	11.4	6.8	1.9	.4	1.08	1.38	1.82	2.19	2.55	2.91	3.31	3.78	4.37	5.30	6.15
May	4.04	4.19	3.16	2000	18	6.97	1973	1.48	1981	11.4	7.4	2.7	1.1	1.64	2.01	2.54	2.97	3.38	3.79	4.24	4.75	5.40	6.40	7.30
Jun	4.15	3.51	3.20	1984	17	10.42	1998	1.49	1983	10.8	7.7	2.7	1.3	1.20	1.59	2.19	2.70	3.20	3.73	4.31	4.99	5.87	7.25	8.54
Jul	4.31	3.85	4.55	1978	1	9.48	1978	.68	1974	10.5	7.5	3.1	1.1	1.18	1.59	2.21	2.76	3.29	3.85	4.46	5.20	6.15	7.64	9.04
Aug	4.47	3.86	3.45	1973	23	12.43	1980	.86	1976	10.9	7.3	3.0	1.3	1.38	1.80	2.43	2.98	3.50	4.05	4.65	5.35	6.26	7.68	9.00
Sep	3.84	3.64	5.42	1994	14	9.01	1992	.33	1979	10.1	6.6	2.3	.9	.60	.93	1.49	2.02	2.56	3.16	3.85	4.69	5.82	7.64	9.40
Oct	2.26	2.36	2.35	1954	3	4.41	1995	.33	1992	9.4	5.2	1.6	.4	.61	.82	1.15	1.44	1.72	2.01	2.34	2.73	3.24	4.03	4.78
Nov	2.24	2.04	2.13	1984	1	4.84	1982	.03	1976	8.6	5.1	1.5	.5	.29	.47	.79	1.10	1.43	1.79	2.21	2.73	3.44	4.60	5.72
Dec	1.13	1.03	1.60	1975	14	2.96	1982	.00	1989	8.1	3.8	.5	.2	.13	.27	.46	.62	.78	.96	1.16	1.40	1.71	2.22	2.70
Ann	33.00	34.41	5.42	Sep 1994	14	12.43	Aug 1980	.00+	Mar 1999	112.8	68.8	21.3	7.5	24.49	26.17	28.30	29.91	31.33	32.70	34.11	35.66	37.54	40.24	42.57

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: SPARTA, WI

COOP ID: 477997

Climate Division: WI 4

NWS Call Sign:

Elevation: 782 Feet

Lat: 43°56N

Lon: 90°49W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	12.8	13.1	7	6	18.0	1971	4	30.5	1971	25+	1996	31	20	1971	6.1	2.9	.9	.4	.1	24.8	21.0	15.1	5.8
Feb	6.7	5.9	7	6	7.0	1971	5	16.2	1974	28	1971	12	26	1971	3.5	1.6	.5	@	.0	21.4	17.2	13.7	9.4
Mar	5.9	5.1	3	1	8.0	1995	7	14.1	1975	23	1971	1	15	1971	2.7	1.6	.4	.2	.0	8.6	6.6	5.1	3.3
Apr	2.0	.9	#	#	7.0	1973	9	14.2	1973	12	1973	10	2	1973	1.2	.6	.2	.1	.0	1.2	.6	.2	@
May	#	.0	#	0	#	1997	1	#+	1997	#	1997	1	#	1997	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	#	0	1.0	1991	19	1.0	1991	3	1992	20	#+	2000	.2	@	.0	.0	.0	.0	.0	.0	.0
Nov	2.6	.9	1	#	4.5	1992	26	10.7	1977	16	1991	29	6	1991	1.4	.6	.2	.0	.0	1.6	1.0	.3	.0
Dec	9.5	8.8	3	2	8.0	1971	30	20.2	1977	27	1985	2	13	1985	4.1	2.1	.5	.1	.0	16.3	10.7	6.6	.6
Ann	39.6	34.7	N/A	N/A	18.0	Jan 1971	4	30.5	Jan 1971	28	Feb 1971	12	26	Feb 1971	19.2	9.4	2.7	.8	.1	73.9	57.1	41.0	19.1

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: SPARTA, WI

COOP ID: 477997

Climate Division: WI 4

NWS Call Sign:

Elevation: 782 Feet

Lat: 43°56N

Lon: 90°49W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/11	6/05	6/01	5/29	5/25	5/22	5/19	5/14	5/09
32	5/26	5/21	5/18	5/15	5/13	5/10	5/07	5/04	4/29
28	5/17	5/10	5/06	5/02	4/28	4/24	4/20	4/16	4/09
24	5/01	4/26	4/22	4/19	4/16	4/13	4/10	4/07	4/02
20	4/17	4/13	4/10	4/07	4/05	4/03	3/31	3/28	3/24
16	4/14	4/10	4/07	4/04	4/01	3/30	3/27	3/24	3/19
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/01	9/06	9/10	9/13	9/16	9/19	9/22	9/26	10/01
32	9/06	9/12	9/17	9/20	9/24	9/27	10/01	10/05	10/11
28	9/20	9/25	9/28	10/01	10/04	10/06	10/09	10/13	10/18
24	10/02	10/08	10/13	10/16	10/19	10/23	10/26	10/31	11/05
20	10/15	10/20	10/24	10/27	10/30	11/02	11/05	11/09	11/14
16	10/22	10/28	11/02	11/06	11/10	11/14	11/18	11/22	11/29
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	131	125	121	117	113	109	106	101	95
32	152	145	141	137	133	130	126	121	115
28	178	171	166	162	158	154	150	145	139
24	209	201	195	190	185	181	176	170	162
20	226	220	215	211	207	204	200	195	189
16	248	239	233	227	222	217	211	205	196

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography
of the United States
No. 20
1971-2000

Station: SPARTA, WI

COOP ID: 477997

Climate Division: WI 4 NWS Call Sign: Elevation: 782 Feet Lat: 43°56N Lon: 90°49W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1603	1265	1020	585	270	62	15	40	185	523	947	1416	7931
60	1448	1125	865	440	166	20	1	10	89	376	797	1261	6598
57	1355	1041	772	358	117	8	0	3	50	295	707	1168	5874
55	1293	985	710	307	90	4	0	1	32	246	647	1106	5421
50	1138	845	564	194	40	0	0	0	7	143	503	951	4385
32	615	400	154	8	0	0	0	0	0	4	117	449	1747

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	34	59	157	414	792	1041	1213	1141	831	505	160	56	6403
55	0	0	0	23	168	355	500	428	173	34	1	0	1682
57	0	0	0	14	134	299	438	368	131	21	0	0	1405
60	0	0	0	6	90	221	345	282	80	9	0	0	1033
65	0	0	0	1	38	113	205	157	26	1	0	0	541
70	0	0	0	0	13	43	99	71	5	0	0	0	231

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	2	51	224	556	810	971	904	592	280	52	3	0	2	53	277	833	1643	2614	3518	4110	4390	4442	4445
45	0	0	23	133	408	660	816	749	444	170	20	1	0	0	23	156	564	1224	2040	2789	3233	3403	3423	3424
50	0	0	10	72	273	510	661	594	305	93	5	0	0	0	10	82	355	865	1526	2120	2425	2518	2523	2523
55	0	0	3	34	163	365	506	439	189	44	1	0	0	0	3	37	200	565	1071	1510	1699	1743	1744	1744
60	0	0	0	14	83	233	356	290	103	16	0	0	0	0	0	14	97	330	686	976	1079	1095	1095	1095
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	37	152	347	524	649	590	373	183	32	1	0	0	37	189	536	1060	1709	2299	2672	2855	2887	2888

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: SPOONER EXPERMNT FARM, WI

COOP ID: 478027

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,100 Feet Lat: 45°49N

Lon: 91°53W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max ≥ 100	Max ≥ 90	Max ≥ 50	Max ≤ 32	Min ≤ 32	Min ≤ 0
Jan	21.8	.0	10.9	57	1973	25	23.7	1990	-45	1935	23	.2	1982	1678	0	.0	.0	.1	25.4	30.9	15.2
Feb	29.5	6.4	18.0	61	2000	29	31.2	1998	-46	1936	16	8.3	1989	1317	0	.0	.0	.9	16.6	27.5	10.1
Mar	41.0	18.8	29.9	81	1946	28	39.3	2000	-38	1962	1	21.3	1975	1088	0	.0	.0	6.4	6.9	27.0	3.6
Apr	57.2	31.5	44.4	90+	1980	21	51.5	1987	-6	1924	1	37.4	1975	621	1	.0	@	21.9	.6	16.5	.1
May	70.7	43.4	57.1	104	1934	31	65.0	1977	15	1966	9	51.4	1997	286	38	.0	@	30.3	.0	4.8	.0
Jun	78.0	52.2	65.1	100+	1933	20	69.6	1988	25	1945	4	59.6	1982	83	85	.0	1.1	30.0	.0	.3	.0
Jul	81.6	57.2	69.4	110+	1936	13	74.2	1988	35	1946	2	63.1	1992	27	164	.1	2.6	31.0	.0	.0	.0
Aug	79.3	55.1	67.2	104	1947	4	71.6	1995	29	1934	28	62.8	1977	53	121	.0	1.1	31.0	.0	@	.0
Sep	70.1	46.7	58.4	98	1931	10	64.9	1998	18	1947	25	52.5	1974	218	20	.0	.1	29.6	.0	2.3	.0
Oct	58.3	36.0	47.2	87+	1953	2	52.8	1971	2	1933	25	41.2	1976	555	0	.0	.0	24.1	.1	12.0	.0
Nov	39.4	22.7	31.1	74	1978	3	40.0	1999	-22	1976	30	23.5	1995	1018	0	.0	.0	5.8	9.0	25.3	1.4
Dec	25.5	7.2	16.4	60	1998	2	25.6	1997	-44	1983	19	3.9	1983	1508	0	.0	.0	.4	22.6	30.7	10.0
Ann	54.4	31.4	42.9	110+	Jul 1936	13	74.2	Jul 1988	-46	Feb 1936	16	.2	Jan 1982	8452	429	.1	4.9	211.5	81.2	177.3	40.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1911-2001

(3) Derived from 1971-2000 serially complete daily data

**Climatography
of the United States
No. 20
1971-2000**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: SPOONER EXPERMNT FARM, WI

COOP ID: 478027

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,100 Feet Lat: 45°49N

Lon: 91°53W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.86	.82	1.35	1996	18	2.07	1996	.05	1981	8.5	2.9	.1	@	.17	.24	.37	.49	.61	.73	.88	1.05	1.28	1.66	2.01
Feb	.66	.49	1.50	1948	28	2.68	1981	.06	1988	6.0	2.0	.2	@	.07	.12	.21	.30	.40	.51	.64	.81	1.03	1.40	1.76
Mar	1.43	1.28	1.55	1922	18	2.93	1998	.33	1987	6.9	3.9	.6	.1	.41	.55	.75	.93	1.10	1.28	1.48	1.71	2.02	2.49	2.94
Apr	2.20	2.34	2.43	2001	23	4.02	1992	.23	1997	8.5	5.4	1.3	.4	.41	.60	.93	1.23	1.53	1.86	2.23	2.68	3.28	4.25	5.17
May	3.10	3.01	4.41	1918	9	6.88	1991	.49	1976	10.8	6.4	2.0	.6	1.04	1.34	1.77	2.13	2.48	2.84	3.23	3.69	4.28	5.19	6.03
Jun	3.98	3.67	4.00	1956	14	7.36	1984	1.27	1987	12.3	7.9	2.8	.7	1.85	2.19	2.67	3.06	3.42	3.78	4.17	4.61	5.17	6.00	6.76
Jul	4.22	3.44	3.73	1987	24	9.59	1986	.86	1975	10.3	6.8	2.9	1.1	1.04	1.43	2.05	2.59	3.14	3.71	4.35	5.11	6.10	7.68	9.16
Aug	4.64	4.42	4.20	1953	1	10.08	1995	1.14	1976	10.8	7.3	3.3	1.6	1.71	2.15	2.77	3.30	3.79	4.30	4.85	5.50	6.31	7.57	8.73
Sep	3.68	3.40	3.33	1957	2	8.10	1980	.65	2000	10.9	7.0	2.5	.7	.89	1.23	1.77	2.25	2.72	3.23	3.79	4.46	5.33	6.73	8.03
Oct	2.58	2.23	2.55	1950	2	5.89	1995	.56	1976	9.6	6.0	1.5	.5	.77	1.02	1.39	1.70	2.01	2.33	2.68	3.10	3.64	4.47	5.25
Nov	1.87	1.56	2.07	1991	1	5.62	1991	.19	1981	8.2	4.4	1.1	.2	.27	.43	.70	.96	1.23	1.53	1.87	2.29	2.85	3.77	4.66
Dec	.84	.82	1.18	1982	28	2.30	1982	.13	1974	7.9	2.7	.3	@	.17	.24	.37	.48	.60	.72	.86	1.03	1.25	1.61	1.94
Ann	30.06	29.88	4.41	May 1918	9	10.08	Aug 1995	.05	Jan 1981	110.7	62.7	18.6	5.9	20.55	22.37	24.71	26.49	28.09	29.63	31.24	33.01	35.18	38.33	41.07

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1911-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: SPOONER EXPERMNT FARM, WI

COOP ID: 478027

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,100 Feet

Lat: 45°49N

Lon: 91°53W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	11.9	10.8	10	10	10.0	1997	4	26.7	1976	31	1972	31	21	1976	7.5	4.3	1.4	.6	@	28.9	27.1	23.9	14.5
Feb	6.4	5.7	11	9	8.7	1990	16	17.1	1971	40	1971	10	28+	1972	4.9	3.1	.6	.2	.0	24.9	23.2	20.7	13.2
Mar	8.8	8.1	7	5	18.0	1996	25	24.3	1985	31	1972	5	18	1976	3.6	2.5	1.0	.4	.1	13.4	10.4	8.3	5.9
Apr	2.4	.5	1	#	10.5	1974	1	12.5	1974	12	1996	1	7	1996	1.0	.8	.2	.2	@	1.4	1.0	.6	@
May	#	.0	#	0	#	1996	1	#+	1996	#+	1996	1	#+	1996	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.7	.0	#	0	4.1	1989	31	4.1	1989	3	1986	14	#+	2000	.3	.3	.1	.0	.0	.1	.1	.0	.0
Nov	6.1	3.8	2	1	14.0	1991	30	24.8	1985	16	1991	30	9	1991	3.9	2.6	.9	.3	@	7.2	4.4	2.6	.2
Dec	10.5	10.4	5	4	12.0	1982	28	20.3	2000	18	1991	5	14	1985	7.4	3.9	.9	.2	@	24.0	19.0	13.1	5.1
Ann	46.8	39.3	N/A	N/A	18.0	Mar 1996	25	26.7	Jan 1976	40	Feb 1971	10	28+	Feb 1972	28.6	17.5	5.1	1.9	.1	99.9	85.2	69.2	38.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: SPOONER EXPERMNT FARM, WI

COOP ID: 478027

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,100 Feet

Lat: 45° 49N

Lon: 91° 53W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/19	6/14	6/10	6/07	6/04	6/02	5/30	5/26	5/21
32	6/09	6/03	5/29	5/25	5/21	5/17	5/13	5/08	5/01
28	5/21	5/16	5/13	5/10	5/07	5/04	5/02	4/28	4/24
24	5/08	5/03	4/29	4/26	4/24	4/21	4/18	4/14	4/09
20	4/25	4/21	4/18	4/15	4/13	4/10	4/08	4/05	3/31
16	4/16	4/12	4/09	4/06	4/04	4/02	3/30	3/27	3/23
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/22	8/28	9/01	9/05	9/08	9/12	9/15	9/20	9/26
32	9/10	9/14	9/17	9/20	9/22	9/25	9/27	9/30	10/04
28	9/18	9/23	9/26	9/28	10/01	10/03	10/06	10/09	10/13
24	10/01	10/06	10/10	10/13	10/16	10/19	10/22	10/26	11/01
20	10/13	10/18	10/22	10/25	10/28	10/31	11/04	11/07	11/13
16	10/19	10/25	10/29	11/02	11/05	11/08	11/12	11/16	11/22
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	117	110	104	100	95	91	86	81	73
32	146	139	133	128	124	119	115	109	101
28	165	159	154	150	146	142	138	133	127
24	200	191	185	180	175	170	165	159	150
20	221	213	207	202	198	193	188	183	175
16	237	229	224	219	214	210	205	200	192

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: SPOONER EXPERMNT FARM, WI

COOP ID: 478027

Climate Division: WI 1 NWS Call Sign: Elevation: 1,100 Feet Lat: 45°49N Lon: 91°53W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1678	1317	1088	621	286	83	27	53	218	555	1018	1508	8452
60	1523	1177	933	477	181	28	5	14	113	405	868	1353	7077
57	1430	1093	840	395	131	12	0	4	68	321	778	1260	6332
55	1368	1037	778	344	102	7	0	2	46	270	718	1198	5870
50	1213	897	631	228	48	1	0	0	12	160	572	1043	4805
32	675	437	201	17	0	0	0	0	0	5	158	521	2014

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	19	44	136	387	776	992	1160	1091	793	474	130	36	6038
55	0	0	0	24	165	308	447	380	149	26	0	0	1499
57	0	0	0	15	131	254	385	320	111	15	0	0	1231
60	0	0	0	7	89	180	297	237	66	6	0	0	882
65	0	0	0	1	38	85	164	121	20	0	0	0	429
70	0	0	0	0	14	26	72	46	4	0	0	0	162

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	2	31	193	536	754	921	846	555	255	33	2	0	2	33	226	762	1516	2437	3283	3838	4093	4126	4128
45	0	1	11	108	386	604	766	691	408	144	14	0	0	1	12	120	506	1110	1876	2567	2975	3119	3133	3133
50	0	0	4	56	252	454	611	536	274	75	3	0	0	0	4	60	312	766	1377	1913	2187	2262	2265	2265
55	0	0	0	24	150	311	456	383	163	32	0	0	0	0	0	24	174	485	941	1324	1487	1519	1519	1519
60	0	0	0	7	75	183	305	243	81	8	0	0	0	0	0	7	82	265	570	813	894	902	902	902
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	21	138	347	486	603	555	340	157	18	0	0	1	22	160	507	993	1596	2151	2491	2648	2666	2666

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: STANLEY, WI

COOP ID: 478110

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,090 Feet Lat: 44°58N

Lon: 90°56W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	19.6	-.4	9.6	53	1981	26	21.0	1990	-46	1951	30	-2.8	1977	1719	0	.0	.0	@	25.3	30.9	15.4
Feb	26.2	4.6	15.4	57	1981	18	29.3	1998	-37	1951	9	4.8	1989	1388	0	.0	.0	.5	17.6	27.6	9.5
Mar	38.4	18.1	28.3	84	1986	30	38.0	1973	-41	1962	1	20.5	1975	1139	0	.0	.0	5.0	7.9	26.9	3.0
Apr	53.9	31.2	42.6	89	1980	22	49.4	1977	0	1956	30	36.3	1975	673	0	.0	.0	19.9	.5	16.1	.0
May	66.8	42.5	54.7	91	1959	2	62.4	1977	19+	1967	3	48.9	1983	344	23	.0	@	30.2	.0	3.6	.0
Jun	75.4	52.2	63.8	94+	1987	15	68.9	1991	29	1972	10	58.0	1982	103	66	.0	.8	30.0	.0	.2	.0
Jul	79.5	56.9	68.2	99+	1995	15	72.1+	1988	38+	1984	7	62.8	1992	37	135	.0	2.6	31.0	.0	.0	.0
Aug	77.2	54.9	66.1	104	1964	2	70.6	1988	31	1950	20	62.2	1977	65	97	.1	1.3	31.0	.0	.0	.0
Sep	68.1	45.1	56.6	97	1976	7	61.9	1998	19	1956	20	51.1	1993	262	10	.0	.2	29.6	.0	1.8	.0
Oct	56.4	34.4	45.4	91	1976	1	51.9	1971	8	1962	26	39.7	1988	609	0	.0	@	23.8	.1	13.1	.0
Nov	38.6	21.5	30.1	75	1975	4	37.8	1999	-16	1956	23	22.4	1995	1049	0	.0	.0	6.1	7.5	25.5	1.4
Dec	24.2	6.7	15.5	63	2001	6	24.5	1997	-39	1983	19	1.9	1983	1536	0	.0	.0	.3	22.1	30.6	9.8
Ann	52.0	30.6	41.4	104	Aug 1964	2	72.1+	Jul 1988	-46	Jan 1951	30	-2.8	Jan 1977	8924	331	.1	4.9	207.4	81.0	176.3	39.1

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20

1971-2000

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Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: STANLEY, WI

COOP ID: 478110

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,090 Feet Lat: 44°58N

Lon: 90°56W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.99	.83	.81	1997	5	2.41	1997	.03	1981	8.5	3.5	.2	.0	.16	.24	.38	.52	.66	.82	.99	1.21	1.50	1.97	2.42
Feb	.80	.63	.87+	1998	2	2.12	1971	.07	1987	6.5	2.5	.2	.0	.12	.19	.30	.41	.52	.65	.80	.97	1.21	1.60	1.97
Mar	1.61	1.62	1.68	1973	11	3.82	1977	.03	1978	7.6	4.1	.8	.2	.23	.36	.59	.82	1.05	1.31	1.60	1.97	2.46	3.27	4.04
Apr	2.65	2.66	2.12	1954	30	4.86	1975	.41	1997	10.0	6.5	1.6	.4	.92	1.17	1.54	1.84	2.14	2.44	2.77	3.15	3.65	4.41	5.11
May	3.49	3.02	2.86	1989	29	7.61	1973	.67	1986	10.5	6.8	2.2	.7	.81	1.13	1.64	2.10	2.56	3.04	3.58	4.23	5.07	6.42	7.69
Jun	4.21	3.88	4.53	1980	5	12.25	1980	.93	1995	11.1	7.5	3.0	1.0	1.09	1.49	2.10	2.64	3.17	3.73	4.34	5.08	6.03	7.54	8.96
Jul	4.04	3.99	3.91	1959	8	8.76	1999	.22	1974	11.1	6.7	2.6	1.1	.83	1.20	1.79	2.33	2.88	3.46	4.12	4.92	5.97	7.64	9.23
Aug	4.52	4.23	3.88	2001	2	9.38	1980	1.23	1976	10.5	6.9	3.2	1.2	1.64	2.06	2.68	3.19	3.68	4.18	4.72	5.36	6.17	7.42	8.56
Sep	3.76	3.33	4.27	2000	11	13.00	1986	.52	1976	11.0	6.8	2.3	.9	.64	.97	1.52	2.04	2.56	3.14	3.79	4.59	5.65	7.37	9.01
Oct	2.24	2.09	2.34	1966	15	5.35	1979	.10	1976	9.3	5.5	1.1	.5	.52	.73	1.06	1.35	1.64	1.95	2.30	2.71	3.25	4.11	4.92
Nov	2.17	1.65	2.11	1991	2	8.15	1991	.17	1976	9.0	4.8	1.4	.2	.38	.58	.89	1.19	1.49	1.82	2.19	2.64	3.25	4.22	5.14
Dec	1.11	.94	1.24	1965	12	2.72	1972	.22	1986	8.9	3.8	.3	@	.24	.34	.51	.65	.80	.96	1.14	1.35	1.63	2.08	2.50
Ann	31.59	31.19	4.53	Jun 1980	5	13.00	Sep 1986	.03+	Jan 1981	114.0	65.4	18.9	6.2	19.92	22.08	24.89	27.07	29.03	30.94	32.94	35.16	37.90	41.91	45.43

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

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Climatology of the United States

No. 20 1971-2000

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Station: STANLEY, WI

COOP ID: 478110

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,090 Feet

Lat: 44°58N

Lon: 90°56W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	11.1	11.0	12	12	9.0	1971	4	27.4	1971	31+	1982	31	24	1979	7.8	4.6	1.5	.6	.0	-9.9	-9.9	-9.9	-9.9
Feb	7.2	5.9	15	14	9.0	1971	5	20.5	1971	43	1971	16	40	1971	4.6	2.9	.8	.2	.0	-9.9	-9.9	-9.9	-9.9
Mar	7.6	4.0	5	2	12.0	1989	3	29.5	1989	41	1971	4	28	1971	3.4	2.0	1.0	.6	@	8.6	7.3	5.5	3.9
Apr	2.4	1.1	#	#	8.0	1993	1	13.0	1993	13	1975	1	3	1975	1.5	1.0	.3	@	.0	1.2	.8	.7	.2
May	.0	.0	0	0	.5	1973	2	.5	1973	0	0	0	0	0	@	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	#	0	#	1993	29	#	1993	#	1987	2	#	1987	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.5	.0	#	0	4.0	1992	20	4.0	1992	2	1986	14	#+	1997	.3	.2	@	.0	.0	.1	.0	.0	.0
Nov	4.2	3.0	1	#	7.0	1971	26	12.4	1978	13	1983	30	8	1991	3.6	2.4	.7	.4	.0	3.7	2.0	1.5	.6
Dec	10.2	7.8	6	4	12.0	1985	1	24.9	1972	23	1972	31	18	1985	7.4	4.8	1.3	.2	@	23.7	20.2	16.0	7.6
Ann	43.2	32.8	N/A	N/A	12.0+	Mar 1989	3	29.5	Mar 1989	43	Feb 1971	16	40	Feb 1971	28.6	17.9	5.6	2.0	@	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: STANLEY, WI

COOP ID: 478110

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,090 Feet

Lat: 44°58N

Lon: 90°56W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/14	6/08	6/04	6/01	5/28	5/25	5/21	5/17	5/11
32	6/03	5/28	5/24	5/20	5/17	5/13	5/09	5/05	4/29
28	5/14	5/10	5/06	5/03	5/01	4/28	4/25	4/22	4/17
24	5/01	4/26	4/22	4/19	4/17	4/14	4/11	4/07	4/02
20	4/19	4/15	4/12	4/10	4/07	4/05	4/02	3/31	3/27
16	4/15	4/11	4/07	4/05	4/02	3/31	3/28	3/25	3/20
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/05	9/08	9/11	9/13	9/15	9/17	9/19	9/22	9/25
32	9/11	9/16	9/20	9/23	9/26	9/29	10/02	10/05	10/10
28	9/23	9/27	9/30	10/02	10/05	10/07	10/09	10/12	10/16
24	10/02	10/07	10/11	10/15	10/18	10/21	10/24	10/28	11/03
20	10/14	10/19	10/23	10/26	10/29	11/01	11/04	11/08	11/13
16	10/24	10/30	11/03	11/07	11/10	11/13	11/17	11/21	11/27
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	130	123	118	113	109	105	100	95	88
32	156	148	142	136	131	126	121	115	106
28	174	168	164	160	156	153	149	144	138
24	205	198	192	188	184	179	175	170	163
20	223	217	212	208	204	200	196	191	185
16	245	237	231	226	221	216	211	205	197

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: STANLEY, WI

COOP ID: 478110

Climate Division: WI 1 NWS Call Sign: Elevation: 1,090 Feet Lat: 44°58N Lon: 90°56W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1719	1388	1139	673	344	103	37	65	262	609	1049	1536	8924
60	1564	1248	984	526	226	39	8	17	144	457	899	1381	7493
57	1471	1164	891	441	168	18	1	6	90	369	809	1288	6716
55	1409	1108	829	386	135	10	0	2	63	313	749	1226	6230
50	1254	968	676	262	69	2	0	0	19	192	600	1071	5113
32	710	494	222	22	0	0	0	0	0	7	167	555	2177

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	15	30	106	339	702	953	1122	1056	738	421	107	42	5631
55	0	0	0	14	124	273	409	345	110	14	0	0	1289
57	0	0	0	8	95	221	348	286	78	8	0	0	1044
60	0	0	0	4	60	152	261	205	42	3	0	0	727
65	0	0	0	0	23	66	135	97	10	0	0	0	331
70	0	0	0	0	7	18	53	32	1	0	0	0	111

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	28	183	506	743	908	842	547	241	31	2	0	0	28	211	717	1460	2368	3210	3757	3998	4029	4031
45	0	0	11	103	360	593	753	687	402	137	13	0	0	0	11	114	474	1067	1820	2507	2909	3046	3059	3059
50	0	0	4	52	230	445	598	532	266	66	3	0	0	0	4	56	286	731	1329	1861	2127	2193	2196	2196
55	0	0	0	22	130	304	444	381	152	25	0	0	0	0	0	22	152	456	900	1281	1433	1458	1458	1458
60	0	0	0	8	65	176	293	233	75	7	0	0	0	0	0	8	73	249	542	775	850	857	857	857
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	19	128	316	468	596	542	331	150	22	0	0	0	19	147	463	931	1527	2069	2400	2550	2572	2572

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: STEVENS POINT, WI

COOP ID: 478171

Climate Division: WI 5

NWS Call Sign:

Elevation: 1,079 Feet Lat: 44°30N

Lon: 89°35W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	22.7	3.2	13.0	54	1981	26	25.4	1990	-34	1963	15	1.0	1977	1614	0	.0	.0	.1	23.8	30.8	11.7
Feb	27.8	7.9	17.9	62	2000	27	30.8	1998	-38	1951	9	7.9	1979	1320	0	.0	.0	.9	17.1	27.5	7.8
Mar	39.0	20.2	29.6	81	1986	30	38.4	2000	-31	1962	1	22.5	1996	1098	0	.0	.0	6.0	7.6	26.1	2.6
Apr	53.8	33.4	43.6	90+	1952	29	50.1	1977	2	1954	3	36.7	1975	643	1	.0	.0	19.6	.4	13.9	.0
May	67.1	44.9	56.0	91+	1967	27	64.4	1977	21+	1966	9	49.5	1983	311	32	.0	@	30.2	.0	2.0	.0
Jun	76.0	54.5	65.3	96+	1994	18	70.5	1995	33+	1972	10	59.6	1982	83	91	.0	1.4	30.0	.0	.0	.0
Jul	80.0	59.4	69.7	102	1995	14	73.7	1983	40	1952	29	63.9	1992	19	165	@	2.3	31.0	.0	.0	.0
Aug	77.5	57.1	67.3	102	1948	24	72.5	1995	35	1965	29	63.5	1986	48	119	@	1.4	31.0	.0	.0	.0
Sep	68.7	47.3	58.0	95+	1955	9	63.6	1998	25	1949	29	51.8	1993	228	19	.0	.2	29.5	.0	.9	.0
Oct	56.3	36.2	46.3	90	1976	2	53.5	1971	9	1952	29	40.9	1987	582	0	.0	@	24.2	.0	9.5	.0
Nov	40.5	23.2	31.9	74	1964	4	40.2	1999	-12	1950	25	24.3	1976	994	0	.0	.0	7.2	6.5	23.5	.5
Dec	26.9	9.9	18.4	62	2001	5	26.9	1997	-28	1951	24	7.5	1985	1445	0	.0	.0	.7	19.6	30.2	6.8
Ann	53.0	33.1	43.1	102+	Jul 1995	14	73.7	Jul 1983	-38	Feb 1951	9	1.0	Jan 1977	8385	427	.0	5.3	210.4	75.0	164.4	29.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: STEVENS POINT, WI

COOP ID: 478171

Climate Division: WI 5

NWS Call Sign:

Elevation: 1,079 Feet Lat: 44°30N

Lon: 89°35W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.11	1.00	1.22	1980	16	2.79	1980	.06	1981	10.0	3.6	.3	@	.23	.33	.49	.64	.79	.95	1.13	1.34	1.63	2.08	2.51
Feb	.98	.94	1.28	1953	11	2.79	1981	.07	1987	7.7	3.0	.4	@	.17	.25	.40	.53	.67	.82	.99	1.20	1.47	1.92	2.35
Mar	1.95	1.89	1.94	1973	7	4.35	1973	.19	1999	9.5	5.0	1.0	.2	.41	.59	.87	1.13	1.40	1.68	1.99	2.38	2.88	3.68	4.45
Apr	2.87	2.84	2.40	1981	4	5.27	1981	.66	1997	11.3	6.7	1.8	.4	.98	1.25	1.65	1.98	2.30	2.63	3.00	3.42	3.96	4.80	5.57
May	3.63	3.32	4.16	1969	27	8.52	1989	1.20	1981	11.0	6.7	2.5	.9	1.29	1.64	2.13	2.54	2.94	3.35	3.79	4.31	4.96	5.98	6.91
Jun	3.66	3.40	2.88	1956	26	9.04	2000	.94	1988	11.7	7.5	2.3	.7	.93	1.28	1.81	2.28	2.74	3.23	3.77	4.42	5.26	6.59	7.84
Jul	4.12	3.81	3.87	1982	11	8.68	1982	.84	1998	10.9	7.5	2.5	1.0	1.38	1.77	2.34	2.83	3.29	3.77	4.30	4.91	5.69	6.91	8.03
Aug	4.11	3.69	2.74	1958	30	8.91	1995	1.60	1976	11.3	7.5	3.1	1.0	1.75	2.13	2.65	3.07	3.47	3.88	4.31	4.81	5.45	6.41	7.28
Sep	3.78	3.39	2.94	1983	20	8.33	1986	.20	1979	11.5	7.1	2.3	1.0	.85	1.20	1.76	2.25	2.75	3.28	3.88	4.59	5.53	7.01	8.42
Oct	2.31	2.03	3.20	1954	3	5.63	1984	.17	2000	9.6	5.4	1.5	.5	.54	.76	1.09	1.40	1.70	2.01	2.37	2.80	3.36	4.24	5.07
Nov	2.27	2.11	2.81	1984	1	5.20	1991	.04	1976	10.5	5.1	1.3	.4	.27	.45	.77	1.09	1.42	1.80	2.23	2.77	3.50	4.71	5.88
Dec	1.34	1.44	1.45	1953	6	2.99	1982	.27	1994	10.2	4.1	.5	@	.26	.38	.58	.76	.94	1.14	1.36	1.63	1.98	2.55	3.08
Ann	32.13	32.34	4.16	May 1969	27	9.04	Jun 2000	.04	Nov 1976	125.2	69.2	19.5	6.1	24.70	26.18	28.05	29.46	30.70	31.88	33.10	34.44	36.05	38.37	40.35

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: STEVENS POINT, WI

COOP ID: 478171

Climate Division: WI 5

NWS Call Sign:

Elevation: 1,079 Feet

Lat: 44°30N

Lon: 89°35W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	11.4	10.7	7	7	11.0	2000	13	24.4+	1982	19	1982	22	14+	1997	7.7	4.3	1.3	.3	@	29.6	23.9	20.2	9.3
Feb	9.2	9.8	9	9	8.0	1971	5	17.2	1971	25	1971	6	19	1971	5.2	3.2	.9	.1	.0	25.4	23.1	20.4	10.2
Mar	7.7	7.0	5	3	10.0	1997	14	19.4	1989	24	1997	15	14	1979	3.8	2.9	.9	.2	@	15.3	11.8	9.4	5.0
Apr	1.8	1.0	#	#	6.0	1977	5	9.0	1977	8	1975	1	2	1975	1.0	.8	.2	.1	.0	1.6	.7	.3	.0
May	#	.0	#	0	#	1976	2	#+	1976	#	1997	1	#	1997	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	#	0	1.5	1992	20	1.5	1992	2+	1992	20	#+	1992	.1	.1	.0	.0	.0	.1	.0	.0	.0
Nov	2.7	1.0	1	#	5.5	1986	20	10.7	1971	9	1991	29	2+	2000	2.8	1.7	.6	.2	.0	4.0	2.2	.9	.0
Dec	11.7	10.3	4	3	6.5	1990	15	25.9	2000	18	2000	29	12	1985	7.7	4.4	1.3	.3	.0	23.1	18.1	11.3	2.6
Ann	44.6	39.8	N/A	N/A	11.0	Jan 2000	13	25.9	Dec 2000	25	Feb 1971	6	19	Feb 1971	28.3	17.4	5.2	1.2	@	99.1	79.8	62.5	27.1

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: STEVENS POINT, WI

COOP ID: 478171

Climate Division: WI 5

NWS Call Sign:

Elevation: 1,079 Feet

Lat: 44°30N

Lon: 89°35W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/02	5/28	5/24	5/21	5/18	5/15	5/12	5/08	5/03
32	5/18	5/14	5/11	5/08	5/06	5/03	5/01	4/28	4/23
28	5/07	5/02	4/29	4/26	4/23	4/20	4/17	4/14	4/09
24	4/25	4/20	4/17	4/15	4/13	4/10	4/08	4/05	4/01
20	4/15	4/11	4/08	4/06	4/03	4/01	3/29	3/26	3/22
16	4/12	4/07	4/03	3/31	3/28	3/25	3/22	3/18	3/13
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/10	9/14	9/16	9/18	9/20	9/22	9/25	9/27	10/01
32	9/21	9/24	9/26	9/28	9/30	10/02	10/04	10/06	10/10
28	9/26	10/01	10/04	10/07	10/10	10/13	10/16	10/20	10/25
24	10/10	10/16	10/20	10/24	10/27	10/30	11/03	11/07	11/13
20	10/21	10/26	10/29	11/01	11/04	11/07	11/10	11/13	11/18
16	10/27	11/02	11/06	11/09	11/13	11/16	11/19	11/23	11/29
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	146	139	133	129	125	121	116	111	104
32	162	157	153	150	147	144	140	137	131
28	192	184	179	174	170	165	160	155	147
24	220	212	206	201	197	192	187	181	173
20	234	227	222	218	214	210	206	202	195
16	253	244	239	234	229	224	219	214	205

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: STEVENS POINT, WI

COOP ID: 478171

Climate Division: WI 5 NWS Call Sign: Elevation: 1,079 Feet Lat: 44°30N Lon: 89°35W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1614	1320	1098	643	311	83	19	48	228	582	994	1445	8385
60	1459	1180	943	497	201	30	2	11	122	432	844	1290	7011
57	1366	1096	850	413	147	14	0	3	75	347	754	1197	6262
55	1304	1040	788	359	117	8	0	1	52	294	694	1135	5792
50	1149	900	636	239	57	1	0	0	16	180	548	980	4706
32	611	428	192	16	0	0	0	0	0	7	139	464	1857

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	20	32	117	364	744	998	1169	1094	781	448	135	42	5944
55	0	0	0	17	147	316	456	382	142	23	0	0	1483
57	0	0	0	10	116	262	394	322	106	13	0	0	1223
60	0	0	0	5	77	188	302	237	62	5	0	0	876
65	0	0	0	1	32	91	165	119	19	0	0	0	427
70	0	0	0	0	11	30	68	43	3	0	0	0	155

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	1	40	203	536	781	941	877	588	273	52	2	0	1	41	244	780	1561	2502	3379	3967	4240	4292	4294
45	0	0	15	118	389	631	786	722	440	165	22	0	0	0	15	133	522	1153	1939	2661	3101	3266	3288	3288
50	0	0	6	62	255	482	631	567	299	83	5	0	0	0	6	68	323	805	1436	2003	2302	2385	2390	2390
55	0	0	2	27	152	340	476	412	184	39	1	0	0	0	2	29	181	521	997	1409	1593	1632	1633	1633
60	0	0	0	11	74	208	322	262	96	11	0	0	0	0	0	11	85	293	615	877	973	984	984	984
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	24	131	326	496	623	568	351	155	27	0	0	0	24	155	481	977	1600	2168	2519	2674	2701	2701

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: STOUGHTON, WI

COOP ID: 478229

Climate Division: WI 8

NWS Call Sign:

Elevation: 840 Feet

Lat: 42°37N

Lon: 89°45W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	25.8	7.4	16.6	56	1967	25	27.3	1990	-35	1951	30	3.6	1977	1501	0	.0	.0	.4	21.5	30.7	10.6
Feb	31.3	12.1	21.7	66	2000	26	34.3	1998	-30	1959	2	9.9	1979	1212	0	.0	.0	1.4	14.3	27.1	6.4
Mar	42.9	23.5	33.2	82	1986	30	41.3	1973	-16	1962	1	26.9	1984	986	0	.0	.0	8.0	5.0	25.6	.8
Apr	56.6	34.5	45.6	92	1980	23	52.4	1977	2	1982	6	38.5	1982	585	1	.0	@	21.2	.3	12.6	.0
May	69.6	46.2	57.9	95	1949	5	65.3	1977	22	1989	6	51.6	1997	260	39	.0	.4	30.6	.0	1.4	.0
Jun	79.2	55.7	67.5	101	1988	21	71.8	1971	34	1977	9	62.3	1982	43	117	.1	2.6	30.0	.0	.0	.0
Jul	82.7	60.3	71.5	100+	1988	16	75.7	1983	41	1968	3	66.9	1992	9	210	.1	4.8	31.0	.0	.0	.0
Aug	80.3	57.9	69.1	103	1988	2	75.2	1995	38+	1986	28	64.2	1992	38	164	.1	2.5	31.0	.0	.0	.0
Sep	72.4	48.4	60.4	98	1978	9	65.8	1971	19	1989	24	55.5	1993	167	29	.0	.6	30.0	.0	1.1	.0
Oct	60.8	37.2	49.0	89	1982	1	58.9	1971	12	1988	30	41.3	1987	503	6	.0	.0	26.5	.0	10.2	.0
Nov	44.6	26.0	35.3	77	1950	1	42.7	1999	-12+	1950	25	27.8	1991	893	0	.0	.0	9.8	3.8	22.6	.4
Dec	30.8	13.5	22.2	66	2001	6	30.4	1998	-26	1983	24	9.5	1983	1329	0	.0	.0	1.2	15.7	29.5	5.2
Ann	56.4	35.2	45.8	103	Aug 1988	2	75.7	Jul 1983	-35	Jan 1951	30	3.6	Jan 1977	7526	566	.3	10.9	221.1	60.6	160.8	23.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: STOUGHTON, WI

COOP ID: 478229

Climate Division: WI 8

NWS Call Sign:

Elevation: 840 Feet Lat: 42°37N

Lon: 89°45W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.34	1.30	1.41	1960	13	3.15	1999	.33	1981	8.0	4.1	.6	.1	.32	.45	.64	.82	.99	1.17	1.37	1.62	1.93	2.43	2.90
Feb	1.27	1.33	1.70	2001	9	2.79	2000	.03+	1995	6.4	3.2	.7	.2	.09	.17	.33	.51	.70	.93	1.20	1.55	2.02	2.83	3.63
Mar	2.02	1.76	2.30	1998	31	5.01	1976	.38	1980	8.4	5.1	1.0	.2	.42	.61	.90	1.18	1.45	1.74	2.07	2.46	2.98	3.81	4.60
Apr	3.40	2.85	2.37	1999	23	7.85	1999	1.30	1997	11.1	6.9	2.3	.8	1.19	1.51	1.98	2.37	2.74	3.13	3.55	4.04	4.67	5.64	6.53
May	3.44	3.63	4.45	1995	31	6.84	1999	.87	1992	11.2	7.2	2.5	.7	.97	1.29	1.79	2.22	2.64	3.08	3.57	4.14	4.89	6.06	7.15
Jun	3.84	4.05	3.06	2000	1	7.56	1993	.62	1992	10.3	6.5	2.6	1.2	1.19	1.55	2.09	2.56	3.01	3.48	3.99	4.59	5.37	6.59	7.71
Jul	3.82	3.50	3.95	1950	19	7.36	1982	1.43	1973	9.5	6.6	2.6	1.1	1.59	1.94	2.43	2.83	3.21	3.59	4.00	4.48	5.08	6.00	6.83
Aug	4.06	3.76	3.92	2001	2	8.50	1981	1.23	1978	9.5	6.7	3.1	1.0	1.62	2.00	2.53	2.97	3.38	3.80	4.26	4.78	5.45	6.47	7.40
Sep	3.40	2.71	5.05	1981	1	8.86	1986	.11	1979	8.7	5.6	2.3	.8	.39	.65	1.13	1.60	2.11	2.67	3.33	4.15	5.26	7.09	8.87
Oct	2.32	1.88	2.33	1991	25	5.91	1984	.35	1975	8.7	5.2	1.6	.5	.49	.70	1.04	1.35	1.66	1.99	2.37	2.82	3.41	4.36	5.25
Nov	2.42	1.79	2.22	1952	17	6.63	1985	.17	1976	8.8	5.4	1.6	.5	.52	.75	1.10	1.42	1.75	2.09	2.48	2.94	3.55	4.53	5.45
Dec	1.60	1.50	1.63	1988	27	3.63	1971	.44	1976	8.2	4.0	.8	.1	.42	.58	.81	1.01	1.21	1.42	1.65	1.93	2.29	2.85	3.38
Ann	32.93	32.80	5.05	Sep 1981	1	8.86	Sep 1986	.03+	Feb 1995	108.8	66.5	21.7	7.2	25.56	27.03	28.90	30.29	31.52	32.70	33.90	35.23	36.82	39.10	41.06

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: STOUGHTON, WI

COOP ID: 478229

Climate Division: WI 8

NWS Call Sign:

Elevation: 840 Feet

Lat: 42°37N

Lon: 89°45W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	9.0	8.6	6	5	11.0	1999	3	19.6	1971	26	1979	28	19	1979	5.4	3.8	1.0	.2	.1	18.2	14.4	10.4	4.8
Feb	7.5	5.3	6	4	8.0	1994	20	35.5	1994	26	1979	22	25	1979	3.7	2.3	.9	.4	.0	16.7	13.1	8.0	2.1
Mar	5.2	4.0	2	1	12.0	1971	19	17.1	1971	22	1979	2	13	1979	2.6	1.5	.5	.2	.1	5.9	3.6	1.9	.6
Apr	1.6	.0	#	0	7.1	1973	10	12.6	1973	10	1973	10	1	1982	.5	.3	.2	.1	.0	1.2	.9	.4	.1
May	.0	.0	#	0	.5	1990	10	.5	1990	2	1994	1	#	1994	@	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	#	0	.0	0	0	.0	0	#	2000	6	#	2000	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.2	.0	#	0	2.0	1992	20	2.0+	1997	2	1997	27	#	1997	.1	.1	.0	.0	.0	@	.0	.0	.0
Nov	1.4	.2	#	#	4.5	1977	28	7.2	1971	8	1977	28	1	1985	1.2	.9	.2	.0	.0	1.3	.2	.1	.0
Dec	7.0	5.5	3	2	8.0	2000	19	18.0	1983	27	2000	30	14	2000	4.4	3.1	1.1	.4	.0	14.4	7.9	4.1	1.0
Ann	31.9	23.6	N/A	N/A	12.0	Mar 1971	19	35.5	Feb 1994	27	Dec 2000	30	25	Feb 1979	17.9	12.0	3.9	1.3	.2	57.7	40.1	24.9	8.6

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: **STOUGHTON, WI**

COOP ID: 478229

Climate Division: **WI 8**

NWS Call Sign:

Elevation: **840 Feet**

Lat: **42°37N**

Lon: **89°45W**

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/03	5/27	5/23	5/19	5/15	5/11	5/07	5/02	4/26
32	5/16	5/11	5/08	5/05	5/02	4/30	4/27	4/24	4/19
28	5/04	4/29	4/26	4/23	4/20	4/17	4/14	4/10	4/05
24	4/24	4/19	4/16	4/13	4/10	4/07	4/04	4/01	3/27
20	4/14	4/10	4/07	4/04	4/02	3/30	3/27	3/24	3/20
16	4/09	4/04	3/30	3/27	3/23	3/20	3/16	3/12	3/06
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/12	9/16	9/20	9/23	9/25	9/28	10/01	10/04	10/09
32	9/18	9/23	9/26	9/29	10/02	10/05	10/08	10/12	10/17
28	9/22	9/28	10/02	10/06	10/09	10/12	10/16	10/20	10/26
24	10/06	10/12	10/17	10/21	10/25	10/29	11/02	11/07	11/14
20	10/15	10/22	10/27	10/31	11/04	11/08	11/13	11/18	11/25
16	10/26	11/02	11/07	11/12	11/16	11/20	11/24	11/30	12/07
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	155	147	142	137	133	128	124	118	110
32	175	167	161	157	152	148	143	138	130
28	195	187	181	176	172	167	162	156	149
24	223	214	208	203	197	192	187	181	172
20	240	232	226	221	216	211	206	200	192
16	267	257	249	243	237	231	225	217	207

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: STOUGHTON, WI

COOP ID: 478229

Climate Division: WI 8 NWS Call Sign: Elevation: 840 Feet Lat: 42°37N Lon: 89°45W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1501	1212	986	585	260	43	9	38	167	503	893	1329	7526
60	1346	1072	831	440	158	11	0	9	77	363	743	1174	6224
57	1253	988	738	358	110	4	0	3	42	287	653	1081	5517
55	1191	932	676	307	84	2	0	0	27	242	594	1019	5074
50	1036	792	529	193	37	0	0	0	6	148	452	864	4057
32	515	350	125	8	0	0	0	0	0	7	88	374	1467

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	36	62	162	414	803	1064	1224	1149	852	533	185	68	6552
55	0	0	0	23	174	375	511	437	188	56	2	0	1766
57	0	0	0	14	138	318	449	377	144	39	1	0	1480
60	0	0	0	7	93	234	356	290	88	21	0	0	1089
65	0	0	0	1	39	117	210	164	29	6	0	0	566
70	0	0	0	0	13	40	95	76	5	0	0	0	229

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	3	58	225	570	835	990	913	625	309	66	5	0	3	61	286	856	1691	2681	3594	4219	4528	4594	4599
45	0	0	27	134	418	685	835	758	476	188	27	2	0	0	27	161	579	1264	2099	2857	3333	3521	3548	3550
50	0	0	11	68	279	535	680	603	333	104	10	0	0	0	11	79	358	893	1573	2176	2509	2613	2623	2623
55	0	0	3	34	166	389	525	449	212	47	1	0	0	0	3	37	203	592	1117	1566	1778	1825	1826	1826
60	0	0	0	12	84	248	370	299	114	13	0	0	0	0	0	12	96	344	714	1013	1127	1140	1140	1140
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	3	37	146	348	537	659	597	390	195	41	2	0	3	40	186	534	1071	1730	2327	2717	2912	2953	2955

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: STURGEON BAY EXP FARM, WI

COOP ID: 478267

Climate Division: WI 6

NWS Call Sign:

Elevation: 656 Feet Lat: 44°52N

Lon: 87°20W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	24.3	7.8	16.1	55	1944	26	26.1	1990	-29	1982	17	4.9	1977	1519	0	.0	.0	.0	22.8	30.5	8.3
Feb	27.9	10.9	19.4	58+	1964	29	31.5	1998	-29+	1933	10	8.9	1979	1276	0	.0	.0	.1	17.2	27.4	5.3
Mar	37.8	21.4	29.6	76+	2000	8	39.4	2000	-23	1962	2	22.4	1972	1097	0	.0	.0	3.8	7.1	26.2	1.2
Apr	50.4	32.4	41.4	85+	1990	25	46.1	1987	2	1923	4	35.4	1975	709	0	.0	.0	17.3	.5	13.6	.0
May	63.9	42.8	53.4	91+	1944	29	60.3	1998	20+	1925	8	47.6	1997	375	14	.0	@	29.7	.0	2.5	.0
Jun	73.5	52.6	63.1	100+	1934	1	68.7	1988	29+	1949	8	56.8	1982	123	64	.0	.9	30.0	.0	@	.0
Jul	78.5	58.6	68.6	105	1936	13	72.7	1983	36	1912	18	63.1	1992	27	137	.0	1.3	31.0	.0	.0	.0
Aug	76.5	57.4	67.0	102	1955	21	72.5	1995	32	1934	30	62.9+	1977	59	119	.0	.8	31.0	.0	.0	.0
Sep	68.6	49.9	59.3	96+	1931	10	65.3	1998	26	1947	25	54.1	1974	197	23	.0	.1	29.9	.0	.4	.0
Oct	56.0	38.8	47.4	86	1963	6	52.3	1971	12	1925	30	42.6	1981	546	0	.0	.0	25.1	.0	4.9	.0
Nov	41.7	27.8	34.8	74	1999	10	42.4	1999	-6	1950	24	28.4	1976	907	0	.0	.0	6.6	3.7	19.0	@
Dec	29.5	16.0	22.8	60	2001	6	30.7	1998	-22	1933	27	11.7	1976	1310	0	.0	.0	.6	16.2	28.9	3.0
Ann	52.4	34.7	43.6	105	Jul 1936	13	72.7	Jul 1983	-29+	Jan 1982	17	4.9	Jan 1977	8145	357	.0	3.1	205.1	67.5	153.4	17.8

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1905-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: STURGEON BAY EXP FARM, WI

COOP ID: 478267

Climate Division: WI 6

NWS Call Sign:

Elevation: 656 Feet Lat: 44°52N

Lon: 87°20W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.79	1.61	1.32	1980	16	4.26	1999	.25	1981	11.1	5.2	.8	.1	.46	.63	.89	1.12	1.34	1.58	1.84	2.16	2.57	3.21	3.82
Feb	1.11	1.05	1.57	1937	21	2.97	1985	.23	1982	8.3	4.3	.3	.0	.31	.42	.58	.71	.85	.99	1.15	1.34	1.58	1.96	2.31
Mar	2.12	2.13	2.17	1906	2	5.75	1979	.27	1978	9.5	5.2	1.5	.3	.43	.63	.94	1.22	1.51	1.82	2.16	2.58	3.13	4.01	4.85
Apr	2.67	2.62	1.97	1909	29	4.85	1993	.39	1997	10.3	6.8	1.6	.4	.82	1.07	1.45	1.78	2.09	2.42	2.78	3.20	3.74	4.59	5.38
May	2.92	2.93	3.85	1973	28	8.93	1973	.15	1988	10.4	6.4	1.9	.6	.66	.93	1.36	1.74	2.13	2.54	3.00	3.54	4.27	5.41	6.49
Jun	3.49	2.73	3.07	1913	19	8.26	1990	.61	1988	10.5	6.7	2.3	.9	.74	1.06	1.57	2.04	2.51	3.00	3.57	4.24	5.13	6.56	7.91
Jul	3.41	3.03	3.96	1993	6	7.49	1982	.74	1973	11.2	6.8	2.1	.8	1.11	1.43	1.91	2.31	2.71	3.11	3.55	4.07	4.74	5.78	6.74
Aug	3.61	3.16	4.57	1910	25	8.68	1985	.81	1989	11.0	7.1	2.5	.7	1.34	1.68	2.17	2.57	2.95	3.35	3.77	4.27	4.90	5.87	6.76
Sep	3.43	2.97	3.71	1979	1	7.66	1972	.68	1976	10.9	6.9	2.1	.8	1.10	1.42	1.91	2.32	2.71	3.12	3.57	4.10	4.78	5.84	6.82
Oct	2.69	2.69	2.61	1984	19	6.10	1995	.38	1975	10.2	6.1	1.7	.4	.75	1.01	1.39	1.73	2.06	2.41	2.79	3.24	3.83	4.75	5.60
Nov	2.53	2.39	1.98	1934	22	6.06	1985	.22	1976	10.4	6.2	1.3	.4	.60	.84	1.21	1.54	1.87	2.21	2.60	3.06	3.67	4.62	5.52
Dec	1.76	1.76	3.60	1959	28	3.83	1971	.20	1994	10.2	5.3	.8	.1	.42	.58	.84	1.07	1.30	1.54	1.81	2.13	2.55	3.22	3.85
Ann	31.53	31.02	4.57	Aug 1910	25	8.93	May 1973	.15	May 1988	124.0	73.0	18.9	5.5	23.76	25.29	27.24	28.71	30.01	31.26	32.54	33.94	35.64	38.09	40.19

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1905-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: STURGEON BAY EXP FARM, WI

COOP ID: 478267

Climate Division: WI 6

NWS Call Sign:

Elevation: 656 Feet

Lat: 44° 52N

Lon: 87° 20W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	15.2	11.0	11	9	12.0	1996	27	40.5	1982	42	1982	29	30	1982	7.9	5.7	1.9	.7	.1	25.9	21.8	17.7	10.2
Feb	8.3	7.8	13	9	7.0	1994	24	23.5	1985	49	1979	16	43	1979	5.5	3.7	.8	.2	.0	24.8	18.5	16.0	9.0
Mar	7.9	7.5	5	3	9.0	1985	4	20.5	1989	32	1979	1	20	1972	3.8	3.0	1.1	.3	.0	16.9	11.5	7.9	4.6
Apr	2.2	1.3	#	#	6.0	1973	10	8.5	1973	11	1977	5	3	1996	1.2	.8	.3	.1	.0	3.2	.7	.2	.0
May	.1	.0	#	0	1.5	1990	10	1.5	1990	1	1990	10	#+	1996	.1	.1	.0	.0	.0	@	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	#	0	1.0	1981	25	1.0+	1993	1	1993	31	#+	1993	.1	.1	.0	.0	.0	@	.0	.0	.0
Nov	3.3	2.3	#	#	4.0	1995	27	14.5	1995	6	1995	30	1+	2000	2.4	1.5	.3	.0	.0	4.0	1.4	.3	.0
Dec	10.7	10.3	4	3	13.0	1985	1	29.0	1985	29	1985	31	23	1985	6.4	4.2	1.3	.5	.1	16.7	11.0	7.7	3.8
Ann	47.8	40.2	N/A	N/A	13.0	Dec 1985	1	40.5	Jan 1982	49	Feb 1979	16	43	Feb 1979	27.4	19.1	5.7	1.8	.2	91.5	64.9	49.8	27.6

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: STURGEON BAY EXP FARM, WI

COOP ID: 478267

Climate Division: WI 6

NWS Call Sign:

Elevation: 656 Feet

Lat: 44°52N

Lon: 87°20W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/10	6/04	5/31	5/27	5/23	5/20	5/16	5/12	5/06
32	5/24	5/20	5/16	5/14	5/11	5/08	5/05	5/02	4/27
28	5/08	5/03	4/30	4/27	4/25	4/22	4/19	4/16	4/12
24	4/22	4/18	4/15	4/13	4/10	4/08	4/06	4/03	3/30
20	4/12	4/08	4/05	4/02	3/31	3/28	3/26	3/23	3/18
16	4/09	4/05	4/02	3/30	3/28	3/25	3/22	3/19	3/15
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/15	9/19	9/22	9/25	9/27	9/29	10/02	10/05	10/09
32	9/22	9/28	10/02	10/06	10/09	10/13	10/17	10/21	10/27
28	10/03	10/10	10/15	10/19	10/23	10/26	10/30	11/04	11/11
24	10/22	10/27	10/31	11/03	11/06	11/09	11/12	11/16	11/21
20	11/01	11/07	11/11	11/15	11/18	11/21	11/25	11/29	12/04
16	11/11	11/17	11/21	11/24	11/27	11/30	12/03	12/07	12/13
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	144	138	133	129	126	122	119	114	108
32	169	163	158	154	151	147	143	139	132
28	207	198	191	185	180	175	169	162	153
24	227	221	216	212	209	205	201	197	190
20	254	246	241	236	231	227	222	217	209
16	265	258	253	248	244	240	235	230	222

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: STURGEON BAY EXP FARM, WI

COOP ID: 478267

Climate Division: WI 6 NWS Call Sign: Elevation: 656 Feet Lat: 44°52N Lon: 87°20W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1519	1276	1097	709	375	123	27	59	197	546	907	1310	8145
60	1364	1136	942	559	248	54	5	16	96	395	757	1155	6727
57	1271	1052	849	471	184	28	0	6	55	309	667	1062	5954
55	1209	996	787	413	147	17	0	2	35	256	607	1000	5469
50	1054	856	633	278	74	4	0	0	8	144	459	845	4355
32	520	384	181	16	0	0	0	0	0	2	76	353	1532

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	24	32	106	297	662	931	1133	1084	817	479	158	66	5789
55	0	0	0	4	96	258	420	373	162	20	0	0	1333
57	0	0	0	2	71	209	358	314	122	11	0	0	1087
60	0	0	0	1	42	145	269	231	73	4	0	0	765
65	0	0	0	0	14	64	137	119	23	0	0	0	357
70	0	0	0	0	4	19	51	45	4	0	0	0	123

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	21	136	446	713	902	862	601	278	53	2	0	0	21	157	603	1316	2218	3080	3681	3959	4012	4014
45	0	0	7	61	297	563	747	707	451	156	18	0	0	0	7	68	365	928	1675	2382	2833	2989	3007	3007
50	0	0	0	26	174	413	592	552	309	74	5	0	0	0	0	26	200	613	1205	1757	2066	2140	2145	2145
55	0	0	0	5	86	271	437	397	183	24	0	0	0	0	0	5	91	362	799	1196	1379	1403	1403	1403
60	0	0	0	0	37	151	285	249	92	4	0	0	0	0	0	0	37	188	473	722	814	818	818	818
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	10	77	252	434	588	557	346	134	15	0	0	0	10	87	339	773	1361	1918	2264	2398	2413	2413

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: SUPERIOR, WI

COOP ID: 478349

Climate Division: WI 1

NWS Call Sign:

Elevation: 630 Feet Lat: 46°42N

Lon: 92°01W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	20.8	3.4	12.1	53	1981	24	22.7	1990	-37+	1972	15	1.0	1994	1641	0	.0	.0	.1	26.6	30.9	15.7
Feb	26.5	9.7	18.1	60	1961	22	30.8	1998	-38	1967	12	5.8	1979	1314	0	.0	.0	.5	19.3	27.6	9.9
Mar	35.1	20.8	28.0	72	1987	7	35.1	2000	-38	1962	1	20.8	1972	1149	0	.0	.0	2.6	12.1	28.7	2.5
Apr	47.0	31.8	39.4	92	1952	28	46.6	1987	-2	1954	3	34.5	1995	768	0	.0	.0	10.1	1.3	17.9	@
May	58.9	41.0	50.0	94+	1986	30	54.6	1998	11	1967	3	45.6	1997	468	1	.0	.2	22.9	.0	3.2	.0
Jun	68.5	49.2	58.9	98	1995	18	64.8	1988	21	1983	6	55.6	1983	202	17	.0	.7	29.2	.0	@	.0
Jul	76.2	57.0	66.6	100+	1988	28	72.6	1975	34	1961	8	61.5	1992	65	116	.1	1.9	31.0	.0	.0	.0
Aug	73.9	57.3	65.6	99+	1983	7	72.2	1983	31	1950	20	60.7	1977	74	93	.0	1.2	31.0	.0	.0	.0
Sep	65.9	48.7	57.3	97	1976	8	62.8	1998	19	1963	13	51.4	1993	245	14	.0	.2	29.4	.0	1.2	.0
Oct	53.8	37.6	45.7	89+	1992	2	50.4	1971	10	1962	26	40.6	1976	598	0	.0	.0	20.2	@	9.4	.0
Nov	38.0	24.8	31.4	74+	1975	6	39.2	1981	-19	1976	28	23.2	1995	1009	0	.0	.0	3.9	8.7	24.4	1.1
Dec	25.1	9.9	17.5	60	1962	1	27.6	1997	-32	1983	19	3.9	1983	1473	0	.0	.0	.2	22.0	30.4	9.7
Ann	49.1	32.6	40.9	100+	Jul 1988	28	72.6	Jul 1975	-38+	Feb 1967	12	1.0	Jan 1994	9006	241	.1	4.2	181.1	90.0	173.7	38.9

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

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Climatology of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: SUPERIOR, WI

COOP ID: 478349

Climate Division: WI 1

NWS Call Sign:

Elevation: 630 Feet Lat: 46°42N

Lon: 92°01W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.01	.87	1.00	1960	2	3.03	1975	.11	1981	8.1	3.2	.4	.0	.19	.28	.43	.57	.71	.85	1.03	1.23	1.50	1.94	2.36
Feb	.78	.54	1.34	1977	24	2.20	1981	.09	1988	5.2	2.1	.3	@	.09	.15	.26	.37	.49	.62	.77	.95	1.21	1.62	2.03
Mar	1.88	1.69	2.85	1977	12	8.38	1977	.37	1984	7.5	4.4	1.2	.2	.30	.46	.73	.99	1.25	1.55	1.88	2.29	2.84	3.73	4.58
Apr	2.14	2.12	3.60	1961	15	5.03	1981	.25	1987	7.8	4.8	1.6	.3	.36	.55	.86	1.16	1.46	1.78	2.16	2.61	3.21	4.19	5.12
May	3.09	2.92	2.80	1950	5	6.74	1991	.29	1976	10.1	6.4	2.1	.6	.84	1.13	1.58	1.97	2.35	2.75	3.19	3.72	4.40	5.48	6.48
Jun	3.98	3.56	2.83	1986	10	7.92	1986	.98	1987	11.7	8.3	2.6	.9	1.63	2.00	2.51	2.93	3.33	3.74	4.17	4.67	5.31	6.28	7.16
Jul	4.24	4.18	5.75	1958	1	8.98	1991	.72	1988	10.9	7.4	2.8	1.1	1.14	1.54	2.15	2.69	3.21	3.77	4.38	5.11	6.06	7.54	8.94
Aug	4.11	4.07	3.68	1990	25	8.63	1972	1.07	1982	10.9	6.7	2.6	1.4	1.38	1.77	2.34	2.82	3.29	3.77	4.29	4.90	5.69	6.90	8.02
Sep	4.21	3.99	4.00	1985	2	8.46	1991	.85	1974	11.5	6.8	2.5	1.2	1.35	1.75	2.34	2.84	3.33	3.83	4.39	5.03	5.86	7.16	8.35
Oct	2.38	1.89	2.83	1982	6	6.38	1982	.32	1993	8.9	5.4	1.5	.4	.34	.54	.88	1.21	1.56	1.93	2.37	2.90	3.62	4.80	5.93
Nov	2.04	1.87	2.00	1960	28	5.67	1991	.16	1976	8.0	4.5	1.2	.5	.27	.43	.72	1.01	1.30	1.63	2.02	2.49	3.13	4.17	5.18
Dec	.92	.88	1.41	1982	28	2.82	1982	.03	1999	7.6	3.0	.2	.1	.13	.21	.34	.47	.60	.75	.92	1.13	1.41	1.87	2.31
Ann	30.78	31.36	5.75	Jul 1958	1	8.98	Jul 1991	.03	Dec 1999	108.2	63.0	19.0	6.7	20.00	22.01	24.63	26.64	28.45	30.21	32.04	34.08	36.58	40.23	43.42

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

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Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: SUPERIOR, WI

COOP ID: 478349

Climate Division: WI 1

NWS Call Sign:

Elevation: 630 Feet

Lat: 46°42N

Lon: 92°01W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	12.9	10.9	12	11	14.0	1982	22	28.7	1975	50+	1997	31	45	1997	7.2	4.6	1.4	.5	.1	28.5	25.0	20.6	13.9
Feb	8.1	7.8	12	10	8.0	2000	15	16.7	1972	50	1996	5	44	1997	4.2	2.9	.7	.1	.0	25.0	22.6	18.8	12.0
Mar	8.2	8.1	7	4	9.3	1985	4	15.6	1985	41	1997	16	31	1997	4.0	2.8	.9	.4	.0	18.7	13.0	10.4	6.4
Apr	2.5	1.0	1	#	7.0	1972	10	12.0	1972	23	1996	3	7	1996	1.3	.8	.3	.1	.0	2.5	1.1	.5	.0
May	.1	.0	#	0	.9	1991	5	.9	1991	1+	1991	5	#+	1991	.1	.0	.0	.0	.0	.1	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.2	.0	#	0	3.3	1984	30	4.0	1992	3	1984	30	#+	1997	.1	.1	@	.0	.0	.1	@	.0	.0
Nov	7.4	3.4	2	1	18.0	1983	23	51.1	1991	40	1991	9	24	1991	3.0	1.9	.7	.3	.1	6.1	2.5	1.2	.7
Dec	10.4	9.6	6	3	13.5	1982	28	25.5	1982	36	1983	17	31	1983	6.0	4.3	1.0	.2	.1	20.7	13.9	9.3	4.6
Ann	49.8	40.8	N/A	N/A	18.0	Nov 1983	23	51.1	Nov 1991	50+	Jan 1997	31	45	Jan 1997	25.9	17.4	5.0	1.6	.3	101.7	78.1	60.8	37.6

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: SUPERIOR, WI

COOP ID: 478349

Climate Division: WI 1

NWS Call Sign:

Elevation: 630 Feet

Lat: 46° 42N

Lon: 92° 01W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/16	6/10	6/06	6/03	5/31	5/28	5/24	5/20	5/15
32	5/27	5/21	5/18	5/14	5/11	5/08	5/05	5/01	4/26
28	5/14	5/09	5/06	5/03	4/30	4/28	4/25	4/21	4/17
24	5/07	5/01	4/27	4/24	4/20	4/17	4/13	4/09	4/03
20	4/18	4/14	4/11	4/08	4/05	4/03	3/31	3/28	3/23
16	4/18	4/12	4/08	4/04	4/01	3/29	3/25	3/21	3/15
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/31	9/06	9/10	9/14	9/17	9/20	9/24	9/28	10/04
32	9/17	9/22	9/25	9/28	9/30	10/03	10/06	10/09	10/13
28	9/24	9/29	10/04	10/07	10/10	10/14	10/17	10/21	10/27
24	10/06	10/12	10/16	10/20	10/23	10/27	10/30	11/04	11/10
20	10/17	10/23	10/26	10/29	11/01	11/04	11/08	11/11	11/16
16	10/25	10/31	11/04	11/08	11/11	11/14	11/18	11/22	11/28
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	130	123	117	113	109	104	100	94	87
32	161	154	149	145	141	137	133	128	121
28	185	177	172	167	162	158	153	148	140
24	210	202	196	190	186	181	175	169	161
20	231	224	218	214	209	205	201	195	188
16	249	240	234	228	223	218	213	206	197

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: SUPERIOR, WI

COOP ID: 478349

Climate Division: WI 1 NWS Call Sign: Elevation: 630 Feet Lat: 46°42N Lon: 92°01W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1641	1314	1149	768	468	202	65	74	245	598	1009	1473	9006
60	1486	1174	994	618	322	97	18	21	132	444	859	1318	7483
57	1393	1090	901	529	242	53	8	8	81	355	769	1225	6654
55	1331	1034	839	470	195	33	3	3	55	298	709	1163	6133
50	1176	894	684	328	100	7	0	0	15	174	561	1008	4947
32	635	429	205	24	0	0	0	0	0	4	148	496	1941

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	17	39	80	246	556	805	1073	1042	759	428	129	46	5220
55	0	0	0	1	37	148	363	332	124	9	0	0	1014
57	0	0	0	0	23	108	306	275	90	5	0	0	807
60	0	0	0	0	10	61	223	195	51	1	0	0	541
65	0	0	0	0	1	17	116	93	14	0	0	0	241
70	0	0	0	0	0	2	44	30	2	0	0	0	78

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	1	6	75	302	554	821	787	504	198	21	0	0	1	7	82	384	938	1759	2546	3050	3248	3269	3269
45	0	0	0	29	177	404	666	632	361	99	7	0	0	0	0	29	206	610	1276	1908	2269	2368	2375	2375
50	0	0	0	11	92	266	511	477	226	38	0	0	0	0	0	11	103	369	880	1357	1583	1621	1621	1621
55	0	0	0	0	42	151	357	326	118	7	0	0	0	0	0	0	42	193	550	876	994	1001	1001	1001
60	0	0	0	0	13	71	219	189	53	0	0	0	0	0	0	0	13	84	303	492	545	545	545	545
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	5	55	161	306	511	484	280	98	10	0	0	1	6	61	222	528	1039	1523	1803	1901	1911	1911

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: TREMPEALEAU DAM 6, WI

COOP ID: 478589

Climate Division: WI 4

NWS Call Sign:

Elevation: 660 Feet

Lat: 44°00N

Lon: 91°26W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	24.1	6.0	15.1	56	1981	25	26.7	1990	-44	1951	30	3.0	1979	1549	0	.0	.0	.2	22.0	30.8	11.8
Feb	30.9	12.2	21.6	62+	1981	18	33.0	1998	-41	1996	3	9.7	1978	1216	0	.0	.0	1.1	14.3	27.1	6.7
Mar	42.4	24.4	33.4	83	1986	29	41.6	1973	-32	1962	1	25.5	1975	978	0	.0	.0	8.0	5.5	24.2	1.7
Apr	58.0	37.4	47.7	93	1980	21	55.6	1977	8+	1995	4	41.4	1975	523	4	.0	@	22.7	.3	9.7	.0
May	70.5	49.0	59.8	92	1967	26	67.9	1977	24+	1966	10	53.4	1997	216	52	.0	.1	30.8	.0	.7	.0
Jun	79.1	58.1	68.6	99	1949	30	72.9	1971	38	1972	10	63.6	1982	34	143	.0	2.0	30.0	.0	.0	.0
Jul	83.0	62.5	72.8	103	1995	13	77.7	1999	43	1984	7	67.0	1992	11	251	.1	4.6	31.0	.0	.0	.0
Aug	80.5	60.0	70.3	101+	2001	7	76.2	1995	40+	1976	29	65.8	1992	20	183	.1	2.7	31.0	.0	.0	.0
Sep	71.9	51.5	61.7	98	1978	7	67.4	1978	23+	1984	30	56.1	1993	141	43	.0	.5	29.8	.0	.6	.0
Oct	59.9	39.9	49.9	90	1963	6	56.8	1971	13	1988	30	44.5	1990	472	3	.0	.0	26.2	@	7.3	.0
Nov	42.0	26.8	34.4	75+	1999	8	43.3	1999	-9	1977	26	27.0	1991	919	0	.0	.0	7.9	5.8	21.7	.3
Dec	28.6	13.4	21.0	63+	2001	4	29.1	1998	-33	1950	27	7.7	1983	1364	0	.0	.0	.6	17.9	30.0	5.9
Ann	55.9	36.8	46.4	103	Jul 1995	13	77.7	Jul 1999	-44	Jan 1951	30	3.0	Jan 1979	7443	679	.2	9.9	219.3	65.8	152.1	26.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: TREMPEALEAU DAM 6, WI

COOP ID: 478589

Climate Division: WI 4

NWS Call Sign:

Elevation: 660 Feet Lat: 44°00N

Lon: 91°26W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.07	.96	4.10	1952	20	3.74	1996	.10	1981	6.4	3.4	.5	@	.23	.33	.49	.63	.77	.92	1.10	1.30	1.57	2.01	2.42
Feb	.89	.62	1.52	1998	27	3.15	1981	.00	1987	5.2	2.5	.5	.1	.03	.10	.23	.36	.50	.66	.85	1.09	1.41	1.96	2.50
Mar	1.95	2.07	2.10	1966	23	4.00	1976	.26	1994	6.9	4.5	1.4	.3	.52	.71	.99	1.24	1.48	1.74	2.02	2.36	2.80	3.48	4.12
Apr	3.20	2.81	2.60	1990	24	7.13	1993	.70	1997	9.0	6.6	2.2	.5	.86	1.16	1.62	2.03	2.42	2.84	3.31	3.86	4.58	5.70	6.75
May	3.72	3.80	3.75	2000	18	6.17	1983	1.09	1985	9.9	6.7	2.7	.9	1.33	1.68	2.18	2.61	3.02	3.43	3.89	4.41	5.09	6.13	7.09
Jun	3.81	3.33	4.26	1968	21	7.77	1998	1.00	1989	9.7	7.5	2.6	.9	1.17	1.53	2.07	2.54	2.98	3.45	3.96	4.56	5.34	6.55	7.67
Jul	4.30	3.58	3.85	1978	1	12.64	1978	1.19	1974	9.6	7.0	3.1	1.4	1.28	1.69	2.30	2.83	3.35	3.88	4.47	5.16	6.06	7.46	8.75
Aug	4.54	4.12	3.79	1960	29	9.31	1980	.77	1976	9.9	7.8	3.6	1.2	1.39	1.82	2.46	3.02	3.55	4.11	4.72	5.44	6.36	7.81	9.15
Sep	3.84	3.18	6.01	1980	21	13.13	1980	.18	1998	8.7	6.5	2.4	1.0	.53	.84	1.39	1.92	2.48	3.10	3.82	4.70	5.88	7.82	9.69
Oct	2.36	1.99	2.89	1982	20	5.62	1982	.34	1975	7.7	5.1	1.4	.6	.38	.58	.92	1.25	1.58	1.95	2.37	2.88	3.56	4.68	5.74
Nov	2.16	1.62	2.31	1975	9	6.73	1991	.00	1976	7.1	4.6	1.5	.4	.17	.40	.75	1.06	1.39	1.75	2.16	2.67	3.34	4.45	5.51
Dec	1.08	1.06	1.31	1982	28	3.17	1982	.13	1998	6.2	3.4	.5	.1	.24	.34	.50	.64	.78	.94	1.11	1.31	1.59	2.02	2.43
Ann	32.92	32.10	6.01	Sep 1980	21	13.13	Sep 1980	.00+	Feb 1987	96.3	65.6	22.4	7.4	23.94	25.69	27.93	29.62	31.12	32.57	34.06	35.71	37.70	40.58	43.07

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: TREMPEALEAU DAM 6, WI

COOP ID: 478589

Climate Division: WI 4

NWS Call Sign:

Elevation: 660 Feet

Lat: 44°00N

Lon: 91°26W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	10.4	9.3	8	7	16.0	1971	4	25.0	1971	25+	1996	29	19	1971	4.2	3.4	1.3	.5	.1	-9.9	-9.9	-9.9	-9.9
Feb	7.0	5.1	9	5	10.5	1983	3	20.8	1975	31	1979	21	26	1979	2.8	2.2	.7	.2	@	-9.9	-9.9	-9.9	-9.9
Mar	5.6	5.0	3	1	15.0	1997	14	18.0	1997	21	1975	14	14	1975	1.5	1.5	.9	.3	.1	-9.9	-9.9	-9.9	-9.9
Apr	.9	.0	#	0	8.0	1973	9	12.0	1973	12	1973	11	2	1973	.3	.2	.1	@	.0	.5	.3	.2	.1
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	2.0	.0	1	#	6.0	1988	30	13.0	1977	14	1991	26	6	1985	1.1	1.0	.4	.2	.0	1.5	1.1	.5	.0
Dec	8.3	7.8	3	2	7.0	2000	29	16.0	1972	20	2000	31	14	1985	3.8	3.0	1.2	.4	.0	-9.9	-9.9	-9.9	-9.9
Ann	34.2	27.2	N/A	N/A	16.0	Jan 1971	4	25.0	Jan 1971	31	Feb 1979	21	26	Feb 1979	13.7	11.3	4.6	1.6	.2	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: TREMPEALEAU DAM 6, WI

COOP ID: 478589

Climate Division: WI 4

NWS Call Sign:

Elevation: 660 Feet

Lat: 44°00N

Lon: 91°26W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/25	5/19	5/15	5/11	5/08	5/05	5/01	4/27	4/21
32	5/13	5/08	5/04	5/01	4/27	4/24	4/21	4/17	4/12
28	4/30	4/25	4/21	4/18	4/15	4/12	4/09	4/06	3/31
24	4/17	4/13	4/10	4/07	4/05	4/02	3/31	3/28	3/24
20	4/12	4/08	4/05	4/02	3/31	3/28	3/25	3/22	3/18
16	4/05	3/31	3/28	3/25	3/22	3/19	3/16	3/13	3/08
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/17	9/21	9/23	9/26	9/28	9/30	10/02	10/05	10/09
32	9/20	9/25	9/28	10/01	10/04	10/06	10/09	10/13	10/17
28	10/01	10/06	10/10	10/13	10/15	10/18	10/21	10/25	10/30
24	10/10	10/16	10/20	10/24	10/27	10/30	11/03	11/07	11/13
20	10/20	10/26	10/30	11/02	11/06	11/09	11/12	11/16	11/22
16	10/29	11/04	11/08	11/12	11/15	11/19	11/22	11/27	12/03
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	162	155	150	146	142	138	134	129	123
32	180	173	168	163	159	154	150	144	137
28	203	196	191	187	182	178	174	169	162
24	225	218	213	209	205	201	196	191	184
20	242	234	229	224	219	215	210	204	196
16	260	253	247	242	238	233	228	223	215

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: TREMPEALEAU DAM 6, WI

COOP ID: 478589

Climate Division: WI 4 NWS Call Sign: Elevation: 660 Feet Lat: 44°00N Lon: 91°26W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1549	1216	978	523	216	34	11	20	141	472	919	1364	7443
60	1394	1076	823	384	124	7	0	2	61	329	769	1209	6178
57	1301	992	731	307	83	2	0	0	32	253	679	1116	5496
55	1239	936	670	260	61	1	0	0	19	207	620	1054	5067
50	1084	797	525	160	24	0	0	0	4	114	478	899	4085
32	560	354	133	7	0	0	0	0	0	2	106	408	1570

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	34	62	177	477	859	1099	1264	1186	892	556	177	67	6850
55	0	0	2	41	207	410	551	473	221	48	1	0	1954
57	0	0	0	28	167	351	489	411	174	32	0	0	1652
60	0	0	0	14	115	266	396	320	113	15	0	0	1239
65	0	0	0	4	52	143	251	183	43	3	0	0	679
70	0	0	0	0	18	57	131	82	10	0	0	0	298

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	4	54	266	609	861	1024	946	657	321	54	3	0	4	58	324	933	1794	2818	3764	4421	4742	4796	4799
45	0	1	22	158	455	711	869	791	508	201	23	1	0	1	23	181	636	1347	2216	3007	3515	3716	3739	3740
50	0	1	7	89	310	561	714	636	366	108	4	0	0	1	8	97	407	968	1682	2318	2684	2792	2796	2796
55	0	0	2	38	187	411	559	481	235	50	1	0	0	0	2	40	227	638	1197	1678	1913	1963	1964	1964
60	0	0	0	17	96	269	404	328	132	17	0	0	0	0	0	17	113	382	786	1114	1246	1263	1263	1263
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	32	161	369	562	695	628	401	185	27	0	0	1	33	194	563	1125	1820	2448	2849	3034	3061	3061

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: TWO RIVERS, WI

COOP ID: 478672

Climate Division: WI 6

NWS Call Sign:

Elevation: 599 Feet Lat: 44°08N Lon: 87°34W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	25.1	10.1	17.6	52	1973	25	27.9	1990	-28	1951	30	5.8	1977	1469	0	.0	.0	.1	20.3	29.9	7.1
Feb	28.3	14.0	21.2	57	1984	23	32.3	1998	-26	1996	3	11.5	1979	1229	0	.0	.0	.2	15.5	26.6	3.7
Mar	37.3	24.0	30.7	71+	2000	9	38.7	2000	-17	1962	1	24.7	1996	1066	0	.0	.0	3.3	6.2	24.1	.5
Apr	47.5	34.9	41.2	84	1962	26	44.2	1986	9	1954	3	37.4	1975	715	0	.0	.0	13.3	.4	10.2	.0
May	58.7	44.8	51.8	91	1952	4	56.1	1977	24	1990	2	47.5	1997	413	1	.0	.0	28.4	.0	.9	.0
Jun	68.4	53.5	61.0	97	1964	26	66.2	1987	35	1956	2	57.9	1982	151	29	.0	.4	30.0	.0	.0	.0
Jul	74.4	60.0	67.2	97	1970	1	70.9	1983	40	1965	6	63.0	1978	36	103	.0	.9	31.0	.0	.0	.0
Aug	73.6	60.2	66.9	97	2001	9	72.7	1995	42+	1986	28	62.6	1992	53	112	.0	.4	31.0	.0	.0	.0
Sep	66.4	52.7	59.6	96	1953	1	63.4	1978	29+	1984	29	54.6	1993	184	21	.0	@	29.9	.0	.3	.0
Oct	54.5	41.1	47.8	86+	1971	1	54.1	1971	19	1972	19	44.2	1988	532	0	.0	.0	24.9	.0	4.1	.0
Nov	41.4	29.0	35.2	76	1950	1	41.7	1999	-8	1950	24	28.1	1995	895	0	.0	.0	5.6	3.2	18.6	.1
Dec	30.0	16.9	23.5	62	1998	3	30.4	1994	-21	1983	24	12.5	1983	1288	0	.0	.0	.6	14.4	27.8	3.5
Ann	50.5	36.8	43.6	97+	Aug 2001	9	72.7	Aug 1995	-28	Jan 1951	30	5.8	Jan 1977	8031	266	.0	1.7	198.3	60.0	142.5	14.9

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1950-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: TWO RIVERS, WI

COOP ID: 478672

Climate Division: WI 6

NWS Call Sign:

Elevation: 599 Feet Lat: 44°08N

Lon: 87°34W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.67	1.68	1.37	1982	4	3.21	1979	.10	1981	10.7	4.3	.8	.1	.34	.49	.73	.95	1.18	1.42	1.70	2.03	2.46	3.16	3.82
Feb	1.33	1.27	2.02	1966	8	2.95	1971	.14	1982	8.6	3.8	.6	@	.26	.38	.57	.75	.93	1.13	1.35	1.62	1.97	2.54	3.08
Mar	2.34	2.01	3.16	1998	30	5.97	1976	.36	1978	9.8	5.4	1.4	.4	.45	.66	1.00	1.32	1.64	1.98	2.38	2.85	3.48	4.49	5.45
Apr	2.84	2.83	1.85	1993	15	5.12	1994	.83	1989	11.4	6.6	1.8	.5	1.41	1.65	1.98	2.24	2.48	2.72	2.98	3.27	3.63	4.18	4.67
May	2.84	2.55	2.12	1973	28	6.68	1973	.35	1988	10.4	6.1	1.7	.5	.67	.94	1.35	1.72	2.09	2.48	2.91	3.43	4.12	5.20	6.21
Jun	3.12	2.37	3.90	1996	17	8.61	1996	.38	1995	10.9	6.5	2.0	.6	.70	.98	1.44	1.85	2.27	2.70	3.20	3.78	4.56	5.79	6.95
Jul	2.88	2.53	4.65	1952	18	6.02	1991	1.11	1973	10.3	5.6	2.0	.7	1.05	1.32	1.71	2.03	2.34	2.66	3.01	3.41	3.92	4.71	5.43
Aug	3.62	3.39	4.37	1980	20	10.74	1975	.93	1976	11.1	6.4	2.5	.9	1.18	1.52	2.03	2.46	2.87	3.30	3.77	4.32	5.02	6.12	7.13
Sep	3.29	3.12	4.72	1986	10	11.29	1986	.15	1979	11.0	6.3	2.2	.8	.56	.84	1.32	1.78	2.24	2.74	3.32	4.02	4.95	6.46	7.91
Oct	2.33	2.05	3.20	1954	3	5.60	1991	.24	1975	10.1	5.5	1.6	.4	.72	.94	1.27	1.55	1.83	2.11	2.43	2.80	3.27	4.02	4.70
Nov	2.28	2.28	1.60	1961	16	7.01	1985	.33	1976	10.5	6.0	1.4	.3	.48	.69	1.03	1.33	1.63	1.96	2.33	2.77	3.35	4.27	5.15
Dec	1.78	1.48	1.87	1959	28	4.52	1971	.38	1998	9.8	4.8	.9	.2	.43	.59	.85	1.08	1.31	1.56	1.83	2.15	2.58	3.25	3.88
Ann	30.32	31.24	4.72	Sep 1986	10	11.29	Sep 1986	.10	Jan 1981	124.6	67.3	18.9	5.4	23.32	24.71	26.47	27.79	28.96	30.07	31.22	32.48	33.99	36.17	38.03

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1950-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: TWO RIVERS, WI

COOP ID: 478672

Climate Division: WI 6

NWS Call Sign:

Elevation: 599 Feet

Lat: 44°08N

Lon: 87°34W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	10.9	7.4	8	6	14.0	1982	4	37.2	1982	46	1979	29	29	1982	5.8	3.6	1.3	.6	.1	17.9	13.7	10.3	4.4
Feb	8.1	7.4	9	5	10.0	1993	21	16.1	1983	56	1979	21	49	1979	4.3	2.4	.8	.3	@	24.5	19.6	12.7	5.8
Mar	8.7	8.0	3	2	11.2	1985	4	24.8	1989	32	1979	2	12	1979	2.7	1.7	.6	.3	.1	10.5	7.5	4.8	2.4
Apr	1.2	.0	#	#	7.5	1973	9	12.5	1973	8	1973	10	1	1973	.4	.4	.1	.1	.0	.6	.2	.1	.0
May	#	.0	0	0	#	1976	7	#+	1976	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	#	0	2.0	2000	7	2.0	2000	2	2000	7	#	2000	@	@	.0	.0	.0	@	.0	.0	.0
Nov	2.3	1.0	#	#	9.8	1995	27	13.3	1995	9	1995	27	1	1997	1.2	.7	.1	@	.0	1.7	.6	.2	.0
Dec	8.8	9.3	3	2	14.0	1971	30	21.7	1978	39	2000	30	19	2000	4.1	2.5	.8	.4	.2	13.2	9.1	5.2	1.6
Ann	40.1	33.1	N/A	N/A	14.0+	Jan 1982	4	37.2	Jan 1982	56	Feb 1979	21	49	Feb 1979	18.5	11.3	3.7	1.7	.4	68.4	50.7	33.3	14.2

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: TWO RIVERS, WI

COOP ID: 478672

Climate Division: WI 6

NWS Call Sign:

Elevation: 599 Feet

Lat: 44°08N

Lon: 87°34W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/27	5/22	5/18	5/15	5/12	5/08	5/05	5/01	4/26
32	5/11	5/07	5/04	5/02	4/30	4/27	4/25	4/22	4/18
28	5/01	4/26	4/23	4/19	4/16	4/14	4/10	4/07	4/02
24	4/18	4/13	4/10	4/07	4/04	4/01	3/29	3/26	3/21
20	4/10	4/06	4/03	3/31	3/29	3/27	3/25	3/22	3/18
16	4/06	3/31	3/27	3/24	3/21	3/17	3/14	3/10	3/04
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/21	9/25	9/27	9/29	10/02	10/04	10/06	10/09	10/12
32	9/25	10/01	10/05	10/08	10/11	10/15	10/18	10/22	10/28
28	10/13	10/18	10/22	10/25	10/29	11/01	11/04	11/08	11/13
24	10/27	10/31	11/03	11/06	11/08	11/11	11/13	11/16	11/20
20	10/31	11/05	11/09	11/12	11/16	11/19	11/22	11/26	12/01
16	11/08	11/14	11/17	11/21	11/24	11/27	11/30	12/04	12/09
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	160	154	150	146	142	139	135	131	125
32	180	175	171	167	164	161	157	153	147
28	215	208	203	198	194	190	186	181	174
24	236	230	225	221	217	214	210	205	198
20	254	246	240	235	231	226	221	215	208
16	271	263	257	252	247	243	238	232	224

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: TWO RIVERS, WI

COOP ID: 478672

Climate Division: WI 6 NWS Call Sign: Elevation: 599 Feet Lat: 44°08N Lon: 87°34W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1469	1229	1066	715	413	151	36	53	184	532	895	1288	8031
60	1314	1089	911	565	267	64	6	13	83	379	745	1133	6569
57	1221	1005	818	475	190	32	1	4	43	290	655	1040	5774
55	1159	949	756	415	145	18	0	1	26	235	595	978	5277
50	1004	809	601	270	59	3	0	0	4	120	446	823	4139
32	477	340	141	6	0	0	0	0	0	0	71	337	1372

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	32	35	99	282	612	869	1090	1082	827	491	167	72	5658
55	0	0	0	0	43	196	377	370	162	13	0	0	1161
57	0	0	0	0	26	150	315	311	120	6	0	0	928
60	0	0	0	0	11	92	227	227	70	2	0	0	629
65	0	0	0	0	1	29	103	112	21	0	0	0	266
70	0	0	0	0	0	5	29	39	4	0	0	0	77

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	17	114	372	624	836	838	587	276	51	2	0	0	17	131	503	1127	1963	2801	3388	3664	3715	3717
45	0	0	7	40	226	474	681	683	441	150	13	0	0	0	7	47	273	747	1428	2111	2552	2702	2715	2715
50	0	0	0	13	109	324	526	528	295	63	2	0	0	0	0	13	122	446	972	1500	1795	1858	1860	1860
55	0	0	0	0	43	191	371	373	166	15	0	0	0	0	0	0	43	234	605	978	1144	1159	1159	1159
60	0	0	0	0	11	89	219	225	75	1	0	0	0	0	0	0	11	100	319	544	619	620	620	620
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	10	49	173	343	521	526	322	109	11	0	0	0	10	59	232	575	1096	1622	1944	2053	2064	2064

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: VIROQUA 2 S, WI

COOP ID: 478827

Climate Division: WI 7

NWS Call Sign:

Elevation: 1,160 Feet Lat: 43°32N

Lon: 90°52W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	21.8	4.0	12.9	55+	1981	24	25.5	1990	-42	1963	15	.0	1977	1616	0	.0	.0	.2	23.9	30.8	12.9
Feb	28.5	10.1	19.3	63	1921	16	32.2	1998	-37	1996	3	7.9	1978	1280	0	.0	.0	1.1	15.7	27.5	7.9
Mar	40.5	21.6	31.1	83	1986	29	39.5	1973	-35	1962	1	22.6	1975	1052	0	.0	.0	7.3	6.3	26.2	2.1
Apr	55.4	32.9	44.2	90	1952	30	52.1	1977	-8	1982	6	38.6	1982	625	1	.0	.0	21.4	.4	14.0	.1
May	67.3	44.1	55.7	106	1934	31	64.0	1977	23+	1989	6	49.2	1983	309	21	.0	.1	30.4	.0	2.9	.0
Jun	76.3	53.7	65.0	101+	1931	30	69.4	1971	31	1945	4	60.9	1982	71	71	.0	.9	30.0	.0	.1	.0
Jul	80.3	58.4	69.4	108+	1936	14	73.1	1999	36	1984	7	62.9	1992	26	160	@	3.2	31.0	.0	.0	.0
Aug	77.3	56.2	66.8	103	1937	17	73.4	1995	32	1986	28	61.4	1992	63	117	.1	1.3	31.0	.0	@	.0
Sep	68.7	47.2	58.0	99	1939	8	63.1	1998	20	1995	22	52.1	1993	224	13	.0	.4	29.6	.0	1.5	.0
Oct	57.6	35.9	46.8	90	1963	6	54.3	1971	1	1925	30	40.6	1988	566	0	.0	.0	25.4	@	11.4	.0
Nov	40.4	23.6	32.0	78	1950	1	39.3	1999	-17	1977	26	25.3	1976	989	0	.0	.0	8.1	6.3	23.9	.9
Dec	26.7	10.5	18.6	63+	2001	5	26.1	1982	-36	1983	19	6.0	1985	1438	0	.0	.0	.7	19.9	30.0	7.3
Ann	53.4	33.2	43.3	108+	Jul 1936	14	73.4	Aug 1995	-42	Jan 1963	15	.0	Jan 1977	8259	383	.1	5.9	216.2	72.5	168.3	31.2

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1901-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: VIROQUA 2 S, WI

COOP ID: 478827

Climate Division: WI 7

NWS Call Sign:

Elevation: 1,160 Feet Lat: 43°32N

Lon: 90°52W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.87	.72	1.60	1999	24	3.51	1999	.08	1981	7.0	2.9	.3	.1	.16	.24	.36	.48	.60	.73	.88	1.06	1.30	1.68	2.04
Feb	.74	.61	3.00	1922	24	2.94	1971	.00	1995	5.3	2.3	.3	@	.03	.09	.20	.31	.42	.56	.71	.91	1.18	1.63	2.08
Mar	1.52	1.44	2.37	1913	14	3.89	1976	.08	1999	7.1	3.9	.9	.2	.13	.24	.44	.65	.88	1.15	1.46	1.85	2.39	3.29	4.17
Apr	3.59	3.07	3.88	1975	28	7.74	1999	1.19	1988	10.0	6.6	2.5	.8	1.22	1.56	2.05	2.48	2.88	3.29	3.75	4.28	4.96	6.01	6.98
May	3.61	3.05	4.00	2000	31	10.41	2000	1.38	1985	10.2	7.4	2.3	.9	1.14	1.49	1.99	2.43	2.84	3.28	3.75	4.31	5.03	6.15	7.18
Jun	4.06	3.52	4.01	1942	29	9.88	1998	.93	1988	9.3	6.8	2.6	1.1	1.06	1.44	2.03	2.55	3.06	3.59	4.19	4.90	5.82	7.28	8.64
Jul	4.92	4.47	8.57	1917	22	11.64	1978	1.57	1975	9.5	6.8	3.3	1.5	1.58	2.05	2.74	3.32	3.89	4.48	5.12	5.87	6.84	8.35	9.75
Aug	4.61	3.78	4.87	1972	26	13.69	1980	1.05	1976	9.9	7.1	3.4	1.2	1.29	1.72	2.39	2.96	3.53	4.12	4.77	5.54	6.55	8.12	9.59
Sep	3.53	2.80	4.00	1946	6	9.69	1992	.22	1979	9.2	6.1	2.2	1.2	.59	.90	1.42	1.90	2.40	2.94	3.56	4.31	5.31	6.93	8.49
Oct	2.25	2.40	2.85	1904	9	5.17	1984	.56	2000	7.7	5.3	1.5	.3	.65	.86	1.18	1.46	1.74	2.02	2.33	2.70	3.18	3.93	4.63
Nov	2.02	1.88	2.00	1982	12	6.07	1991	.04	1976	7.9	4.6	1.1	.5	.28	.45	.74	1.02	1.31	1.64	2.01	2.47	3.09	4.10	5.08
Dec	1.30	1.02	2.20	1985	2	4.82	1998	.08	1979	7.2	3.3	.6	.1	.12	.21	.39	.57	.77	.99	1.26	1.59	2.04	2.80	3.55
Ann	33.02	32.79	8.57	Jul 1917	22	13.69	Aug 1980	.00	Feb 1995	100.3	63.1	21.0	7.9	22.59	24.57	27.14	29.09	30.84	32.53	34.29	36.23	38.60	42.05	45.04

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1901-2001

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Complete documentation available from:

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Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: VIROQUA 2 S, WI

COOP ID: 478827

Climate Division: WI 7

NWS Call Sign:

Elevation: 1,160 Feet

Lat: 43°32N

Lon: 90°52W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	9.7	8.1	7	5	13.0	1971	4	21.0	1982	32	1996	31	20	1999	5.2	3.4	1.2	.4	.1	26.5	22.8	16.4	7.8
Feb	7.9	6.9	7	6	8.0	1994	23	20.5	1994	32	1996	5	21	1979	3.7	2.6	.9	.3	.0	21.8	18.6	13.8	6.7
Mar	5.8	5.0	3	1	10.0	1971	19	14.0	1972	23	1975	12	18	1975	2.7	1.8	.5	.2	@	8.9	6.2	3.6	.8
Apr	2.7	1.0	#	#	13.0	1973	9	17.0	1973	17	1973	10	2	1973	1.0	.8	.3	.1	@	1.4	.8	.3	.1
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.5	.0	#	0	3.0	1990	11	3.0+	1995	3	1995	31	#+	1999	.3	.2	.1	.0	.0	.2	.1	.0	.0
Nov	4.1	3.0	1	#	12.0	1991	24	15.0	1985	14	1991	28	7	1991	2.3	1.6	.5	.2	@	4.8	2.8	1.9	.3
Dec	9.5	5.8	4	3	15.0	1985	2	35.0	1985	26	2000	31	18	1985	5.3	3.3	1.0	.3	@	20.8	15.8	9.8	3.0
Ann	40.2	29.8	N/A	N/A	15.0	Dec 1985	2	35.0	Dec 1985	32+	Feb 1996	5	21	Feb 1979	20.5	13.7	4.5	1.5	.1	84.4	67.1	45.8	18.7

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: VIROQUA 2 S, WI

COOP ID: 478827

Climate Division: WI 7

NWS Call Sign:

Elevation: 1,160 Feet

Lat: 43°32N

Lon: 90°52W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/16	6/10	6/06	6/02	5/29	5/26	5/22	5/18	5/11
32	5/29	5/24	5/20	5/17	5/14	5/10	5/07	5/03	4/28
28	5/17	5/12	5/08	5/04	5/01	4/28	4/25	4/21	4/15
24	5/01	4/26	4/23	4/20	4/17	4/14	4/11	4/07	4/02
20	4/19	4/15	4/13	4/10	4/08	4/06	4/03	3/31	3/27
16	4/17	4/12	4/09	4/06	4/03	4/01	3/29	3/25	3/21
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/06	9/10	9/12	9/15	9/17	9/19	9/21	9/24	9/28
32	9/14	9/19	9/22	9/25	9/27	9/30	10/03	10/06	10/11
28	9/19	9/24	9/27	9/29	10/02	10/04	10/07	10/10	10/14
24	9/29	10/05	10/09	10/13	10/16	10/20	10/23	10/28	11/02
20	10/09	10/15	10/20	10/24	10/27	10/31	11/04	11/08	11/14
16	10/20	10/26	10/30	11/02	11/05	11/09	11/12	11/16	11/21
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	131	124	119	114	110	106	101	96	88
32	157	150	145	140	136	132	128	123	116
28	172	166	161	157	153	149	145	140	134
24	204	196	191	186	182	177	172	167	159
20	222	215	210	206	202	198	193	188	181
16	239	231	225	220	215	211	206	200	192

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: VIROQUA 2 S, WI

COOP ID: 478827

Climate Division: WI 7 NWS Call Sign: Elevation: 1,160 Feet Lat: 43°32N Lon: 90°52W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1616	1280	1052	625	309	71	26	63	224	566	989	1438	8259
60	1461	1140	897	480	193	20	5	17	113	417	839	1283	6865
57	1368	1056	804	397	138	7	0	7	66	333	749	1190	6115
55	1306	1000	742	344	107	4	0	2	43	281	689	1128	5646
50	1151	860	592	227	50	0	0	0	11	171	543	973	4578
32	623	404	168	15	0	0	0	0	0	7	135	463	1815

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	31	48	139	380	735	990	1157	1078	779	464	136	48	5985
55	0	0	0	19	129	303	444	367	133	26	0	0	1421
57	0	0	0	12	98	247	382	309	95	16	0	0	1159
60	0	0	0	5	61	170	294	227	52	7	0	0	816
65	0	0	0	1	21	71	160	117	13	0	0	0	383
70	0	0	0	0	5	17	69	46	2	0	0	0	139

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	2	50	220	526	779	945	866	585	275	50	3	0	2	52	272	798	1577	2522	3388	3973	4248	4298	4301
45	0	1	24	124	379	629	790	711	438	164	20	1	0	1	25	149	528	1157	1947	2658	3096	3260	3280	3281
50	0	0	10	67	248	479	635	556	300	90	4	0	0	0	10	77	325	804	1439	1995	2295	2385	2389	2389
55	0	0	4	30	138	336	480	402	184	37	1	0	0	0	4	34	172	508	988	1390	1574	1611	1612	1612
60	0	0	0	12	68	202	328	255	99	9	0	0	0	0	0	12	80	282	610	865	964	973	973	973
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	34	144	328	503	629	564	363	168	28	1	0	1	35	179	507	1010	1639	2203	2566	2734	2762	2763

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: WASHINGTON ISLAND, WI

COOP ID: 478905

Climate Division: WI 6

NWS Call Sign:

Elevation: 600 Feet Lat: 45°22N Lon: 86°56W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	23.6	9.2	16.4	47	1975	11	25.2	1990	-27	1982	17	5.0	1977	1508	0	.0	.0	.0	22.6	30.7	7.0
Feb	26.1	9.8	18.0	52	1984	23	29.0	1998	-26	1996	3	7.9	1979	1317	0	.0	.0	@	17.4	27.4	5.9
Mar	35.4	19.9	27.7	71	2000	8	36.0	2000	-26	1962	1	21.4	1972	1159	0	.0	.0	2.3	7.8	27.5	1.4
Apr	46.4	30.7	38.6	77+	1952	29	43.2	1986	2	1982	6	32.3	1972	794	0	.0	.0	13.6	.7	16.8	.0
May	58.9	41.0	50.0	87+	1986	29	57.3	1998	20	1950	8	44.5	1983	468	2	.0	.0	29.1	.0	4.6	.0
Jun	67.7	51.0	59.4	92+	1988	6	64.5	1987	26	1949	8	54.3	1982	194	24	.0	.1	30.0	.0	.2	.0
Jul	73.8	58.3	66.1	94	1983	14	70.4	1983	35	1972	4	61.0	1992	52	86	.0	.3	31.0	.0	.0	.0
Aug	72.5	58.0	65.3	97	1955	21	70.6	1995	32	1950	22	61.1	1977	77	85	.0	.1	31.0	.0	.0	.0
Sep	64.7	51.4	58.1	94	1953	1	63.8	1998	26	1976	28	54.0	1993	219	11	.0	.0	29.9	.0	.5	.0
Oct	53.3	40.7	47.0	84	1963	6	52.9	1973	18	1989	9	42.3	1981	557	0	.0	.0	24.9	.0	5.3	.0
Nov	40.6	29.5	35.1	71+	1999	9	41.4	1999	1	1950	23	28.7	1995	900	0	.0	.0	6.0	3.2	19.3	.0
Dec	29.1	18.3	23.7	58	2001	6	30.6	1994	-21	1976	29	13.0	1989	1281	0	.0	.0	.3	15.5	29.0	1.8
Ann	49.3	34.8	42.1	97	Aug 1955	21	70.6	Aug 1995	-27	Jan 1982	17	5.0	Jan 1977	8526	208	.0	.5	198.1	67.2	161.3	16.1

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

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Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: WASHINGTON ISLAND, WI

COOP ID: 478905

Climate Division: WI 6

NWS Call Sign:

Elevation: 600 Feet Lat: 45°22N

Lon: 86°56W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.58	1.25	2.00	1996	18	4.06	1999	.43	1986	8.3	5.3	.6	.1	.40	.55	.78	.98	1.19	1.40	1.63	1.91	2.28	2.85	3.39
Feb	.84	.82	.91	1953	6	1.57	1973	.00	1982	5.8	3.2	.2	.0	.14	.25	.40	.51	.62	.74	.88	1.03	1.23	1.56	1.86
Mar	1.67	1.61	1.25	1998	31	4.01	1977	.06	1999	6.7	4.3	1.0	.3	.19	.32	.55	.79	1.03	1.31	1.63	2.03	2.58	3.48	4.35
Apr	2.26	2.33	1.62	1965	12	4.42	1996	.26	1989	7.8	5.3	1.5	.2	.67	.89	1.21	1.49	1.75	2.04	2.34	2.71	3.18	3.92	4.60
May	2.65	2.71	3.21	1965	16	5.42	1983	.69	1980	8.3	6.1	1.8	.4	.89	1.14	1.51	1.82	2.12	2.43	2.76	3.15	3.66	4.44	5.16
Jun	3.20	2.94	2.56	1969	26	9.92	1990	.47	1995	8.8	6.5	2.2	.7	.79	1.09	1.56	1.97	2.38	2.81	3.30	3.87	4.62	5.80	6.92
Jul	3.06	2.73	2.94	1950	30	7.26	1999	1.12	1987	9.3	6.2	2.2	.6	1.08	1.37	1.79	2.14	2.48	2.82	3.20	3.63	4.19	5.06	5.85
Aug	3.27	2.91	3.03	1956	4	5.64	1974	1.09	1991	9.3	6.3	2.4	.6	1.33	1.63	2.06	2.41	2.74	3.07	3.43	3.85	4.37	5.18	5.91
Sep	3.34	3.53	3.33	1959	8	5.83	2000	.65	1989	9.7	6.9	2.5	.7	1.15	1.47	1.93	2.32	2.69	3.07	3.49	3.98	4.61	5.58	6.47
Oct	2.79	2.74	2.22	1979	22	5.56	1995	.56	1975	8.7	5.9	1.9	.5	.93	1.20	1.58	1.91	2.23	2.55	2.91	3.32	3.86	4.69	5.45
Nov	2.43	2.27	2.11	1984	1	5.50	1988	.43	1976	9.1	6.2	1.3	.4	.65	.88	1.23	1.54	1.84	2.16	2.52	2.93	3.48	4.33	5.13
Dec	1.45	1.40	1.63	1959	28	3.17	1971	.20	1994	8.2	5.0	.5	.0	.39	.53	.73	.92	1.10	1.29	1.50	1.75	2.07	2.58	3.05
Ann	28.54	28.99	3.33	Sep 1959	8	9.92	Jun 1990	.00	Feb 1982	100.0	67.2	18.1	4.5	22.85	24.00	25.45	26.53	27.48	28.38	29.31	30.32	31.53	33.26	34.74

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

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Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: WASHINGTON ISLAND, WI

COOP ID: 478905

Climate Division: WI 6

NWS Call Sign:

Elevation: 600 Feet

Lat: 45°22N

Lon: 86°56W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	13.6	11.0	8	6	12.0	1971	4	30.8	1971	36	1971	31	24	1971	7.8	6.3	1.9	.5	.1	-9.9	-9.9	-9.9	-9.9
Feb	8.3	7.6	11	7	8.0	1985	13	21.0	1985	40	1979	21	36	1979	5.0	3.6	.9	.1	.0	-9.9	-9.9	-9.9	-9.9
Mar	9.7	7.8	6	4	12.0	1972	29	28.5	1989	30	1979	1	20	1971	4.5	3.0	1.1	.4	.1	-9.9	-9.9	-9.9	-9.9
Apr	2.4	2.0	1	#	6.0	1996	15	7.0	1993	16	1971	1	9	1971	1.5	1.1	.3	.1	.0	2.0	1.2	.8	.6
May	.2	.0	#	0	4.0	1979	5	4.0	1979	4	1979	5	#	1979	.1	.1	@	.0	.0	@	@	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	#	0	3.0	1976	19	3.0	1976	1	1976	19	#+	1999	.1	.1	@	.0	.0	@	.0	.0	.0
Nov	3.8	2.8	#	#	5.0	1971	29	20.3	1995	5	1995	30	2	1995	2.7	1.8	.3	@	.0	2.7	.8	.2	.0
Dec	12.3	12.2	3	1	8.0	1976	27	23.0	1996	19	1985	23	15	1985	6.1	4.8	1.3	.3	.0	-9.9	-9.9	-9.9	-9.9
Ann	50.4	43.4	N/A	N/A	12.0+	Mar 1972	29	30.8	Jan 1971	40	Feb 1979	21	36	Feb 1979	27.8	20.8	5.8	1.4	.2	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: WASHINGTON ISLAND, WI

COOP ID: 478905

Climate Division: WI 6

NWS Call Sign:

Elevation: 600 Feet

Lat: 45° 22N

Lon: 86° 56W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/21	6/15	6/10	6/06	6/03	5/30	5/26	5/22	5/15
32	6/04	5/30	5/26	5/23	5/20	5/17	5/14	5/10	5/05
28	5/19	5/15	5/11	5/08	5/05	5/03	4/30	4/26	4/21
24	5/07	5/02	4/29	4/26	4/23	4/21	4/18	4/15	4/10
20	4/22	4/17	4/14	4/11	4/08	4/05	4/02	3/30	3/25
16	4/13	4/08	4/04	4/01	3/29	3/26	3/23	3/20	3/15
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/08	9/15	9/19	9/23	9/27	9/30	10/04	10/08	10/15
32	9/20	9/26	9/30	10/04	10/08	10/11	10/15	10/19	10/25
28	10/01	10/07	10/11	10/15	10/19	10/22	10/26	10/30	11/05
24	10/17	10/23	10/28	10/31	11/04	11/07	11/11	11/15	11/21
20	10/30	11/05	11/09	11/13	11/16	11/20	11/23	11/28	12/03
16	11/07	11/14	11/19	11/23	11/27	11/30	12/04	12/09	12/16
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	141	132	126	120	115	110	105	98	90
32	163	155	149	144	140	135	130	124	116
28	189	181	175	170	165	161	156	150	142
24	216	208	203	198	193	189	184	178	170
20	246	237	231	226	222	217	212	206	198
16	266	257	251	246	241	237	232	226	217

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: WASHINGTON ISLAND, WI

COOP ID: 478905

Climate Division: WI 6 NWS Call Sign: Elevation: 600 Feet Lat: 45°22N Lon: 86°56W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1508	1317	1159	794	468	194	52	77	219	557	900	1281	8526
60	1353	1177	1004	644	324	97	10	21	106	405	750	1126	7017
57	1260	1093	911	554	246	56	2	8	59	318	660	1033	6200
55	1198	1037	849	495	199	37	1	3	37	263	600	971	5690
50	1043	897	694	351	104	9	0	0	7	148	451	816	4520
32	504	415	200	27	0	0	0	0	0	2	62	315	1525

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	19	22	65	223	557	820	1056	1031	782	468	153	57	5253
55	0	0	0	1	43	167	344	322	129	16	0	0	1022
57	0	0	0	0	27	126	283	264	91	9	0	0	800
60	0	0	0	0	13	76	198	184	48	3	0	0	522
65	0	0	0	0	2	24	86	85	11	0	0	0	208
70	0	0	0	0	0	4	21	25	1	0	0	0	51

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	11	84	338	605	828	814	556	261	50	2	0	0	11	95	433	1038	1866	2680	3236	3497	3547	3549
45	0	0	0	29	206	455	673	659	409	141	13	0	0	0	0	29	235	690	1363	2022	2431	2572	2585	2585
50	0	0	0	7	99	305	518	504	267	53	2	0	0	0	0	7	106	411	929	1433	1700	1753	1755	1755
55	0	0	0	0	36	176	364	351	151	14	0	0	0	0	0	0	36	212	576	927	1078	1092	1092	1092
60	0	0	0	0	6	81	216	204	64	0	0	0	0	0	0	0	6	87	303	507	571	571	571	571
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	5	46	186	351	526	510	312	111	12	0	0	0	5	51	237	588	1114	1624	1936	2047	2059	2059

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: WATERTOWN, WI

COOP ID: 478919

Climate Division: WI 8

NWS Call Sign:

Elevation: 825 Feet Lat: 43° 11N

Lon: 88° 44W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max ≥ 100	Max ≥ 90	Max ≥ 50	Max ≤ 32	Min ≤ 32	Min ≤ 0
Jan	25.3	7.1	16.2	60	1944	26	28.2	1990	-31+	1994	19	2.1	1977	1514	0	.0	.0	.4	21.2	30.3	9.8
Feb	30.2	12.0	21.1	64+	2000	26	34.3	1998	-33	1929	20	11.1	1979	1229	0	.0	.0	1.3	14.6	26.6	5.5
Mar	41.8	23.6	32.7	81	1986	30	41.7	2000	-23	1962	1	24.6	1975	1003	0	.0	.0	8.0	5.3	24.1	.8
Apr	55.7	35.0	45.4	91	1980	22	51.4	1977	4	1948	12	38.5	1975	591	1	.0	@	21.4	.3	10.1	.0
May	68.9	46.3	57.6	97	1934	31	65.2	1977	23	1966	9	51.4	1997	273	44	.0	.5	30.4	.0	1.0	.0
Jun	78.8	56.1	67.5	101+	1988	22	71.8	1991	31	1945	4	61.5	1982	48	122	.1	3.2	30.0	.0	.0	.0
Jul	82.5	61.1	71.8	103	1934	24	75.9	1999	41+	1965	6	67.1	1992	9	221	.1	5.1	31.0	.0	.0	.0
Aug	80.2	58.9	69.6	103	1937	16	76.3	1995	37	1958	25	65.2	1992	34	176	.1	2.9	31.0	.0	.0	.0
Sep	72.4	50.2	61.3	100+	1939	15	66.0	1978	26+	1983	23	56.2	1993	151	39	.0	.7	30.0	.0	.5	.0
Oct	60.3	39.0	49.7	92	1943	29	58.0	1971	7	1925	30	43.7	1988	479	3	.0	.0	26.3	.0	7.2	.0
Nov	44.0	27.4	35.7	76	1944	1	42.9	1999	-7	1947	30	27.3	1976	880	0	.0	.0	9.7	4.2	20.3	.2
Dec	30.7	14.3	22.5	66	2001	6	30.6	1998	-27	1983	24	9.4	1983	1318	0	.0	.0	1.3	15.3	28.8	4.6
Ann	55.9	35.9	45.9	103+	Aug 1937	16	76.3	Aug 1995	-33	Feb 1929	20	2.1	Jan 1977	7529	606	.3	12.4	220.8	60.9	148.9	20.9

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1924-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: WATERTOWN, WI

COOP ID: 478919

Climate Division: WI 8

NWS Call Sign:

Elevation: 825 Feet Lat: 43°11N

Lon: 88°44W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.31	1.25	1.58	1939	5	2.97	1979	.27	1984	9.0	4.3	.5	.1	.37	.50	.68	.85	1.01	1.17	1.36	1.57	1.86	2.30	2.71
Feb	1.23	1.06	1.47	1938	12	3.33	1981	.01	1987	7.3	3.5	.5	.1	.09	.17	.33	.50	.69	.91	1.16	1.49	1.94	2.70	3.45
Mar	2.14	1.97	2.36	1998	31	5.03	1976	.25	1978	9.0	5.0	1.2	.4	.35	.53	.84	1.14	1.44	1.77	2.15	2.61	3.23	4.23	5.19
Apr	3.13	2.92	2.83	1982	3	6.98	1993	1.17	1994	11.2	7.0	1.8	.6	1.24	1.53	1.94	2.28	2.60	2.93	3.28	3.68	4.20	4.99	5.71
May	3.17	2.83	3.51	2000	18	9.32	2000	.74	1981	10.5	6.7	2.2	.5	.91	1.21	1.67	2.06	2.44	2.84	3.29	3.81	4.49	5.55	6.54
Jun	4.31	4.28	3.54	1938	30	9.35	1994	1.20	1992	9.8	6.5	2.5	1.4	1.21	1.62	2.23	2.77	3.30	3.85	4.46	5.18	6.12	7.59	8.95
Jul	4.43	3.85	6.65	1982	11	10.47	1982	.72	1973	10.8	6.8	3.1	1.0	1.42	1.84	2.46	2.99	3.50	4.03	4.62	5.30	6.17	7.54	8.80
Aug	4.49	3.94	3.44	1968	20	9.19	1995	1.74	1984	10.2	7.5	3.5	1.3	1.92	2.33	2.89	3.36	3.79	4.23	4.70	5.25	5.93	6.97	7.92
Sep	3.66	3.12	4.09	1991	12	8.98	1986	.60	1979	9.4	6.2	2.2	.9	.67	.99	1.53	2.02	2.53	3.08	3.70	4.46	5.46	7.08	8.62
Oct	2.58	2.12	2.75	1995	6	6.31	1984	.51	1994	8.8	5.2	1.8	.4	.54	.78	1.15	1.50	1.84	2.21	2.63	3.13	3.79	4.85	5.85
Nov	2.37	2.20	1.86	1926	26	5.14	1985	.19	1976	9.7	5.3	1.5	.4	.62	.84	1.19	1.49	1.79	2.10	2.45	2.87	3.41	4.26	5.05
Dec	1.67	1.53	1.86	1942	27	3.87	1987	.29	1989	9.4	4.3	.8	.1	.33	.48	.72	.95	1.18	1.42	1.70	2.03	2.47	3.18	3.85
Ann	34.49	34.73	6.65	Jul 1982	11	10.47	Jul 1982	.01	Feb 1987	115.1	68.3	21.6	7.2	27.76	29.12	30.83	32.11	33.22	34.29	35.38	36.57	38.00	40.03	41.77

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1924-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: WATERTOWN, WI

COOP ID: 478919

Climate Division: WI 8

NWS Call Sign:

Elevation: 825 Feet

Lat: 43° 11N

Lon: 88° 44W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	12.7	10.9	5	3	13.0	1999	3	50.4	1979	36	1979	25	25	1979	7.0	3.9	1.3	.6	.1	19.9	14.1	9.9	4.1
Feb	7.6	7.7	4	3	8.0	1994	13	22.6	1974	30	1979	1	26	1979	5.2	2.8	.7	.3	.0	17.8	12.9	8.6	3.6
Mar	5.5	4.5	1	#	11.0	1971	19	18.2	1971	15	1979	1	8	1979	3.4	1.8	.4	.2	@	7.4	3.8	2.2	.7
Apr	1.8	.1	#	#	7.0	1973	10	11.7	1973	9	1997	13	1	1997	.9	.5	.3	.1	.0	1.1	.6	.2	.0
May	.2	.0	#	0	3.0	1994	1	3.0	1994	3	1994	1	#+	1994	.1	.1	@	.0	.0	.1	@	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	0	0	#	1984	26	#	1984	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	#	0	2.0	1997	27	2.0	1997	1	1992	20	#+	1992	.1	.1	.0	.0	.0	@	.0	.0	.0
Nov	2.9	1.1	#	#	8.0	1995	28	12.0	1995	9	1977	29	2	1977	2.1	1.0	.2	@	.0	2.3	.8	.3	.0
Dec	8.6	7.8	2	1	7.5	1984	27	21.8	1977	16+	2000	31	9	1977	6.1	3.1	1.0	.1	.0	13.8	7.2	3.8	.9
Ann	39.4	32.1	N/A	N/A	13.0	Jan 1999	3	50.4	Jan 1979	36	Jan 1979	25	26	Feb 1979	24.9	13.3	3.9	1.3	.1	62.4	39.4	25.0	9.3

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: WATERTOWN, WI

COOP ID: 478919

Climate Division: WI 8

NWS Call Sign:

Elevation: 825 Feet

Lat: 43° 11N

Lon: 88° 44W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/01	5/26	5/21	5/17	5/13	5/09	5/05	5/01	4/24
32	5/14	5/09	5/05	5/02	4/29	4/26	4/23	4/19	4/14
28	5/01	4/27	4/23	4/20	4/18	4/15	4/12	4/08	4/04
24	4/18	4/15	4/12	4/10	4/08	4/05	4/03	4/01	3/28
20	4/12	4/07	4/04	4/01	3/29	3/26	3/23	3/19	3/14
16	4/05	3/31	3/27	3/23	3/20	3/17	3/13	3/09	3/04
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/17	9/21	9/24	9/26	9/28	9/30	10/02	10/05	10/08
32	9/25	9/29	10/01	10/04	10/06	10/08	10/11	10/13	10/17
28	10/03	10/08	10/13	10/16	10/20	10/23	10/27	10/31	11/06
24	10/16	10/21	10/25	10/29	11/01	11/04	11/07	11/11	11/17
20	10/24	10/30	11/03	11/07	11/10	11/13	11/17	11/21	11/26
16	11/04	11/10	11/15	11/18	11/22	11/25	11/29	12/03	12/09
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	160	152	146	141	137	133	128	122	114
32	179	172	167	163	159	155	151	146	140
28	209	200	194	189	184	180	174	168	160
24	226	220	215	211	207	203	198	194	187
20	251	242	236	231	225	220	215	209	200
16	272	263	257	251	246	241	235	228	219

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: WATERTOWN, WI

COOP ID: 478919

Climate Division: WI 8 NWS Call Sign: Elevation: 825 Feet Lat: 43° 11N Lon: 88° 44W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1514	1229	1003	591	273	48	9	34	151	479	880	1318	7529
60	1359	1089	848	445	171	13	0	8	67	336	730	1163	6229
57	1266	1005	755	362	122	5	0	2	35	259	640	1070	5521
55	1204	949	693	311	95	3	0	0	21	213	581	1008	5078
50	1049	809	546	195	44	0	0	0	4	119	440	856	4062
32	534	360	137	7	0	0	0	0	0	2	83	373	1496

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	43	55	158	408	794	1064	1235	1164	878	550	193	78	6620
55	0	0	0	21	176	377	522	452	209	48	1	0	1806
57	0	0	0	13	141	320	460	392	163	32	0	0	1521
60	0	0	0	6	97	238	367	305	105	15	0	0	1133
65	0	0	0	1	44	122	221	176	39	3	0	0	606
70	0	0	0	0	16	45	103	84	9	0	0	0	257

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	3	62	241	582	851	1006	939	661	337	79	6	0	3	65	306	888	1739	2745	3684	4345	4682	4761	4767
45	0	0	33	140	432	701	851	784	511	217	35	1	0	0	33	173	605	1306	2157	2941	3452	3669	3704	3705
50	0	0	11	76	293	551	696	629	369	119	15	0	0	0	11	87	380	931	1627	2256	2625	2744	2759	2759
55	0	0	3	37	176	403	541	475	241	59	3	0	0	0	3	40	216	619	1160	1635	1876	1935	1938	1938
60	0	0	0	16	95	266	386	321	135	23	0	0	0	0	0	16	111	377	763	1084	1219	1242	1242	1242
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	2	38	148	353	549	680	619	408	193	40	2	0	2	40	188	541	1090	1770	2389	2797	2990	3030	3032

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: WAUKESHA, WI

COOP ID: 478937

Climate Division: WI 9

NWS Call Sign:

Elevation: 830 Feet

Lat: 43°01N

Lon: 88°14W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	27.5	11.4	19.5	58+	1997	5	30.3	1990	-27+	1994	18	6.6	1977	1413	0	.0	.0	.5	20.6	29.9	7.1
Feb	32.8	16.5	24.7	66	1999	12	36.4	1998	-28	1996	3	14.8	1979	1130	0	.0	.0	1.8	14.2	26.2	3.3
Mar	43.9	26.6	35.3	82	1986	30	42.4	1973	-14	1962	1	28.7	1984	922	0	.0	.0	8.5	5.1	23.6	.2
Apr	57.0	37.5	47.3	91	1980	22	53.8	1977	7	1982	7	42.4	1975	534	2	.0	@	20.4	.3	9.4	.0
May	70.1	48.5	59.3	93	1975	19	67.9	1977	26+	1978	1	53.6	1983	230	53	.0	.6	30.4	.0	.7	.0
Jun	80.0	58.1	69.1	100+	1995	21	75.0	1995	35	1980	11	63.6	1982	45	165	.2	3.3	30.0	.0	.0	.0
Jul	84.2	63.4	73.8	109	1995	14	78.3	1983	43	1950	14	68.3	1992	7	278	.2	5.6	31.0	.0	.0	.0
Aug	81.5	61.8	71.7	101	1948	24	78.1	1995	39	1950	20	66.9	1997	20	226	.1	3.1	31.0	.0	.0	.0
Sep	73.4	53.0	63.2	101+	1953	2	68.2	1971	28	1949	29	60.0	1993	107	54	.0	.9	29.9	.0	.2	.0
Oct	61.0	41.8	51.4	88+	1971	1	59.4	1971	17+	1987	21	43.9	1987	428	6	.0	.0	26.6	.0	4.8	.0
Nov	45.4	29.8	37.6	77	1950	1	44.7	1999	-9	1950	24	28.9	1995	823	0	.0	.0	10.3	3.7	18.8	.1
Dec	32.6	17.8	25.2	68	2001	6	33.6	1994	-23	1983	24	14.2	1983	1234	0	.0	.0	1.6	14.5	28.1	3.5
Ann	57.5	38.9	48.2	109	Jul 1995	14	78.3	Jul 1983	-28	Feb 1996	3	6.6	Jan 1977	6893	784	.5	13.5	222.0	58.4	141.7	14.2

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: WAUKESHA, WI

COOP ID: 478937

Climate Division: WI 9

NWS Call Sign:

Elevation: 830 Feet Lat: 43°01N

Lon: 88°14W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.48	1.29	1.45	1982	4	4.27	1999	.23	1981	10.4	4.6	.7	.2	.32	.46	.67	.87	1.07	1.27	1.51	1.79	2.16	2.75	3.31
Feb	1.31	1.15	1.60	1997	21	3.20	1997	.00	1987	8.0	3.7	.7	.1	.17	.33	.55	.74	.93	1.13	1.35	1.62	1.97	2.54	3.07
Mar	2.28	2.02	2.10	1976	4	5.54	1976	.46	1980	9.9	5.4	1.3	.1	.49	.70	1.03	1.34	1.64	1.97	2.33	2.77	3.35	4.27	5.15
Apr	3.53	3.42	3.37	1973	21	7.88	1973	1.12	1989	12.2	7.0	2.4	.6	1.24	1.57	2.06	2.46	2.85	3.25	3.69	4.20	4.85	5.85	6.77
May	3.02	3.12	2.21	1970	12	8.05	2000	.88	1988	11.1	6.5	1.9	.7	.96	1.24	1.67	2.03	2.38	2.74	3.14	3.61	4.21	5.15	6.01
Jun	3.78	3.53	3.93	1997	21	7.83	1996	.53	1995	10.2	6.2	2.6	1.0	1.09	1.45	1.99	2.46	2.92	3.39	3.92	4.54	5.35	6.61	7.79
Jul	3.83	3.57	5.09	1952	18	7.54	2000	1.40	1998	10.0	6.4	2.6	1.1	1.57	1.92	2.42	2.82	3.21	3.59	4.01	4.49	5.10	6.03	6.87
Aug	4.77	4.35	3.52	1995	20	10.83	1995	1.10	1973	10.1	7.5	3.2	1.4	1.61	2.06	2.72	3.28	3.82	4.37	4.98	5.69	6.60	8.01	9.31
Sep	3.52	3.36	3.70	1961	13	8.40	1972	.00	1979	8.9	5.8	2.2	.9	.46	.90	1.50	2.00	2.50	3.03	3.63	4.34	5.28	6.77	8.18
Oct	2.62	2.39	2.06	1991	5	5.79	1985	.54	1975	9.2	5.1	1.7	.5	.62	.86	1.24	1.59	1.93	2.29	2.69	3.17	3.80	4.80	5.74
Nov	2.63	2.41	2.42	1982	1	5.99	1985	.53	1976	10.4	5.7	1.7	.4	.67	.92	1.30	1.64	1.97	2.32	2.71	3.18	3.78	4.73	5.62
Dec	1.87	1.73	1.65	1982	2	4.21	1971	.34	1976	10.2	4.8	1.0	.2	.44	.61	.88	1.13	1.37	1.63	1.92	2.26	2.71	3.43	4.11
Ann	34.64	34.76	5.09	Jul 1952	18	10.83	Aug 1995	.00+	Feb 1987	120.6	68.7	22.0	7.2	28.15	29.47	31.13	32.36	33.44	34.47	35.52	36.66	38.04	40.00	41.66

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: WAUKESHA, WI

COOP ID: 478937

Climate Division: WI 9

NWS Call Sign:

Elevation: 830 Feet

Lat: 43°01N

Lon: 88°14W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	12.5	13.5	6	5	14.0	1982	4	27.4	1982	30	1979	19	21	1979	7.3	4.0	1.4	.4	.2	20.0	14.9	9.6	2.9
Feb	9.0	9.0	5	4	8.0	1974	5	30.6	1994	18	1994	13	12	1979	4.5	2.7	1.0	.3	.0	17.5	12.2	7.6	2.2
Mar	7.0	6.3	1	1	11.0	1971	18	19.7	1972	14	1971	19	5	1971	3.7	2.1	.8	.3	@	6.1	3.5	2.0	.2
Apr	3.1	1.5	#	#	14.0	1973	9	18.0	1973	14	1973	9	2	1973	1.2	.8	.3	.2	@	.8	.5	.3	.1
May	#	.0	0	0	#	1971	2	#	1971	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	#	0	1.7	1992	20	1.7	1992	2	1992	20	#+	1997	.1	.1	.0	.0	.0	.1	.0	.0	.0
Nov	3.2	2.0	#	#	10.0	1995	28	15.1	1995	10	1995	29	3	1995	1.9	1.2	.2	.1	@	2.8	1.1	.6	.1
Dec	8.1	7.2	2	2	9.3	1984	26	23.1	1978	20	2000	31	10	2000	6.3	3.7	.9	.3	.0	15.1	7.0	3.0	.1
Ann	43.0	39.5	N/A	N/A	14.0+	Jan 1982	4	30.6	Feb 1994	30	Jan 1979	19	21	Jan 1979	25.0	14.6	4.6	1.6	.2	62.4	39.2	23.1	5.6

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: WAUKESHA, WI

COOP ID: 478937

Climate Division: WI 9

NWS Call Sign:

Elevation: 830 Feet

Lat: 43° 01N

Lon: 88° 14W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/28	5/23	5/19	5/16	5/13	5/10	5/07	5/04	4/29
32	5/11	5/06	5/03	4/30	4/27	4/25	4/22	4/18	4/14
28	4/28	4/23	4/20	4/17	4/14	4/12	4/09	4/05	4/01
24	4/17	4/13	4/11	4/08	4/06	4/04	4/02	3/30	3/26
20	4/11	4/06	4/02	3/30	3/27	3/24	3/20	3/17	3/11
16	4/03	3/29	3/25	3/21	3/18	3/15	3/12	3/08	3/02
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/20	9/24	9/27	9/29	10/02	10/04	10/07	10/09	10/14
32	9/26	10/01	10/06	10/09	10/13	10/16	10/19	10/24	10/29
28	10/09	10/15	10/19	10/23	10/26	10/29	11/02	11/06	11/12
24	10/21	10/25	10/28	10/31	11/03	11/05	11/08	11/11	11/16
20	10/30	11/05	11/09	11/13	11/16	11/19	11/23	11/27	12/03
16	11/09	11/14	11/18	11/22	11/25	11/28	12/01	12/05	12/11
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	158	152	148	144	141	137	134	130	124
32	192	183	177	172	168	163	158	152	144
28	215	208	202	198	194	190	185	180	173
24	226	221	217	213	210	207	203	199	193
20	260	251	244	239	234	228	223	216	207
16	276	268	261	256	251	246	241	234	226

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: WAUKESHA, WI

COOP ID: 478937

Climate Division: WI 9 NWS Call Sign: Elevation: 830 Feet Lat: 43°01N Lon: 88°14W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1413	1130	922	534	230	45	7	20	107	428	823	1234	6893
60	1258	990	767	390	135	13	0	4	39	292	673	1079	5640
57	1165	906	674	310	91	6	0	0	18	221	585	986	4962
55	1103	850	613	260	68	3	0	0	9	180	526	924	4536
50	948	710	467	154	27	0	0	0	1	97	389	773	3566
32	437	271	89	3	0	0	0	0	0	2	63	303	1168

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	47	65	189	461	846	1111	1295	1229	937	603	230	93	7106
55	0	0	1	28	201	423	582	516	256	68	3	0	2078
57	0	0	0	17	162	366	520	454	205	48	2	0	1774
60	0	0	0	8	113	284	427	365	137	25	0	0	1359
65	0	0	0	2	53	165	278	226	54	6	0	0	784
70	0	0	0	0	20	79	148	119	14	0	0	0	380

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	7	68	242	578	848	1025	962	684	360	89	7	0	7	75	317	895	1743	2768	3730	4414	4774	4863	4870
45	0	1	31	142	428	698	870	807	535	225	40	3	0	1	32	174	602	1300	2170	2977	3512	3737	3777	3780
50	0	0	13	77	286	548	715	652	391	127	15	0	0	0	13	90	376	924	1639	2291	2682	2809	2824	2824
55	0	0	6	40	173	399	560	497	256	63	3	0	0	0	6	46	219	618	1178	1675	1931	1994	1997	1997
60	0	0	1	17	90	265	405	343	149	24	0	0	0	0	1	18	108	373	778	1121	1270	1294	1294	1294
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	2	44	142	342	547	689	638	419	194	42	2	0	2	46	188	530	1077	1766	2404	2823	3017	3059	3061

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: WAUPACA, WI

COOP ID: 478951

Climate Division: WI 5

NWS Call Sign:

Elevation: 871 Feet Lat: 44°21N Lon: 89°04W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	24.3	6.0	15.2	58	1998	3	27.4	1990	-35	1951	30	3.7	1977	1546	0	.0	.0	.2	22.4	30.7	10.4
Feb	29.9	10.7	20.3	61	2000	27	31.4	1998	-30	1996	3	10.2	1979	1252	0	.0	.0	1.0	15.4	27.2	6.3
Mar	40.7	21.8	31.3	84	1986	30	39.9	2000	-23	1962	1	24.4	1972	1046	0	.0	.0	6.5	6.1	25.9	1.5
Apr	55.1	33.5	44.3	92	1980	23	49.5	1977	6	1954	3	37.6	1975	622	1	.0	.1	20.4	.4	12.6	.0
May	68.4	44.8	56.6	95	1959	2	64.0	1977	20	1989	6	50.5	1983	294	34	.0	.2	30.3	.0	1.9	.0
Jun	77.2	54.0	65.6	99	1988	22	70.4	1995	33+	1972	10	59.6	1982	73	91	.0	2.6	30.0	.0	.0	.0
Jul	81.3	59.2	70.3	105	1995	14	74.4	1999	40	1968	3	65.3	1992	15	177	.2	4.1	31.0	.0	.0	.0
Aug	78.6	57.2	67.9	105	1955	21	72.5	1995	35	1967	22	64.7	1986	38	127	@	2.0	31.0	.0	.0	.0
Sep	70.0	48.6	59.3	98	1953	2	65.6	1998	24	1974	23	54.1	1975	196	26	.0	.4	29.9	.0	.8	.0
Oct	58.0	37.8	47.9	90	1963	6	55.1	1971	15	1988	30	42.8	1987	532	1	.0	.0	25.1	.0	8.5	.0
Nov	41.8	26.1	34.0	75+	1999	10	42.2	1999	-9+	1950	25	26.6	1995	931	0	.0	.0	7.9	4.7	22.2	.3
Dec	28.5	12.8	20.7	64	1998	4	28.8	1997	-28	1983	24	8.9	2000	1374	0	.0	.0	1.0	17.8	30.0	5.6
Ann	54.5	34.4	44.5	105+	Jul 1995	14	74.4	Jul 1999	-35	Jan 1951	30	3.7	Jan 1977	7919	457	.2	9.4	214.3	66.8	159.8	24.1

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: WAUPACA, WI

COOP ID: 478951

Climate Division: WI 5

NWS Call Sign:

Elevation: 871 Feet

Lat: 44°21N

Lon: 89°04W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.36	1.19	1.42	1997	30	3.49	1998	.11	1981	9.0	4.2	.5	.1	.27	.39	.59	.77	.96	1.16	1.39	1.66	2.02	2.60	3.16
Feb	1.05	1.09	1.43	1966	8	3.28	1981	.17	1982	6.4	3.1	.5	.1	.20	.30	.45	.59	.74	.89	1.07	1.28	1.56	2.01	2.44
Mar	2.24	1.88	2.40	1973	7	5.06	1973	.17	1978	7.8	5.1	1.5	.4	.42	.62	.95	1.26	1.56	1.89	2.27	2.72	3.33	4.29	5.21
Apr	3.05	2.84	2.98	1949	26	5.87	1994	.65	1997	10.0	6.4	2.1	.4	.98	1.27	1.70	2.06	2.41	2.78	3.18	3.64	4.24	5.17	6.04
May	3.74	3.42	3.82	1954	31	9.18	1973	.99	1981	9.9	6.9	2.7	.9	1.22	1.57	2.10	2.54	2.97	3.42	3.90	4.47	5.20	6.34	7.39
Jun	3.91	3.14	3.66	1996	19	9.31	1996	.72	1988	10.4	7.5	2.2	1.1	.93	1.29	1.87	2.38	2.88	3.42	4.02	4.74	5.68	7.17	8.57
Jul	4.37	3.75	4.36	1979	25	12.18	1994	1.02	1998	10.0	7.1	3.0	1.1	1.34	1.76	2.38	2.91	3.42	3.96	4.55	5.24	6.13	7.52	8.80
Aug	4.11	3.68	3.57	1995	9	10.59	1995	1.64	1989	11.0	7.3	2.8	1.2	1.31	1.70	2.28	2.77	3.25	3.74	4.28	4.91	5.72	6.99	8.16
Sep	3.62	3.13	2.61	1958	6	9.86	1986	.41	1976	10.3	6.4	2.7	1.0	.76	1.09	1.62	2.10	2.59	3.11	3.70	4.41	5.34	6.83	8.24
Oct	2.40	2.44	2.87	1954	3	5.24	1995	.26	1975	8.3	5.0	1.7	.4	.67	.89	1.24	1.54	1.84	2.15	2.49	2.89	3.41	4.24	5.01
Nov	2.39	1.97	2.13	1985	1	5.15	1991	.00	1976	9.0	5.0	1.4	.5	.30	.61	1.01	1.35	1.69	2.06	2.46	2.95	3.59	4.62	5.58
Dec	1.37	1.43	1.33	1959	28	3.07	1982	.23	1989	8.5	4.4	.6	@	.31	.44	.64	.82	1.00	1.19	1.41	1.66	2.00	2.54	3.05
Ann	33.61	34.46	4.36	Jul 1979	25	12.18	Jul 1994	.00	Nov 1976	110.6	68.4	21.7	7.2	25.89	27.43	29.38	30.85	32.14	33.38	34.65	36.04	37.72	40.12	42.19

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: WAUPACA, WI

COOP ID: 478951

Climate Division: WI 5

NWS Call Sign:

Elevation: 871 Feet

Lat: 44°21N

Lon: 89°04W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	9.8	8.8	7	7	12.0	1988	20	23.6	1971	35	1982	25	20	1971	6.4	5.2	1.4	.4	.1	26.1	19.8	15.6	6.5
Feb	7.4	7.5	8	7	8.0	1983	3	16.1	1974	33	1979	22	28	1979	4.0	3.2	.7	.2	.0	25.1	21.0	16.8	9.1
Mar	8.9	8.0	4	3	15.8	1997	14	21.0	1989	25	1979	1	14	1971	3.5	3.0	1.3	.5	.1	14.7	10.2	7.2	3.2
Apr	2.4	.5	#	#	5.9	1977	5	14.0	1993	10	1977	5	1	1996	1.1	.9	.4	.1	.0	2.5	1.0	.4	@
May	.1	.0	#	0	3.0	1990	10	3.0	1990	2	1990	10	#	1990	.1	.1	@	.0	.0	@	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.3	.0	#	0	4.5	1990	11	4.5	1990	5	1990	11	#+	1997	.2	.1	@	.0	.0	.1	@	@	.0
Nov	4.1	3.3	1	#	7.0	1986	20	12.0	1985	8	1971	29	2	1995	2.4	1.6	.4	.3	.0	3.5	1.7	.7	.0
Dec	11.4	11.1	4	2	15.0	1985	2	28.5	1985	19	1985	31	16	1985	5.5	4.1	1.2	.4	@	21.1	13.7	8.0	2.4
Ann	44.4	39.2	N/A	N/A	15.8	Mar 1997	14	28.5	Dec 1985	35	Jan 1982	25	28	Feb 1979	23.2	18.2	5.4	1.9	.2	93.1	67.4	48.7	21.2

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: WAUPACA, WI

COOP ID: 478951

Climate Division: WI 5

NWS Call Sign:

Elevation: 871 Feet

Lat: 44°21N

Lon: 89°04W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/05	5/30	5/26	5/22	5/19	5/15	5/11	5/07	5/01
32	5/19	5/15	5/11	5/08	5/06	5/03	4/30	4/27	4/22
28	5/03	4/28	4/25	4/22	4/19	4/17	4/14	4/11	4/06
24	4/26	4/21	4/18	4/15	4/12	4/09	4/06	4/03	3/29
20	4/17	4/12	4/08	4/05	4/02	3/30	3/27	3/24	3/19
16	4/08	4/03	3/31	3/28	3/25	3/23	3/20	3/17	3/12
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/15	9/18	9/21	9/23	9/25	9/27	9/29	10/02	10/05
32	9/22	9/26	9/29	10/01	10/03	10/06	10/08	10/11	10/15
28	9/27	10/02	10/06	10/10	10/13	10/16	10/20	10/24	10/30
24	10/11	10/17	10/21	10/25	10/29	11/01	11/05	11/09	11/15
20	10/26	10/31	11/03	11/06	11/08	11/11	11/13	11/17	11/21
16	11/03	11/08	11/12	11/15	11/18	11/21	11/24	11/27	12/02
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	148	141	137	132	129	125	121	116	110
32	166	161	157	153	150	147	143	139	134
28	198	191	185	180	176	172	167	161	154
24	223	214	208	203	199	194	189	183	175
20	241	234	228	224	219	215	210	205	197
16	258	250	245	241	237	233	228	223	216

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: WAUPACA, WI

COOP ID: 478951

Climate Division: WI 5 NWS Call Sign: Elevation: 871 Feet Lat: 44°21N Lon: 89°04W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1546	1252	1046	622	294	73	15	38	196	532	931	1374	7919
60	1391	1112	891	476	186	24	1	7	98	384	781	1219	6570
57	1298	1028	798	391	134	10	0	2	58	302	691	1126	5838
55	1236	972	736	338	104	5	0	1	39	252	631	1064	5378
50	1081	832	586	219	49	1	0	0	10	146	485	909	4318
32	551	368	160	11	0	0	0	0	0	3	99	407	1599

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	28	40	137	380	763	1008	1186	1113	820	495	158	55	6183
55	0	0	0	17	154	323	473	400	169	31	0	0	1567
57	0	0	0	10	122	268	411	340	128	19	0	0	1298
60	0	0	0	4	81	192	318	252	79	8	0	0	934
65	0	0	0	1	34	91	177	127	26	1	0	0	457
70	0	0	0	0	11	29	75	46	5	0	0	0	166

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	42	218	555	799	974	896	614	292	55	3	0	0	42	260	815	1614	2588	3484	4098	4390	4445	4448
45	0	0	16	126	404	649	819	741	466	177	24	1	0	0	16	142	546	1195	2014	2755	3221	3398	3422	3423
50	0	0	7	68	269	499	664	586	325	95	5	0	0	0	7	75	344	843	1507	2093	2418	2513	2518	2518
55	0	0	2	31	161	354	509	431	201	40	0	0	0	0	2	33	194	548	1057	1488	1689	1729	1729	1729
60	0	0	0	13	83	222	354	286	107	13	0	0	0	0	0	13	96	318	672	958	1065	1078	1078	1078
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	29	136	335	509	647	587	371	174	27	0	0	0	29	165	500	1009	1656	2243	2614	2788	2815	2815

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: WAUSAU AP, WI

COOP ID: 478968

Climate Division: WI 2

NWS Call Sign: AUW

Elevation: 1,196 Feet Lat: 44°56N

Lon: 89°38W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	22.4	3.6	13.0	52	1973	25	24.3	1990	-40	1951	30	1.9	1977	1612	0	.0	.0	.1	25.1	30.8	12.8
Feb	28.7	9.3	19.0	59+	2000	29	32.3	1998	-37	1951	9	9.7	1989	1288	0	.0	.0	.5	17.5	27.1	8.0
Mar	39.8	20.5	30.2	79	1986	31	39.9	2000	-33	1962	1	23.2	1975	1081	0	.0	.0	5.1	7.7	26.5	2.4
Apr	54.8	33.2	44.0	91+	1952	29	50.0	1987	4+	1995	4	38.2	1975	631	1	.0	.0	18.7	.8	14.0	.0
May	68.5	45.1	56.8	94	1986	31	65.2	1977	22	1966	9	50.3	1983	293	40	.0	@	29.9	.0	2.2	.0
Jun	76.7	54.2	65.5	97	1987	14	70.8	1995	33	1964	16	59.7	1982	80	92	.0	1.5	30.0	.0	.0	.0
Jul	80.8	59.3	70.1	102	1995	13	74.2	1983	38	1948	1	64.2	1992	22	179	@	2.5	31.0	.0	.0	.0
Aug	78.3	57.4	67.9	99+	1988	16	72.8	1983	35	1965	29	64.0	1992	42	130	.0	1.3	31.0	.0	.0	.0
Sep	69.0	48.2	58.6	95+	1953	2	64.6	1998	23	1949	29	53.0	1993	214	21	.0	.1	29.3	.0	.9	.0
Oct	56.7	37.3	47.0	91	1976	1	54.0	1971	15+	1969	23	41.2	1987	558	1	.0	@	22.1	.1	9.5	.0
Nov	40.1	24.6	32.4	73	1999	9	40.4	1999	-15	1950	25	24.9	1995	980	0	.0	.0	5.8	8.1	23.8	.5
Dec	26.8	10.6	18.7	61+	2001	5	27.1	1997	-26	1983	19	7.5	1985	1436	0	.0	.0	.3	22.1	30.3	7.7
Ann	53.6	33.6	43.6	102	Jul 1995	13	74.2	Jul 1983	-40	Jan 1951	30	1.9	Jan 1977	8237	464	@	5.4	203.8	81.4	165.1	31.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

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Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: WAUSAU AP, WI

COOP ID: 478968

Climate Division: WI 2

NWS Call Sign: AUW

Elevation: 1,196 Feet Lat: 44°56N

Lon: 89°38W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.09	.96	1.48	1996	18	3.08	1996	.07	1981	10.4	3.4	.3	@	.19	.29	.45	.60	.75	.92	1.11	1.33	1.64	2.13	2.60
Feb	.90	.86	1.28	1981	22	2.81	1981	.06	1987	7.7	2.6	.3	.1	.14	.21	.34	.47	.60	.74	.90	1.10	1.37	1.80	2.22
Mar	1.92	1.73	1.64	1979	23	4.66	1977	.24	1999	9.7	4.8	1.1	.3	.36	.53	.81	1.07	1.34	1.62	1.95	2.34	2.87	3.71	4.51
Apr	2.84	2.77	1.92	1984	29	4.99	1973	.88	1989	11.2	6.4	1.7	.4	1.04	1.31	1.69	2.01	2.32	2.63	2.97	3.37	3.87	4.65	5.36
May	3.54	3.42	3.05	1992	16	7.01	1973	1.16	1986	11.4	7.2	2.3	.7	1.41	1.74	2.20	2.58	2.95	3.31	3.71	4.17	4.75	5.64	6.45
Jun	4.18	3.47	4.46	1980	5	9.41	1980	.52	1976	11.4	7.5	2.6	.9	.86	1.24	1.85	2.41	2.98	3.58	4.26	5.09	6.17	7.91	9.56
Jul	4.12	3.73	3.36	1953	28	9.27	1978	1.38	1998	11.2	7.2	2.5	1.3	1.37	1.76	2.34	2.82	3.29	3.77	4.29	4.91	5.70	6.92	8.05
Aug	4.53	3.86	2.81	1985	12	13.87	1995	1.29	1994	10.9	7.5	3.1	1.4	1.49	1.92	2.55	3.09	3.60	4.14	4.72	5.41	6.29	7.66	8.92
Sep	4.08	4.12	3.60	1963	2	9.79	1986	.61	1979	12.0	7.4	2.5	1.0	1.01	1.39	1.99	2.51	3.04	3.59	4.20	4.93	5.89	7.41	8.83
Oct	2.63	2.31	1.83	1983	11	6.29	1984	.34	2000	10.2	5.9	1.7	.4	.81	1.06	1.43	1.75	2.06	2.38	2.74	3.15	3.69	4.53	5.30
Nov	2.20	1.97	2.04	1985	1	5.51	1991	.02	1976	10.3	4.9	1.4	.5	.26	.43	.74	1.05	1.37	1.74	2.16	2.69	3.41	4.59	5.74
Dec	1.33	1.14	1.42	1965	12	3.03	1971	.38	1994	10.3	3.7	.6	.1	.33	.45	.65	.82	.99	1.17	1.37	1.61	1.93	2.42	2.89
Ann	33.36	34.39	4.46	Jun 1980	5	13.87	Aug 1995	.02	Nov 1976	126.7	68.5	20.1	7.1	24.10	25.91	28.22	29.97	31.52	33.01	34.56	36.26	38.32	41.31	43.89

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

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Climatography of the United States

No. 20 1971-2000

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151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: WAUSAU AP, WI

COOP ID: 478968

Climate Division: WI 2

NWS Call Sign: AUW

Elevation: 1,196 Feet

Lat: 44° 56N

Lon: 89° 38W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	12.4	9.8	9	9	11.5	1996	26	32.1	1996	29	1971	26	22	1971	9.6	4.3	1.1	.5	@	30.6	27.7	24.0	13.6
Feb	8.7	9.7	10	9	7.1	1991	23	19.5	1971	34+	1971	7	26	1971	6.7	2.9	.7	.3	.0	26.9	25.0	22.2	12.4
Mar	10.8	10.1	5	4	10.6	1989	3	35.5	1985	34	1972	5	19	1972	6.3	3.1	1.2	.5	.1	19.3	15.5	12.6	6.8
Apr	3.8	2.0	#	1	9.2	1993	15	19.2	1993	11+	1975	2	2+	1975	2.5	1.1	.4	.2	.0	2.7	1.3	.7	.1
May	.1	.0	#	0	1.3	1996	5	1.3	1996	#+	1996	1	#	2000	.1	.1	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	0	0	#	1995	22	#+	1995	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	1.0	.0	#	0	9.8	1990	10	10.8	1990	3	1990	11	#	1992	.7	.3	.1	@	.0	.2	@	.0	.0
Nov	6.8	5.4	1	1	11.7	1991	23	22.6	1991	12+	1991	27	3	1991	5.6	2.0	.7	.3	@	6.4	2.7	1.3	.3
Dec	13.5	11.3	5	4	11.2	1990	17	36.8	1972	18	1990	18	13	1985	9.2	4.1	1.4	.5	.1	26.3	20.7	13.9	4.2
Ann	57.1	48.3	N/A	N/A	11.7	Nov 1991	23	36.8	Dec 1972	34+	Mar 1972	5	26	Feb 1971	40.7	17.9	5.6	2.3	.2	112.4	92.9	74.7	37.4

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: WAUSAU AP, WI

COOP ID: 478968

Climate Division: WI 2

NWS Call Sign: AUW

Elevation: 1,196 Feet

Lat: 44°56N

Lon: 89°38W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/05	5/30	5/26	5/22	5/19	5/15	5/12	5/07	5/01
32	5/20	5/15	5/11	5/08	5/06	5/03	4/30	4/26	4/22
28	5/07	5/01	4/28	4/24	4/21	4/18	4/15	4/11	4/06
24	4/24	4/19	4/16	4/14	4/11	4/09	4/06	4/03	3/30
20	4/17	4/13	4/10	4/07	4/04	4/02	3/30	3/27	3/22
16	4/10	4/05	4/02	3/30	3/27	3/24	3/21	3/18	3/13
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/13	9/17	9/19	9/21	9/23	9/25	9/27	9/29	10/03
32	9/21	9/25	9/28	9/30	10/02	10/04	10/07	10/09	10/13
28	9/26	10/02	10/07	10/10	10/14	10/17	10/21	10/26	11/01
24	10/14	10/19	10/23	10/26	10/29	10/31	11/03	11/07	11/12
20	10/24	10/28	10/31	11/03	11/05	11/07	11/10	11/13	11/17
16	10/29	11/03	11/07	11/10	11/13	11/16	11/20	11/23	11/29
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	145	139	134	130	126	123	119	114	108
32	167	161	156	152	149	145	142	137	131
28	200	191	185	180	175	170	165	158	150
24	220	213	208	204	200	195	191	186	179
20	231	225	221	217	214	211	207	203	197
16	253	245	240	235	230	226	221	215	207

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: WAUSAU AP, WI

COOP ID: 478968

Climate Division: WI 2 NWS Call Sign: AUW Elevation: 1,196 Feet Lat: 44°56N Lon: 89°38W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1612	1288	1081	631	293	80	22	42	214	558	980	1436	8237
60	1457	1148	926	485	188	27	5	9	110	409	830	1281	6875
57	1364	1064	833	402	137	12	0	2	66	325	740	1188	6133
55	1302	1008	771	349	108	7	0	1	45	274	680	1126	5671
50	1147	868	620	231	53	1	0	0	12	163	534	971	4600
32	607	399	184	15	0	0	0	0	0	5	131	460	1801

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	19	35	126	375	770	1002	1179	1112	797	470	141	47	6073
55	0	0	0	19	165	319	466	399	152	26	0	0	1546
57	0	0	0	12	132	265	404	339	114	16	0	0	1282
60	0	0	0	6	90	190	316	253	67	6	0	0	928
65	0	0	0	1	40	92	179	130	21	1	0	0	464
70	0	0	0	0	15	30	82	50	4	0	0	0	181

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	1	27	189	525	765	933	865	557	244	35	2	0	1	28	217	742	1507	2440	3305	3862	4106	4141	4143
45	0	1	11	107	376	615	778	710	410	142	13	1	0	1	12	119	495	1110	1888	2598	3008	3150	3163	3164
50	0	0	3	55	245	465	623	555	273	67	2	0	0	0	3	58	303	768	1391	1946	2219	2286	2288	2288
55	0	0	0	23	144	318	468	400	159	22	0	0	0	0	0	23	167	485	953	1353	1512	1534	1534	1534
60	0	0	0	9	71	193	314	253	82	4	0	0	0	0	0	9	80	273	587	840	922	926	926	926
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	22	120	317	478	614	555	323	131	19	0	0	1	23	143	460	938	1552	2107	2430	2561	2580	2580

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: WEST ALLIS, WI

COOP ID: 479046

Climate Division: WI 9

NWS Call Sign:

Elevation: 723 Feet Lat: 43°01N Lon: 88°00W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	27.1	12.7	19.9	57+	1973	26	31.5	1990	-26	1985	20	6.9	1977	1399	0	.0	.0	.5	19.5	29.0	5.5
Feb	31.8	17.5	24.7	67	1999	12	36.4	1998	-14+	1979	5	14.5	1979	1130	0	.0	.0	1.5	13.5	24.6	2.4
Mar	41.9	27.1	34.5	82	1986	31	42.8	2000	-12	1962	1	28.1	1972	945	0	.0	.0	7.8	4.6	21.4	.1
Apr	54.0	38.2	46.1	92	1980	22	52.8	1985	13	1954	3	39.5	1975	568	1	.0	@	19.5	.2	6.3	.0
May	67.2	49.9	58.6	95	1975	19	65.5	1977	26	1966	9	52.4	1997	248	48	.0	.5	30.0	.0	.1	.0
Jun	77.2	59.3	68.3	102	1953	20	72.9	1988	39+	1971	9	62.8	1982	44	142	@	3.2	30.0	.0	.0	.0
Jul	81.9	65.6	73.8	102	1965	13	78.6	1983	38	1968	10	69.1	1992	5	275	.2	4.7	31.0	.0	.0	.0
Aug	80.0	64.0	72.0	101	1983	19	77.5	1995	44	1965	28	68.4	1992	15	233	.2	3.4	31.0	.0	.0	.0
Sep	73.0	54.9	64.0	99	1964	3	69.1	1998	32	2001	25	59.0	1993	92	60	.0	1.0	30.0	.0	@	.0
Oct	60.9	43.7	52.3	91	1964	2	58.9	1971	20	1962	26	47.0	1987	399	5	.0	.0	27.2	.0	2.1	.0
Nov	45.9	31.0	38.5	75+	1999	10	44.9	1999	-6	1976	29	30.4	1976	795	0	.0	.0	10.7	2.5	15.4	@
Dec	32.9	19.3	26.1	70	2001	6	33.4	1982	-21	1983	24	14.9	1983	1207	0	.0	.0	1.5	13.2	26.9	2.9
Ann	56.2	40.3	48.2	102+	Jul 1965	13	78.6	Jul 1983	-26	Jan 1985	20	6.9	Jan 1977	6847	764	.4	12.8	220.7	53.5	125.8	10.9

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1951-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: WEST ALLIS, WI

COOP ID: 479046

Climate Division: WI 9

NWS Call Sign:

Elevation: 723 Feet

Lat: 43°01N

Lon: 88°00W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.30	1.38	1.58	1960	12	2.71	1999	.16	1981	10.7	4.4	.6	.1	.38	.51	.69	.85	1.01	1.17	1.35	1.56	1.83	2.26	2.66
Feb	1.35	1.14	3.08	1986	5	6.09	1986	.11	1995	8.8	3.8	.7	.1	.20	.31	.50	.69	.88	1.10	1.34	1.64	2.05	2.71	3.35
Mar	2.22	1.90	1.83	1976	4	5.07	1976	.32	1981	11.1	5.1	1.5	.2	.56	.77	1.09	1.38	1.66	1.95	2.29	2.68	3.19	4.00	4.76
Apr	3.86	3.95	3.52	1973	21	7.63	1993	1.27	1989	12.4	7.1	2.5	.8	1.52	1.88	2.39	2.81	3.20	3.61	4.04	4.55	5.19	6.17	7.07
May	3.08	3.17	2.26	1978	13	8.46	2000	.47	1977	11.1	6.6	1.8	.6	.87	1.16	1.60	1.99	2.37	2.76	3.19	3.71	4.37	5.42	6.39
Jun	3.61	3.76	2.75	1954	3	8.08	1993	.87	1988	11.2	6.6	2.5	1.0	.99	1.33	1.85	2.31	2.75	3.22	3.74	4.35	5.14	6.39	7.56
Jul	3.58	3.34	3.44	1999	21	8.21	1999	1.49	1998	10.4	6.1	2.4	.8	1.30	1.64	2.12	2.53	2.91	3.31	3.74	4.24	4.88	5.87	6.77
Aug	3.93	3.57	3.40	1983	17	7.10	1995	1.18	1973	10.9	7.1	2.4	1.0	1.52	1.88	2.41	2.84	3.25	3.67	4.12	4.64	5.31	6.33	7.26
Sep	3.52	2.96	3.10	2000	12	9.05	1986	.04	1979	10.0	5.9	2.5	1.1	.45	.73	1.23	1.72	2.24	2.81	3.48	4.30	5.41	7.23	8.99
Oct	2.61	2.59	2.80	1965	21	5.44	1984	.84	2000	10.1	5.2	1.6	.4	.83	1.08	1.45	1.76	2.06	2.38	2.72	3.12	3.64	4.44	5.19
Nov	2.78	2.40	1.95	1985	1	6.39	1985	.55	1976	11.0	6.0	1.7	.5	.76	1.03	1.43	1.78	2.12	2.48	2.88	3.35	3.96	4.92	5.82
Dec	2.02	1.81	2.56	1982	2	4.64	1971	.25	1976	11.2	4.7	1.0	.3	.45	.63	.93	1.20	1.46	1.75	2.07	2.45	2.95	3.75	4.51
Ann	33.86	33.19	3.52	Apr 1973	21	9.05	Sep 1986	.04	Sep 1979	128.9	68.6	21.2	6.9	26.01	27.58	29.56	31.04	32.35	33.60	34.89	36.30	38.00	40.44	42.54

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1951-2001

(3) Derived from 1971-2000 serially complete daily data

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Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
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Station: WEST ALLIS, WI

COOP ID: 479046

Climate Division: WI 9

NWS Call Sign:

Elevation: 723 Feet

Lat: 43°01N

Lon: 88°00W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	8.1	9.4	6	4	13.5	1982	4	13.5	2000	35	1979	24	25	1979	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9
Feb	6.0	5.6	5	3	5.2	1974	5	12.7	2000	31	1979	13	25	1979	4.2	2.2	.6	.1	.0	-9.9	-9.9	-9.9	-9.9
Mar	6.4	4.5	1	1	6.2	1971	18	16.3	1999	10+	1999	10	4	1979	2.9	1.6	.7	.2	.0	-9.9	-9.9	-9.9	-9.9
Apr	1.9	.0	#	#	9.5	1973	9	12.4	1973	12	1973	11	2	1973	.5	.3	.2	.2	.0	.9	.7	.5	.2
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.0	.0	#	0	.8	2000	8	.8	2000	#	2000	8	#	2000	.1	.0	.0	.0	.0	.0	.0	.0	.0
Nov	1.5	1.3	#	#	4.0	1978	28	4.5	1976	10	1977	28	1	1977	1.5	.7	.1	.0	.0	1.0	.2	.0	.0
Dec	6.7	6.2	2	1	6.0	1984	26	16.0	1973	13	1978	31	5	1977	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9
Ann	30.6	27.0	N/A	N/A	13.5	Jan 1982	4	16.3	Mar 1999	35	Jan 1979	24	25+	Feb 1979	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

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**Climatography
of the United States
No. 20
1971-2000**

Station: WEST ALLIS, WI

COOP ID: 479046

Climate Division: WI 9

NWS Call Sign:

Elevation: 723 Feet

Lat: 43°01N

Lon: 88°00W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/14	5/09	5/06	5/03	5/01	4/28	4/25	4/22	4/18
32	5/01	4/27	4/24	4/21	4/19	4/16	4/13	4/10	4/06
28	4/21	4/17	4/14	4/11	4/09	4/06	4/04	4/01	3/27
24	4/13	4/08	4/05	4/03	3/31	3/29	3/26	3/23	3/19
20	4/07	4/02	3/28	3/25	3/22	3/18	3/15	3/11	3/05
16	3/30	3/23	3/19	3/15	3/11	3/08	3/04	2/27	2/21
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/25	9/29	10/03	10/05	10/08	10/10	10/13	10/16	10/21
32	10/06	10/12	10/16	10/20	10/23	10/27	10/30	11/04	11/09
28	10/21	10/26	10/29	10/31	11/03	11/05	11/08	11/11	11/16
24	10/27	10/31	11/04	11/07	11/09	11/12	11/15	11/18	11/23
20	11/04	11/10	11/14	11/18	11/21	11/24	11/28	12/02	12/08
16	11/13	11/19	11/24	11/27	12/01	12/04	12/08	12/12	12/18
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	176	170	166	163	159	156	153	149	143
32	208	201	196	191	187	183	178	173	166
28	223	218	214	211	208	204	201	197	192
24	242	235	230	226	222	219	214	210	203
20	269	261	254	249	244	239	233	227	218
16	290	281	274	269	264	258	253	246	237

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: WEST ALLIS, WI

COOP ID: 479046

Climate Division: WI 9 NWS Call Sign: Elevation: 723 Feet Lat: 43°01N Lon: 88°00W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1399	1130	945	568	248	44	5	15	92	399	795	1207	6847
60	1244	990	790	423	150	12	0	2	31	262	645	1052	5601
57	1151	906	697	341	104	5	0	0	12	192	557	959	4924
55	1089	850	635	290	78	2	0	0	6	152	498	897	4497
50	934	710	488	177	34	0	0	0	1	75	362	749	3530
32	429	276	98	5	0	0	0	0	0	0	52	291	1151

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	53	70	177	428	823	1088	1293	1241	958	630	247	107	7115
55	0	0	0	22	188	400	580	528	273	68	3	0	2062
57	0	0	0	14	152	343	518	466	220	46	1	0	1760
60	0	0	0	6	105	260	425	374	148	23	0	0	1341
65	0	0	0	1	48	142	275	233	60	5	0	0	764
70	0	0	0	0	17	59	143	120	15	0	0	0	354

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	9	70	242	576	851	1003	1000	731	401	102	9	0	9	79	321	897	1748	2751	3751	4482	4883	4985	4994
45	0	1	34	142	426	701	848	845	581	265	50	3	0	1	35	177	603	1304	2152	2997	3578	3843	3893	3896
50	0	0	14	74	289	551	693	690	433	153	20	0	0	0	14	88	377	928	1621	2311	2744	2897	2917	2917
55	0	0	6	36	177	402	538	535	292	76	3	0	0	0	6	42	219	621	1159	1694	1986	2062	2065	2065
60	0	0	1	16	96	264	383	381	172	30	0	0	0	0	1	17	113	377	760	1141	1313	1343	1343	1343
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	37	126	329	543	670	680	446	204	43	3	0	1	38	164	493	1036	1706	2386	2832	3036	3079	3082

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: WEST BEND, WI

COOP ID: 479050

Climate Division: WI 9

NWS Call Sign:

Elevation: 940 Feet Lat: 43°22N Lon: 88°05W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	26.1	10.7	18.4	60	1944	26	28.7	1990	-30+	1982	17	5.8	1977	1444	0	.0	.0	.2	21.1	30.2	8.3
Feb	31.0	15.7	23.4	65	2000	26	33.2	1998	-28	1933	9	13.0	1979	1165	0	.0	.0	1.1	14.9	26.7	4.4
Mar	41.5	25.1	33.3	91	1946	21	40.2	1973	-18	1962	1	27.6	1975	982	0	.0	.0	6.7	6.0	25.6	.6
Apr	54.6	35.4	45.0	88+	1980	22	51.3	1985	2	1982	7	39.3	1975	601	0	.0	.0	19.5	.5	12.3	.0
May	67.8	45.2	56.5	100	1934	31	64.4	1977	20	1935	4	50.7	1997	293	30	.0	.2	30.1	.0	2.3	.0
Jun	77.2	54.4	65.8	103	1934	1	69.8	1971	30	1945	4	60.7	1982	69	93	@	1.8	30.0	.0	.0	.0
Jul	81.3	59.9	70.6	107	1936	14	75.7	1983	37+	2001	2	66.6	2000	14	188	.1	3.7	31.0	.0	.0	.0
Aug	78.8	58.4	68.6	105	1988	16	75.9	1995	37+	1965	28	64.0	1992	45	157	.1	1.9	31.0	.0	.0	.0
Sep	71.3	50.5	60.9	98+	1939	15	65.6	1998	25	1984	30	55.4	1993	155	31	.0	.5	29.9	.0	.8	.0
Oct	59.3	40.1	49.7	88	1963	6	58.4	1971	2	1925	30	43.8	1988	478	3	.0	.0	26.0	.0	6.9	.0
Nov	43.9	28.9	36.4	77	1933	1	43.0	1975	-10	1958	30	29.3	1995	858	0	.0	.0	9.0	4.0	20.6	.2
Dec	31.2	17.1	24.2	64+	1998	4	32.6	1982	-24	1983	24	13.0	2000	1267	0	.0	.0	1.2	15.1	29.0	3.9
Ann	55.3	36.8	46.1	107	Jul 1936	14	75.9	Aug 1995	-30+	Jan 1982	17	5.8	Jan 1977	7371	502	.2	8.1	215.7	61.6	154.4	17.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1924-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: WEST BEND, WI

COOP ID: 479050

Climate Division: WI 9

NWS Call Sign:

Elevation: 940 Feet Lat: 43°22N

Lon: 88°05W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.49	1.39	2.35	1938	24	3.80	1979	.09	1981	9.1	4.6	.6	.1	.29	.42	.64	.84	1.04	1.26	1.51	1.81	2.21	2.85	3.46
Feb	1.12	1.07	1.52	1937	21	3.06	1971	.00	1987	6.5	3.3	.4	.1	.11	.23	.42	.58	.75	.93	1.14	1.39	1.72	2.25	2.77
Mar	1.99	1.77	2.55	1998	31	5.52	1976	.30	1978	8.6	5.6	1.1	.1	.40	.59	.88	1.14	1.41	1.70	2.03	2.42	2.94	3.77	4.55
Apr	3.11	3.19	2.42	1955	24	5.46	1993	.94	1989	10.6	6.8	2.2	.6	1.56	1.82	2.18	2.46	2.73	2.99	3.27	3.58	3.98	4.57	5.10
May	2.99	2.78	3.10	1974	16	6.55	1973	.39	1988	9.8	6.2	1.9	.5	.81	1.09	1.52	1.90	2.27	2.66	3.09	3.60	4.27	5.31	6.29
Jun	3.82	3.59	3.78	1940	22	11.15	1996	1.19	1995	10.3	7.0	2.5	.9	1.19	1.56	2.10	2.56	3.01	3.47	3.98	4.58	5.35	6.55	7.66
Jul	3.99	3.81	6.57	1964	18	9.37	1999	1.07	1971	10.3	6.8	2.8	.9	1.35	1.73	2.28	2.74	3.19	3.66	4.16	4.75	5.51	6.68	7.76
Aug	4.09	3.33	7.58	1924	4	7.93	1995	1.29	1976	10.2	7.5	2.6	1.2	1.77	2.14	2.65	3.07	3.46	3.86	4.29	4.78	5.39	6.33	7.18
Sep	3.47	3.26	2.89	1961	13	10.19	1986	.24	1979	9.7	6.1	2.3	1.0	.64	.95	1.46	1.93	2.41	2.93	3.52	4.23	5.17	6.69	8.14
Oct	2.55	2.16	3.10	1954	3	5.76	1985	.36	1975	9.2	6.2	1.6	.4	.62	.86	1.23	1.56	1.89	2.24	2.62	3.09	3.69	4.65	5.56
Nov	2.52	2.51	2.17	1928	17	6.77	1985	.20	1976	9.8	5.9	1.7	.3	.49	.71	1.08	1.42	1.77	2.14	2.56	3.07	3.74	4.82	5.85
Dec	1.71	1.82	2.20	1942	27	3.86	1971	.06	1995	8.3	4.7	1.0	.2	.28	.43	.68	.92	1.16	1.42	1.72	2.08	2.57	3.35	4.11
Ann	32.85	34.39	7.58	Aug 1924	4	11.15	Jun 1996	.00	Feb 1987	112.4	70.7	20.7	6.3	25.30	26.80	28.71	30.14	31.39	32.60	33.84	35.20	36.83	39.18	41.20

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1924-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: WEST BEND, WI

COOP ID: 479050

Climate Division: WI 9

NWS Call Sign:

Elevation: 940 Feet

Lat: 43°22N

Lon: 88°05W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	13.3	11.3	6	5	15.0	1979	13	39.5	1979	33	1979	26	24	1979	5.8	5.6	1.9	.6	.1	23.6	16.4	13.2	5.3
Feb	9.6	10.0	6	4	14.0	1976	21	18.5	1976	29	1979	12	26	1979	3.8	3.8	1.1	.5	.1	21.4	15.9	11.7	3.8
Mar	7.9	9.0	2	1	9.5	1971	19	25.0	1972	18	1979	1	7	1979	2.6	2.6	.9	.5	.0	10.7	7.2	4.7	1.0
Apr	3.5	3.0	#	#	13.0	1973	9	14.0	1973	12	1973	9	2	1973	1.0	1.0	.4	.2	@	1.4	.9	.4	.1
May	.1	.0	#	0	3.5	1990	10	3.5	1990	#	1973	14	#	1973	@	@	@	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.2	.0	#	0	2.0	1992	20	2.0	1992	#+	1997	27	#+	1997	.2	.1	.0	.0	.0	.0	.0	.0	.0
Nov	4.0	3.0	#	#	7.5	1995	27	14.2	1995	7	1995	30	3	1995	2.0	1.8	.5	.1	.0	3.3	1.7	.7	.0
Dec	11.0	9.4	3	2	11.0	1971	30	26.6	1978	19	2000	31	11	2000	5.0	4.5	1.4	.5	.1	16.6	10.0	5.3	.8
Ann	49.6	45.7	N/A	N/A	15.0	Jan 1979	13	39.5	Jan 1979	33	Jan 1979	26	26	Feb 1979	20.4	19.4	6.2	2.4	.3	77.0	52.1	36.0	11.0

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: WEST BEND, WI

COOP ID: 479050

Climate Division: WI 9

NWS Call Sign:

Elevation: 940 Feet

Lat: 43°22N

Lon: 88°05W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/11	6/05	6/01	5/28	5/25	5/22	5/18	5/14	5/08
32	5/24	5/19	5/15	5/12	5/09	5/06	5/03	4/29	4/24
28	5/12	5/06	5/02	4/29	4/26	4/22	4/19	4/15	4/09
24	4/27	4/22	4/18	4/15	4/12	4/08	4/05	4/01	3/27
20	4/12	4/08	4/05	4/03	3/31	3/29	3/26	3/23	3/19
16	4/05	3/31	3/28	3/25	3/22	3/20	3/17	3/13	3/09
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/11	9/15	9/19	9/22	9/24	9/27	9/30	10/03	10/08
32	9/19	9/24	9/28	10/01	10/04	10/07	10/10	10/14	10/19
28	9/27	10/03	10/08	10/12	10/16	10/19	10/23	10/28	11/04
24	10/17	10/22	10/25	10/28	10/31	11/03	11/06	11/09	11/14
20	10/22	10/28	10/31	11/03	11/06	11/09	11/13	11/16	11/21
16	11/06	11/10	11/13	11/16	11/19	11/21	11/24	11/27	12/01
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	145	137	131	126	122	117	112	106	98
32	166	160	155	151	147	143	139	135	128
28	198	189	183	177	172	167	161	155	146
24	222	215	210	206	202	198	194	189	182
20	238	232	227	223	219	216	212	207	200
16	260	253	249	244	241	237	233	228	221

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography
of the United States
No. 20
1971-2000

Station: WEST BEND, WI

COOP ID: 479050

Climate Division: WI 9 NWS Call Sign: Elevation: 940 Feet Lat: 43°22N Lon: 88°05W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1444	1165	982	601	293	69	14	45	155	478	858	1267	7371
60	1289	1025	827	455	183	22	0	12	66	335	708	1112	6034
57	1196	941	734	370	131	9	0	4	34	258	618	1019	5314
55	1134	885	672	316	101	5	0	1	20	212	559	957	4862
50	979	745	520	197	46	1	0	0	4	118	415	802	3827
32	463	297	107	5	0	0	0	0	0	2	64	323	1261

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	42	56	148	395	759	1014	1197	1135	867	550	196	79	6438
55	0	0	0	15	147	329	484	423	197	47	1	0	1643
57	0	0	0	9	115	273	422	365	151	31	0	0	1366
60	0	0	0	4	74	196	329	279	93	15	0	0	990
65	0	0	0	0	30	93	188	157	31	3	0	0	502
70	0	0	0	0	9	29	83	73	6	0	0	0	200

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	4	48	194	510	771	949	886	626	312	67	5	0	4	52	246	756	1527	2476	3362	3988	4300	4367	4372
45	0	0	21	109	363	621	794	731	476	192	30	1	0	0	21	130	493	1114	1908	2639	3115	3307	3337	3338
50	0	0	10	53	230	471	639	576	334	101	9	0	0	0	10	63	293	764	1403	1979	2313	2414	2423	2423
55	0	0	3	24	134	329	484	421	208	47	1	0	0	0	3	27	161	490	974	1395	1603	1650	1651	1651
60	0	0	0	11	66	201	330	272	114	17	0	0	0	0	0	11	77	278	608	880	994	1011	1011	1011
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	33	120	310	488	629	576	380	175	32	2	0	1	34	154	464	952	1581	2157	2537	2712	2744	2746

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: WEYERHAUSER, WI

COOP ID: 479144

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,195 Feet Lat: 45°25N

Lon: 91°25W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	20.6	.0	10.3	51	1981	25	22.2	1990	-39+	1996	31	.0	1977	1697	0	.0	.0	@	24.9	30.9	15.6
Feb	27.6	6.1	16.9	60	2000	29	31.4	1998	-39	1996	3	7.8	1989	1348	0	.0	.0	.6	16.5	27.8	9.7
Mar	39.3	18.2	28.8	81	1986	31	38.5	2000	-35	1962	1	21.5	1975	1124	0	.0	.0	6.8	6.7	28.1	3.5
Apr	55.5	30.4	43.0	88	1980	22	50.6	1977	1	1954	3	36.5	1975	661	0	.0	.0	21.5	.6	17.9	.0
May	69.0	41.8	55.4	92+	1975	22	63.6	1977	15	1967	3	49.2	1983	320	24	.0	.1	30.5	.0	5.4	.0
Jun	76.2	50.3	63.3	96	1986	19	68.3	1995	22	1986	2	57.1	1982	119	66	.0	1.2	30.0	.0	.5	.0
Jul	80.5	55.5	68.0	100+	1988	28	72.4	1988	36	1967	5	63.0	1992	41	134	.1	3.0	31.0	.0	.0	.0
Aug	78.5	53.6	66.1	100+	1988	17	71.3	1995	25	1986	28	60.7	1985	66	99	.1	1.5	31.0	.0	.1	.0
Sep	69.5	44.7	57.1	96	1976	7	63.6	1998	20	1984	30	51.8	1993	253	16	.0	.2	29.6	.0	2.8	.0
Oct	57.2	33.5	45.4	87	1976	1	52.7	1971	8	1988	30	39.5	1980	609	0	.0	.0	24.3	.1	14.7	.0
Nov	38.8	21.4	30.1	71	1999	9	39.0	1999	-22	1985	29	22.0	1985	1047	0	.0	.0	6.0	8.3	26.5	1.6
Dec	24.6	6.3	15.5	58+	1998	3	25.8	1997	-32+	1986	13	2.9	1985	1535	0	.0	.0	.3	22.0	30.7	10.3
Ann	53.1	30.2	41.7	100+	Aug 1988	17	72.4	Jul 1988	-39+	Feb 1996	3	.0	Jan 1977	8820	339	.2	6.0	211.6	79.1	185.4	40.7

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: WEYERHAUSER, WI

COOP ID: 479144

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,195 Feet Lat: 45°25N

Lon: 91°25W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.16	.97	1.76	1996	18	3.78	1980	.05	1981	7.5	3.7	.4	.1	.17	.27	.43	.60	.76	.95	1.16	1.42	1.77	2.33	2.88
Feb	.93	.81	1.57	1998	27	2.77	1998	.03	1997	5.6	2.8	.4	.1	.10	.17	.30	.43	.57	.73	.91	1.13	1.44	1.95	2.45
Mar	2.04	1.85	2.26	1998	28	5.75	1977	.21	1978	7.5	4.7	1.2	.3	.43	.62	.92	1.19	1.47	1.76	2.09	2.48	3.00	3.83	4.62
Apr	2.51	2.55	3.20	1954	26	5.28	1975	.10	1987	9.4	6.6	1.8	.4	.65	.89	1.25	1.58	1.89	2.22	2.60	3.03	3.61	4.51	5.36
May	3.62	3.37	3.10	1953	21	8.40	1991	.87	1988	10.8	7.5	2.6	.7	1.25	1.59	2.09	2.51	2.91	3.33	3.78	4.31	4.99	6.04	7.00
Jun	4.18	4.04	3.63	1951	24	7.81	1979	1.69	1988	11.1	7.8	2.7	.9	1.78	2.16	2.69	3.13	3.53	3.94	4.38	4.89	5.53	6.51	7.39
Jul	4.49	3.62	4.39	2000	9	9.64	1987	.97	1988	10.4	7.4	3.1	1.2	1.32	1.74	2.38	2.94	3.48	4.04	4.66	5.39	6.34	7.81	9.19
Aug	4.51	4.11	5.90	1990	18	9.96	1995	1.40	1976	9.9	7.9	2.9	1.1	1.71	2.13	2.73	3.23	3.71	4.20	4.72	5.34	6.11	7.31	8.41
Sep	4.16	3.93	2.70	1951	12	9.32	1985	1.24	1976	10.3	7.5	3.2	1.2	1.37	1.77	2.34	2.84	3.31	3.80	4.34	4.96	5.77	7.02	8.17
Oct	2.71	2.83	2.95	1985	4	5.27	1995	.50	1978	8.5	5.8	1.7	.5	.75	1.01	1.40	1.74	2.07	2.42	2.80	3.26	3.85	4.78	5.64
Nov	2.12	1.96	2.86	1991	1	7.03	1991	.00	1976	8.0	4.9	1.4	.3	.29	.57	.93	1.23	1.52	1.84	2.19	2.61	3.16	4.04	4.86
Dec	1.10	1.08	2.30	1965	12	3.16	1972	.22	1997	7.3	3.9	.5	@	.19	.29	.45	.60	.75	.92	1.11	1.34	1.64	2.13	2.60
Ann	33.53	34.06	5.90	Aug 1990	18	9.96	Aug 1995	.00	Nov 1976	106.3	70.5	21.9	6.8	23.55	25.47	27.94	29.82	31.49	33.10	34.78	36.62	38.87	42.13	44.96

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: WEYERHAUSER, WI

COOP ID: 479144

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,195 Feet

Lat: 45°25N

Lon: 91°25W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	12.4	11.0	10	11	9.0	1982	22	22.0+	1998	27	1982	31	18	1972	7.2	5.1	1.5	.6	.0	30.3	28.1	25.6	15.0
Feb	7.6	6.0	12	10	8.0	1973	1	18.7	1971	32+	1979	21	28	1972	4.1	3.0	.8	.2	.0	25.7	23.4	20.6	11.8
Mar	9.3	6.5	6	5	12.0	1985	4	36.5	1985	37	1972	6	20	1972	3.4	2.6	1.3	.6	.1	16.7	13.6	11.2	7.3
Apr	1.9	2.0	#	#	4.0	1972	22	5.2	1972	11	1996	1	3	1996	1.0	.8	.3	.0	.0	1.5	.8	.5	.0
May	#	.0	0	0	#	1989	6	#+	1989	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.5	.0	#	0	4.0	1986	14	4.0+	1992	2	1987	22	#+	1993	.2	.2	.1	.0	.0	.1	.0	.0	.0
Nov	6.7	4.0	1	1	9.0	1978	17	22.5	1985	13	1985	30	6	1991	3.1	2.4	1.1	.4	.0	7.0	4.2	2.9	.2
Dec	9.0	8.0	5	3	10.0	1985	1	21.5+	1996	21	1985	1	16	1985	5.8	3.9	1.2	.2	@	23.6	18.5	12.6	4.4
Ann	47.4	37.5	N/A	N/A	12.0	Mar 1985	4	36.5	Mar 1985	37	Mar 1972	6	28	Feb 1972	24.8	18.0	6.3	2.0	.1	104.9	88.6	73.4	38.7

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: WEYERHAUSER, WI

COOP ID: 479144

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,195 Feet

Lat: 45°25N

Lon: 91°25W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/20	6/14	6/10	6/06	6/02	5/30	5/26	5/22	5/16
32	6/14	6/07	6/02	5/29	5/25	5/21	5/17	5/12	5/05
28	6/01	5/24	5/19	5/14	5/10	5/05	5/01	4/25	4/18
24	5/10	5/04	4/29	4/25	4/22	4/18	4/14	4/10	4/03
20	4/29	4/24	4/20	4/16	4/13	4/10	4/06	4/02	3/27
16	4/16	4/12	4/09	4/06	4/04	4/01	3/30	3/27	3/22
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/24	8/29	9/02	9/06	9/09	9/12	9/15	9/19	9/25
32	9/09	9/13	9/16	9/18	9/21	9/23	9/26	9/29	10/03
28	9/15	9/20	9/24	9/27	9/30	10/03	10/06	10/10	10/15
24	9/22	9/29	10/04	10/08	10/12	10/16	10/20	10/24	10/31
20	10/02	10/08	10/13	10/16	10/20	10/24	10/27	11/01	11/07
16	10/15	10/21	10/26	10/30	11/02	11/06	11/10	11/14	11/20
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	125	116	109	103	98	92	86	80	70
32	143	135	128	123	118	113	108	101	93
28	175	164	156	149	143	137	130	122	111
24	205	194	186	179	172	166	159	150	139
20	216	207	200	195	189	184	179	172	163
16	237	228	222	217	212	207	201	195	187

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: WEYERHAUSER, WI

COOP ID: 479144

Climate Division: WI 1 NWS Call Sign: Elevation: 1,195 Feet Lat: 45°25N Lon: 91°25W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1697	1348	1124	661	320	119	41	66	253	609	1047	1535	8820
60	1542	1208	969	514	205	50	9	18	142	458	897	1380	7392
57	1449	1124	876	428	148	25	2	6	91	372	807	1287	6615
55	1387	1068	814	374	116	15	0	3	65	318	747	1225	6132
50	1232	928	660	250	55	3	0	0	22	199	599	1070	5018
32	686	454	204	17	0	0	0	0	0	9	172	546	2088

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	12	30	104	346	726	938	1116	1056	753	423	116	34	5654
55	0	0	0	13	130	262	403	345	127	18	0	0	1298
57	0	0	0	7	100	212	343	287	93	11	0	0	1053
60	0	0	0	3	63	147	257	206	54	4	0	0	734
65	0	0	0	0	24	66	134	99	16	0	0	0	339
70	0	0	0	0	7	20	53	33	3	0	0	0	116

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	1	26	183	510	725	889	818	526	225	26	1	0	1	27	210	720	1445	2334	3152	3678	3903	3929	3930
45	0	1	8	99	362	575	734	663	381	125	8	0	0	1	9	108	470	1045	1779	2442	2823	2948	2956	2956
50	0	0	2	45	229	427	579	508	250	56	1	0	0	0	2	47	276	703	1282	1790	2040	2096	2097	2097
55	0	0	0	19	124	285	424	356	138	24	0	0	0	0	0	19	143	428	852	1208	1346	1370	1370	1370
60	0	0	0	5	57	161	275	214	65	4	0	0	0	0	0	5	62	223	498	712	777	781	781	781
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	22	144	334	463	581	528	332	149	18	0	0	1	23	167	501	964	1545	2073	2405	2554	2572	2572

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: WHITEWATER, WI

COOP ID: 479190

Climate Division: WI 9

NWS Call Sign:

Elevation: 875 Feet Lat: 42°51N Lon: 88°44W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max ≥ 100	Max ≥ 90	Max ≥ 50	Max ≤ 32	Min ≤ 32	Min ≤ 0
Jan	25.1	7.9	16.5	60	1950	25	28.7	1990	-37	1951	30	3.1	1977	1504	0	.0	.0	.7	20.6	30.3	9.4
Feb	30.2	12.8	21.5	66+	2000	26	34.6	1998	-27	1996	3	10.2	1979	1218	0	.0	.0	1.7	14.2	26.6	5.5
Mar	42.2	23.9	33.1	82	1986	30	41.7	2000	-20	1962	1	26.0	1975	991	0	.0	.0	9.0	4.7	24.2	.7
Apr	55.7	34.6	45.2	90	1980	22	51.0	1977	0	1982	7	38.8	1975	596	1	.0	@	22.0	.2	11.7	@
May	68.5	45.2	56.9	93+	1975	20	63.8	1977	17	1966	9	51.7	1997	281	29	.0	.5	30.4	.0	2.2	.0
Jun	78.3	54.9	66.6	100	1953	19	71.8	1987	30+	1998	8	61.3	1982	59	106	.0	2.8	30.0	.0	.1	.0
Jul	82.0	59.8	70.9	100+	1995	14	76.0	1999	40+	1965	6	66.0	1992	16	197	.1	5.3	31.0	.0	.0	.0
Aug	79.0	57.5	68.3	101	1953	31	75.3	1995	37+	1997	23	63.0	1992	50	152	@	2.6	31.0	.0	.0	.0
Sep	71.5	48.8	60.2	100+	1953	2	65.2	1998	26	1991	27	55.4	1974	174	28	.0	.9	29.9	.0	.7	.0
Oct	60.0	38.0	49.0	89+	1982	2	56.0	1971	13	1988	30	42.5	1976	499	2	.0	.0	26.9	.0	8.0	.0
Nov	43.6	26.5	35.1	78	1950	1	43.4	1999	-10	1950	25	26.7	1976	899	0	.0	.0	10.6	3.5	20.3	.3
Dec	30.6	14.6	22.6	66	2001	6	31.3	1998	-25	2000	25	9.7	1983	1314	0	.0	.0	1.7	14.4	29.0	4.5
Ann	55.6	35.4	45.5	101	Aug 1953	31	76.0	Jul 1999	-37	Jan 1951	30	3.1	Jan 1977	7601	515	.1	12.1	224.9	57.6	153.1	20.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

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Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: WHITEWATER, WI

COOP ID: 479190

Climate Division: WI 9

NWS Call Sign:

Elevation: 875 Feet

Lat: 42°51N

Lon: 88°44W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.25	1.22	1.67	1988	20	2.76	1974	.13	1981	8.6	3.6	.5	@	.24	.35	.54	.70	.88	1.06	1.27	1.52	1.85	2.38	2.89
Feb	1.13	1.02	1.69	2001	9	3.18	1986	.00	1987	6.7	3.2	.5	.2	.09	.21	.39	.56	.73	.92	1.13	1.40	1.75	2.33	2.88
Mar	2.02	1.93	1.82	1966	22	5.36	1976	.14	1996	9.0	5.0	1.3	.2	.35	.53	.82	1.10	1.38	1.69	2.04	2.47	3.04	3.95	4.83
Apr	3.40	3.10	2.86	1999	23	6.92	1981	1.02	1996	11.1	6.9	2.3	.6	1.15	1.47	1.94	2.34	2.72	3.12	3.55	4.05	4.70	5.70	6.62
May	3.18	3.08	2.75	1984	25	6.59	2000	.62	1988	11.7	7.2	2.1	.6	.85	1.15	1.61	2.01	2.41	2.83	3.29	3.84	4.56	5.68	6.73
Jun	3.78	3.78	4.12	1950	13	8.54	1993	.17	1987	10.0	6.3	2.8	.9	.84	1.19	1.74	2.24	2.75	3.28	3.88	4.59	5.54	7.04	8.46
Jul	3.94	3.23	4.10	1982	22	9.12	1982	1.43	1988	10.0	6.4	2.7	1.1	1.47	1.84	2.37	2.81	3.23	3.65	4.12	4.65	5.34	6.39	7.36
Aug	4.64	4.26	4.03	1998	6	8.92	1995	1.40	1973	10.6	6.8	3.1	1.4	1.64	2.08	2.71	3.25	3.75	4.28	4.85	5.51	6.36	7.67	8.87
Sep	3.37	3.53	4.12	1985	9	7.99	1986	.08	1979	9.2	5.8	2.1	1.0	.41	.68	1.15	1.62	2.12	2.67	3.32	4.11	5.19	6.97	8.69
Oct	2.59	2.29	4.00	1959	23	6.83	1984	.40	1975	9.6	5.3	1.7	.5	.53	.77	1.15	1.50	1.85	2.22	2.64	3.15	3.82	4.90	5.91
Nov	2.48	2.22	2.43	1984	1	6.50	1985	.39	1976	10.0	5.2	1.7	.4	.62	.86	1.22	1.54	1.85	2.19	2.56	3.00	3.58	4.49	5.34
Dec	1.56	1.60	1.90	1971	15	4.19	1971	.19	1975	8.9	4.2	.9	.2	.27	.41	.64	.85	1.07	1.31	1.58	1.91	2.34	3.05	3.72
Ann	33.34+	33.50+	4.12+	Sep 1985	9	9.12	Jul 1982	.00	Feb 1987	115.4	65.9	21.7	7.1	26.18	27.62	29.43	30.79	31.99	33.13	34.30	35.58	37.12	39.33	41.21

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

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Complete documentation available from:

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Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: WHITEWATER, WI

COOP ID: 479190

Climate Division: WI 9

NWS Call Sign:

Elevation: 875 Feet

Lat: 42°51N

Lon: 88°44W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	9.8	8.3	5	4	12.0	1979	13	31.5	1979	40	1979	24	26	1979	5.2	4.0	1.0	.5	@	20.7	15.9	13.0	3.4
Feb	7.3	7.5	5	3	11.0	1983	3	24.5	1994	33	1979	12	29	1979	3.1	2.3	.7	.2	@	17.0	12.8	8.5	2.8
Mar	4.9	4.0	1	1	9.0	1972	29	13.2	1972	18	1979	1	5	1979	1.8	1.5	.5	.2	.0	6.0	3.9	2.0	.2
Apr	1.2	#	#	#	10.0	1973	9	15.0	1973	13	1973	10	2	1973	.4	.3	.1	@	@	.8	.4	.1	.1
May	.1	.0	#	0	2.1	1994	1	2.1	1994	2	1994	1	#+	1994	@	@	.0	.0	.0	@	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	#	.0	#	0	#	1989	20	#+	1989	#+	1997	27	#+	1997	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	2.0	.4	#	#	9.0	1976	27	10.0	1977	10	1995	29	3	1995	1.0	.7	.2	.1	.0	1.3	.7	.3	.0
Dec	8.4	7.5	2	2	9.0	1994	7	19.5	1983	23	2000	30	11	2000	3.5	2.8	.9	.3	.0	12.6	8.2	3.9	.1
Ann	33.7	27.7	N/A	N/A	12.0	Jan 1979	13	31.5	Jan 1979	40	Jan 1979	24	29	Feb 1979	15.0	11.6	3.4	1.3	@	58.4	41.9	27.8	6.6

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: WHITEWATER, WI

COOP ID: 479190

Climate Division: WI 9

NWS Call Sign:

Elevation: 875 Feet

Lat: 42°51N

Lon: 88°44W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/07	6/01	5/28	5/24	5/20	5/17	5/13	5/09	5/03
32	5/25	5/20	5/16	5/13	5/10	5/07	5/04	4/30	4/25
28	5/10	5/05	5/01	4/28	4/25	4/22	4/19	4/15	4/10
24	4/25	4/21	4/18	4/15	4/13	4/10	4/07	4/04	3/31
20	4/17	4/12	4/08	4/05	4/02	3/30	3/27	3/23	3/18
16	4/07	4/01	3/28	3/25	3/22	3/18	3/15	3/11	3/05
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/10	9/14	9/16	9/19	9/21	9/23	9/26	9/28	10/02
32	9/21	9/25	9/29	10/01	10/04	10/07	10/09	10/13	10/17
28	9/25	10/01	10/06	10/10	10/13	10/17	10/21	10/26	11/01
24	10/13	10/18	10/22	10/25	10/28	10/31	11/03	11/07	11/12
20	10/23	10/28	11/01	11/04	11/07	11/10	11/13	11/17	11/22
16	11/02	11/08	11/12	11/15	11/19	11/22	11/26	11/30	12/05
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	142	136	131	127	123	119	115	110	103
32	165	159	154	150	146	143	139	134	128
28	194	186	180	175	171	166	161	155	147
24	215	209	205	201	198	194	191	187	181
20	240	233	227	223	218	214	209	204	196
16	267	258	252	246	241	236	231	224	215

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: WHITEWATER, WI

COOP ID: 479190

Climate Division: WI 9 NWS Call Sign: Elevation: 875 Feet Lat: 42°51N Lon: 88°44W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1504	1218	991	596	281	59	16	50	174	499	899	1314	7601
60	1349	1078	836	451	172	17	1	14	80	355	749	1159	6261
57	1256	994	743	368	120	7	0	5	44	276	659	1066	5538
55	1194	938	681	316	92	3	0	2	27	229	601	1004	5087
50	1039	798	535	200	40	0	0	0	5	131	460	849	4057
32	524	358	133	9	0	0	0	0	0	4	96	363	1487

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	42	64	165	403	771	1038	1205	1125	845	529	187	72	6446
55	0	0	0	20	150	351	492	414	181	42	2	0	1652
57	0	0	0	12	116	294	430	355	138	27	0	0	1372
60	0	0	0	5	75	215	337	271	85	13	0	0	1001
65	0	0	0	1	29	106	197	152	28	2	0	0	515
70	0	0	0	0	8	37	92	70	5	0	0	0	212

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	6	70	245	573	835	988	917	658	345	86	6	0	6	76	321	894	1729	2717	3634	4292	4637	4723	4729
45	0	0	36	145	422	685	833	762	509	219	39	3	0	0	36	181	603	1288	2121	2883	3392	3611	3650	3653
50	0	0	14	83	287	536	678	607	366	129	18	0	0	0	14	97	384	920	1598	2205	2571	2700	2718	2718
55	0	0	6	42	172	390	523	454	241	61	3	0	0	0	6	48	220	610	1133	1587	1828	1889	1892	1892
60	0	0	0	17	94	253	369	304	135	24	0	0	0	0	0	17	111	364	733	1037	1172	1196	1196	1196
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	3	46	157	357	545	659	609	412	210	47	4	0	3	49	206	563	1108	1767	2376	2788	2998	3045	3049

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: WILLOW RESERVOIR, WI

COOP ID: 479236

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,560 Feet Lat: 45°42N

Lon: 89°51W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	18.9	-2.7	8.1	51	1981	26	18.8	1990	-45+	1982	18	-3.3	1977	1765	0	.0	.0	.1	27.9	30.9	17.1
Feb	25.4	1.6	13.5	59	1976	25	28.7	1998	-43	1996	3	4.0	1979	1441	0	.0	.0	.5	19.9	27.9	13.5
Mar	35.5	13.3	24.4	71	2000	8	34.3	1973	-40	1962	1	16.5	1996	1258	0	.0	.0	3.2	11.4	29.4	6.5
Apr	49.7	27.4	38.6	88+	1952	29	45.3	1998	-14	1982	7	31.8	1982	793	0	.0	.0	15.5	1.7	22.1	.3
May	64.3	39.8	52.1	89+	1964	22	60.6	1977	15	1966	10	45.1	1983	419	17	.0	.0	28.4	.1	7.4	.0
Jun	72.1	49.7	60.9	96	1963	30	67.0	1995	23	1958	14	54.0	1982	162	39	.0	.3	29.9	.0	.5	.0
Jul	76.4	54.5	65.5	97+	1977	20	69.4	1999	30	1948	1	60.7	1992	64	78	.0	.8	31.0	.0	.0	.0
Aug	74.4	51.9	63.2	96	1948	24	68.3	1995	28	1965	29	58.2	1986	121	63	.0	.3	31.0	.0	.3	.0
Sep	65.2	43.5	54.4	93	1976	8	61.3	1998	18+	1984	30	48.5	1974	328	8	.0	.1	28.9	.0	3.7	.0
Oct	52.9	33.4	43.2	85+	1976	2	51.5	1971	7+	1976	28	37.1	1976	677	0	.0	.0	19.8	.5	15.2	.0
Nov	36.4	20.9	28.7	73	1950	1	37.1	1999	-22	1985	29	20.1	1976	1090	0	.0	.0	4.2	10.9	27.2	1.6
Dec	23.6	5.6	14.6	59+	1998	3	23.6	1997	-35	1989	21	2.6	1985	1563	0	.0	.0	.2	24.9	30.8	11.2
Ann	49.6	28.2	38.9	97+	Jul 1977	20	69.4	Jul 1999	-45+	Jan 1982	18	-3.3	Jan 1977	9681	205	.0	1.5	192.7	97.3	195.4	50.2

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

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Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
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151 Patton Avenue
Asheville, North Carolina 28801
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Station: WILLOW RESERVOIR, WI

COOP ID: 479236

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,560 Feet Lat: 45°42N

Lon: 89°51W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.09	.81	1.29	1997	5	2.93	1997	.17	1981	9.2	3.8	.2	@	.23	.33	.49	.64	.78	.94	1.12	1.33	1.61	2.06	2.48
Feb	.80	.67	1.16	1971	5	2.76	1971	.02	1987	6.4	2.9	.2	@	.07	.13	.24	.35	.47	.61	.77	.98	1.26	1.74	2.20
Mar	1.56	1.36	1.35	1973	11	3.56	1977	.22	1978	7.9	4.1	.8	.1	.36	.50	.73	.94	1.14	1.36	1.60	1.89	2.27	2.87	3.44
Apr	2.21	2.30	1.70	1981	4	4.72	1977	.56	1997	9.8	5.7	1.2	.3	.73	.94	1.25	1.51	1.76	2.02	2.31	2.64	3.06	3.72	4.33
May	3.16	3.11	3.22	1960	6	7.32	1973	.56	1986	10.4	6.7	2.2	.6	.88	1.18	1.64	2.03	2.42	2.82	3.27	3.80	4.49	5.56	6.57
Jun	3.93	3.73	6.12	1981	14	11.05	1981	1.53	1976	12.1	8.0	2.3	.7	1.46	1.82	2.35	2.79	3.21	3.64	4.11	4.65	5.34	6.40	7.37
Jul	3.90	3.67	3.76	1958	1	7.35	1999	1.02	1998	11.0	8.0	2.7	.8	1.26	1.63	2.18	2.64	3.09	3.56	4.06	4.66	5.43	6.62	7.72
Aug	4.31	3.79	3.40	1973	31	10.59	1995	1.26	1981	10.3	7.5	2.7	.9	1.29	1.70	2.31	2.84	3.36	3.89	4.48	5.18	6.07	7.47	8.77
Sep	4.09	3.99	4.27	1985	8	10.67	1994	.51	1976	11.2	7.5	2.3	.9	.91	1.29	1.89	2.43	2.97	3.55	4.19	4.97	5.98	7.60	9.13
Oct	2.51	2.42	2.77	1966	15	5.45	1995	.36	1976	10.0	5.8	1.4	.5	.83	1.07	1.42	1.71	2.00	2.29	2.61	2.99	3.47	4.22	4.91
Nov	2.02	1.70	2.32	1964	13	6.25	1991	.15	1981	9.0	4.5	1.1	.3	.39	.57	.87	1.14	1.42	1.72	2.05	2.46	3.00	3.87	4.69
Dec	1.11	.95	.84	1953	4	2.73	1984	.30	1994	9.1	3.9	.2	.0	.32	.42	.58	.72	.86	1.00	1.15	1.33	1.57	1.94	2.29
Ann	30.69	32.04	6.12	Jun 1981	14	11.05	Jun 1981	.02	Feb 1987	116.4	68.4	17.3	5.1	20.14	22.12	24.69	26.66	28.43	30.16	31.95	33.94	36.38	39.95	43.06

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

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No. 20 1971-2000

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Station: WILLOW RESERVOIR, WI

COOP ID: 479236

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,560 Feet

Lat: 45°42N

Lon: 89°51W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	12.2	10.8	12	12	9.0	1980	7	26.3	1976	28	1979	24	23	1979	7.8	5.8	1.4	.4	.0	-9.9	-9.9	-9.9	-9.9
Feb	7.5	8.5	13	15	5.0	1991	24	16.3	1979	30	1971	12	27	1971	5.0	3.3	.9	.1	.0	-9.9	-9.9	-9.9	-9.9
Mar	9.1	7.8	8	3	10.0	1977	4	23.0	1989	31	1972	7	25	1971	4.3	3.1	1.0	.4	.1	-9.9	-9.9	-9.9	-9.9
Apr	3.2	2.6	2	#	8.0	1993	16	14.0	1993	20	1971	6	11	1979	2.0	1.2	.4	.1	.0	5.6	4.1	3.3	1.8
May	.4	.0	#	0	4.5	1979	6	4.5	1979	#+	1997	21	#+	1997	.2	.2	@	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.1	.0	0	0	2.0	1995	22	2.0	1995	0	0	0	0	0	@	@	.0	.0	.0	.0	.0	.0	.0
Oct	.6	.0	#	0	4.0	1979	23	4.0	1979	2	1972	23	#+	1996	.5	.4	.1	.0	.0	.1	.0	.0	.0
Nov	4.2	3.5	#	#	6.0	1994	28	11.0	1978	9	1978	29	3	1979	3.6	2.3	.3	.1	.0	3.0	.8	.4	.0
Dec	11.4	10.4	4	4	7.0	1996	24	26.0	1996	17	1978	31	13	1978	7.1	4.7	.8	.2	.0	-9.9	-9.9	-9.9	-9.9
Ann	48.7	43.6	N/A	N/A	10.0	Mar 1977	4	26.3	Jan 1976	31	Mar 1972	7	27	Feb 1971	30.5	21.0	4.9	1.3	.1	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

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Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

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Climatography of the United States

No. 20 1971-2000

Station: WILLOW RESERVOIR, WI

COOP ID: 479236

Climate Division: WI 2

NWS Call Sign:

Elevation: 1,560 Feet

Lat: 45° 42N

Lon: 89° 51W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/28	6/21	6/16	6/12	6/08	6/04	5/31	5/26	5/19
32	6/11	6/05	6/02	5/29	5/26	5/23	5/20	5/16	5/10
28	5/30	5/23	5/19	5/15	5/11	5/08	5/04	4/29	4/23
24	5/16	5/11	5/07	5/04	5/01	4/28	4/25	4/21	4/15
20	4/29	4/24	4/21	4/18	4/15	4/13	4/10	4/06	4/01
16	4/22	4/18	4/14	4/12	4/09	4/06	4/03	3/31	3/26
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/15	8/22	8/27	9/01	9/05	9/09	9/14	9/19	9/26
32	8/31	9/06	9/11	9/14	9/18	9/21	9/25	9/30	10/06
28	9/13	9/20	9/25	9/29	10/03	10/07	10/11	10/16	10/23
24	9/29	10/05	10/10	10/14	10/18	10/21	10/25	10/30	11/06
20	10/08	10/15	10/20	10/24	10/28	11/01	11/05	11/10	11/16
16	10/27	11/01	11/04	11/07	11/09	11/12	11/15	11/18	11/23
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	124	112	103	95	88	81	74	65	52
32	142	133	126	120	114	109	103	96	86
28	174	164	156	150	144	138	131	124	113
24	198	188	181	175	169	163	157	150	140
20	220	211	205	200	195	190	185	178	170
16	233	227	222	218	214	210	206	201	194

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: WILLOW RESERVOIR, WI

COOP ID: 479236

Climate Division: WI 2 NWS Call Sign: Elevation: 1,560 Feet Lat: 45°42N Lon: 89°51W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1765	1441	1258	793	419	162	64	121	328	677	1090	1563	9681
60	1610	1301	1103	644	291	79	13	48	202	525	940	1408	8164
57	1517	1217	1010	557	227	45	4	23	141	437	850	1315	7343
55	1455	1161	948	500	188	29	1	13	107	381	790	1253	6826
50	1300	1021	793	364	109	8	0	2	45	254	642	1098	5636
32	752	537	294	51	3	0	0	0	0	19	194	568	2418

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	10	20	59	249	625	867	1037	966	670	365	94	29	4991
55	0	0	0	7	97	206	324	266	86	14	0	0	1000
57	0	0	0	4	73	162	266	214	61	8	0	0	788
60	0	0	0	2	45	106	182	146	32	3	0	0	516
65	0	0	0	0	17	39	78	63	8	0	0	0	205
70	0	0	0	0	5	10	18	18	1	0	0	0	52

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	11	106	401	649	806	729	447	171	17	1	0	0	11	117	518	1167	1973	2702	3149	3320	3337	3338
45	0	0	1	54	268	499	651	574	302	86	6	0	0	0	1	55	323	822	1473	2047	2349	2435	2441	2441
50	0	0	0	23	161	354	496	419	184	37	0	0	0	0	0	23	184	538	1034	1453	1637	1674	1674	1674
55	0	0	0	11	83	222	342	274	97	11	0	0	0	0	0	11	94	316	658	932	1029	1040	1040	1040
60	0	0	0	1	36	117	195	145	42	1	0	0	0	0	0	1	37	154	349	494	536	537	537	537
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	10	85	258	396	507	457	265	104	12	0	0	0	10	95	353	749	1256	1713	1978	2082	2094	2094

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: WINTER, WI

COOP ID: 479304

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,397 Feet Lat: 45°49N

Lon: 91°01W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	19.7	-2.9	8.4	52	1973	26	20.2	1990	-43	1977	9	-3.5	1977	1757	0	.0	.0	.1	27.1	31.0	18.4
Feb	26.8	2.5	14.7	60	2000	29	30.7	1998	-39+	1996	3	3.2	1989	1410	0	.0	.0	.6	19.1	27.8	13.2
Mar	37.8	14.1	26.0	73	2000	8	35.2	1973	-38	1962	1	17.3	1996	1209	0	.0	.0	4.1	10.4	29.0	5.9
Apr	52.8	26.8	39.8	88+	1980	22	45.8	1998	-3	1975	1	33.6	1975	756	0	.0	.0	17.5	1.5	21.1	.2
May	66.9	37.5	52.2	90+	1959	3	59.9	1977	4	2000	26	46.5	1997	412	15	.0	.0	28.9	.0	7.8	.0
Jun	74.5	47.5	61.0	93+	1988	12	65.9	1991	26	1949	8	55.3	1982	158	38	.0	.3	29.9	.0	.7	.0
Jul	78.6	52.8	65.7	98	1988	16	69.7	1999	33+	1969	1	60.1	1992	61	82	.0	.8	31.0	.0	.0	.0
Aug	76.2	50.3	63.3	95+	1964	3	68.1	1995	29	1964	14	58.2	1977	114	60	.0	.4	31.0	.0	.1	.0
Sep	67.0	41.8	54.4	94	1976	8	60.8	1998	19	1949	29	48.1	1974	324	6	.0	@	29.0	.0	3.9	.0
Oct	55.3	30.7	43.0	85+	1992	3	49.7	1971	6	1976	27	37.2	1976	681	0	.0	.0	20.6	.3	17.2	.0
Nov	38.0	20.0	29.0	71+	1990	2	36.4	1999	-27	1976	28	20.3	1995	1081	0	.0	.0	4.5	10.7	27.2	1.5
Dec	24.3	4.5	14.4	60+	1998	3	24.1	1997	-35+	1983	19	2.7	1983	1570	0	.0	.0	.3	24.3	30.9	12.4
Ann	51.5	27.1	39.3	98	Jul 1988	16	69.7	Jul 1999	-43	Jan 1977	9	-3.5	Jan 1977	9533	201	.0	1.5	197.5	93.4	196.7	51.6

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: WINTER, WI

COOP ID: 479304

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,397 Feet Lat: 45°49N

Lon: 91°01W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.13	.93	2.45	1996	19	3.57	1996	.05	1981	9.5	3.7	.4	.1	.18	.28	.44	.59	.76	.93	1.13	1.38	1.70	2.24	2.75
Feb	.78	.63	1.63	1998	27	2.62	1998	.08	1997	6.7	2.4	.2	@	.11	.17	.28	.39	.50	.63	.78	.96	1.20	1.60	1.99
Mar	1.79	1.41	1.94	1996	25	3.83	1991	.34	1978	9.2	4.5	1.0	.3	.42	.59	.85	1.09	1.32	1.56	1.84	2.16	2.59	3.27	3.91
Apr	2.27	2.40	1.75	1954	26	4.13	1985	.52	1988	9.9	6.0	1.2	.2	.70	.92	1.24	1.51	1.78	2.05	2.36	2.71	3.17	3.89	4.56
May	3.10	2.79	3.19	1953	21	6.33	1999	.62	1994	11.2	6.9	2.1	.7	1.02	1.31	1.74	2.11	2.47	2.83	3.24	3.71	4.31	5.25	6.11
Jun	4.13	3.94	2.93	1968	21	7.48	1993	1.68	1997	13.8	8.3	2.6	.9	1.82	2.19	2.70	3.12	3.51	3.90	4.33	4.81	5.43	6.36	7.20
Jul	5.09	5.14	6.87	1958	1	9.75	1982	1.80	1998	12.2	7.7	2.9	1.1	2.03	2.50	3.16	3.71	4.23	4.76	5.33	5.99	6.83	8.11	9.27
Aug	4.43	4.40	3.15	1983	3	8.30	1980	1.24	1976	12.8	7.9	2.9	1.0	1.73	2.15	2.73	3.21	3.67	4.14	4.64	5.23	5.97	7.11	8.14
Sep	4.49	3.87	4.20	1994	15	10.95	1994	1.45	1998	13.5	8.2	2.5	1.1	1.38	1.81	2.45	2.99	3.52	4.07	4.67	5.38	6.29	7.71	9.03
Oct	2.91	2.56	3.64	1973	9	6.55	1995	.46	1976	11.1	5.9	1.7	.7	.97	1.25	1.65	1.99	2.32	2.66	3.03	3.47	4.02	4.89	5.69
Nov	2.06	1.74	2.08	1975	10	7.37	1991	.22	1981	10.2	4.6	1.3	.2	.40	.58	.88	1.16	1.44	1.75	2.09	2.51	3.06	3.94	4.79
Dec	1.06	1.10	1.60	1965	12	2.70	1996	.18	1999	9.3	3.5	.4	@	.21	.31	.47	.61	.75	.91	1.08	1.30	1.57	2.02	2.44
Ann	33.24	32.76	6.87	Jul 1958	1	10.95	Sep 1994	.05	Jan 1981	129.4	69.6	19.2	6.3	22.62	24.64	27.25	29.24	31.02	32.75	34.54	36.52	38.94	42.46	45.53

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: WINTER, WI

COOP ID: 479304

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,397 Feet

Lat: 45°49N

Lon: 91°01W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	15.9	16.0	14	16	15.0	1982	23	36.4	1971	30+	1982	26	23	1988	9.7	5.1	2.0	.8	.1	-9.9	-9.9	-9.9	-9.9
Feb	9.9	9.0	16	16	12.0	1971	5	27.2	1971	39	1971	6	29	1971	6.5	3.1	1.0	.3	@	-9.9	-9.9	-9.9	-9.9
Mar	9.1	7.5	9	5	16.0	1996	25	26.8	1976	32	1972	6	22	1979	5.4	2.8	1.0	.5	@	21.5	19.4	17.0	15.1
Apr	3.3	1.7	2	#	7.0	1992	11	13.6	1983	22	1975	1	10	1975	2.3	1.3	.4	.2	.0	5.1	3.9	3.7	2.7
May	.2	.0	#	0	4.5	1979	5	4.5	1979	5	1979	5	#+	1997	.1	@	@	.0	.0	.1	.1	.1	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.5	1995	22	.5	1995	0	0	0	0	0	@	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.8	.0	#	0	4.5	1982	20	4.5+	1986	5	1982	20	1	1982	.6	.2	.1	.0	.0	.6	.3	.1	.0
Nov	7.4	6.1	1	#	18.0	1991	30	28.5	1991	10	1975	25	4	1975	4.9	2.3	.9	.3	.1	7.3	3.3	1.7	.3
Dec	12.1	13.0	6	5	14.0	1982	28	25.1	1996	17+	1978	31	13	1983	8.4	4.1	1.3	.2	@	25.1	20.3	15.7	4.8
Ann	58.7	53.3	N/A	N/A	18.0	Nov 1991	30	36.4	Jan 1971	39	Feb 1971	6	29	Feb 1971	37.9	18.9	6.7	2.3	.2	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: WINTER, WI

COOP ID: 479304

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,397 Feet

Lat: 45° 49N

Lon: 91° 01W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/27	6/21	6/18	6/14	6/11	6/08	6/05	6/01	5/27
32	6/14	6/09	6/05	6/02	5/30	5/27	5/24	5/21	5/16
28	6/02	5/27	5/23	5/20	5/17	5/13	5/10	5/06	4/30
24	5/17	5/12	5/08	5/04	5/01	4/28	4/24	4/20	4/14
20	5/01	4/26	4/22	4/19	4/16	4/13	4/10	4/07	4/02
16	4/19	4/15	4/12	4/10	4/08	4/06	4/03	4/01	3/28
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/20	8/25	8/29	9/01	9/04	9/07	9/11	9/14	9/20
32	9/02	9/07	9/10	9/13	9/16	9/19	9/22	9/25	9/30
28	9/20	9/24	9/27	9/29	10/01	10/03	10/06	10/08	10/12
24	9/26	10/01	10/05	10/07	10/10	10/13	10/16	10/19	10/24
20	10/11	10/15	10/19	10/22	10/25	10/28	10/31	11/03	11/08
16	10/20	10/25	10/28	10/31	11/03	11/06	11/08	11/12	11/16
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	110	101	95	89	84	79	74	67	58
32	127	120	116	112	108	104	100	96	89
28	155	149	144	140	137	133	130	125	119
24	181	175	170	166	162	158	154	149	142
20	210	203	198	195	191	187	183	178	172
16	226	220	216	212	208	205	201	196	190

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: WINTER, WI

COOP ID: 479304

Climate Division: WI 1

NWS Call Sign:

Elevation: 1,397 Feet Lat: 45°49N

Lon: 91°01W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1757	1410	1209	756	412	158	61	114	324	681	1081	1570	9533
60	1602	1270	1054	607	283	75	12	43	196	528	931	1415	8016
57	1509	1186	961	520	218	42	4	19	134	439	841	1322	7195
55	1447	1130	899	463	180	27	0	11	100	381	781	1260	6679
50	1292	990	745	329	101	7	0	1	39	252	632	1105	5493
32	747	519	270	38	2	0	0	0	0	16	186	577	2355

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	14	33	83	272	629	870	1044	969	672	358	95	30	5069
55	0	0	0	7	93	206	331	266	82	11	0	0	996
57	0	0	0	4	70	161	273	213	56	6	0	0	783
60	0	0	0	1	42	105	188	144	28	2	0	0	510
65	0	0	0	0	15	38	82	60	6	0	0	0	201
70	0	0	0	0	4	9	20	15	0	0	0	0	48

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	1	16	126	414	651	812	746	448	171	25	0	0	1	17	143	557	1208	2020	2766	3214	3385	3410	3410
45	0	0	5	65	281	501	657	591	308	87	7	0	0	0	5	70	351	852	1509	2100	2408	2495	2502	2502
50	0	0	1	30	171	354	502	436	191	38	0	0	0	0	1	31	202	556	1058	1494	1685	1723	1723	1723
55	0	0	0	11	90	222	349	287	101	15	0	0	0	0	0	11	101	323	672	959	1060	1075	1075	1075
60	0	0	0	3	41	116	203	157	43	1	0	0	0	0	0	3	44	160	363	520	563	564	564	564
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	15	99	274	406	516	465	271	118	12	0	0	1	16	115	389	795	1311	1776	2047	2165	2177	2177

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: WISCONSIN DELLS, WI

COOP ID: 479319

Climate Division: WI 8

NWS Call Sign:

Elevation: 835 Feet

Lat: 43°37N

Lon: 89°46W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	24.5	4.0	14.3	56	1973	26	26.8	1990	-43	1951	30	.3	1977	1574	0	.0	.0	.5	22.3	30.6	11.6
Feb	31.0	9.0	20.0	64	1999	12	32.8	1998	-37	1996	3	9.8	1979	1260	0	.0	.0	1.7	14.9	27.1	7.6
Mar	42.2	20.6	31.4	84	1986	29	39.3	2000	-29	1962	1	24.4	1975	1043	0	.0	.0	7.9	6.0	26.1	1.6
Apr	56.4	32.3	44.4	91+	1980	22	50.4	1985	5	1982	7	38.9	1975	621	0	.0	@	21.2	.4	14.9	.0
May	69.5	43.6	56.6	93+	1991	30	62.5	1991	22	1989	6	50.7	1997	290	28	.0	.2	30.5	.0	2.9	.0
Jun	78.2	53.3	65.8	99	1963	30	71.1	1991	31	1992	20	60.1	1982	74	97	@	2.0	30.0	.0	@	.0
Jul	81.9	58.1	70.0	101	1995	14	74.3	1983	41+	2001	2	65.1	1992	17	173	.1	3.4	31.0	.0	.0	.0
Aug	79.4	56.1	67.8	102+	1955	21	74.7	1995	37+	1986	27	63.7	1986	50	135	@	1.6	31.0	.0	.0	.0
Sep	70.9	47.1	59.0	98	1955	9	63.1	1994	24	1949	29	53.8	1975	201	20	.0	.5	29.8	.0	1.2	.0
Oct	59.2	35.4	47.3	90	1963	6	54.2	1971	9	1988	29	40.6+	1988	551	2	.0	.0	25.5	.0	10.4	.0
Nov	42.6	23.4	33.0	76	1964	3	39.8	1999	-11	1977	26	24.6	1976	959	0	.0	.0	8.6	5.2	22.9	.6
Dec	29.4	10.5	20.0	63+	2001	6	27.6	1982	-27	2000	26	7.4	1985	1397	0	.0	.0	1.1	17.5	29.8	6.3
Ann	55.4	32.8	44.1	102+	Aug 1955	21	74.7	Aug 1995	-43	Jan 1951	30	.3	Jan 1977	8037	455	.1	7.7	218.8	66.3	165.9	27.7

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: WISCONSIN DELLS, WI

COOP ID: 479319

Climate Division: WI 8

NWS Call Sign:

Elevation: 835 Feet

Lat: 43°37N

Lon: 89°46W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.99	.84	1.12	1950	25	2.05	1998	.00	1987	7.8	3.5	.4	.0	.12	.24	.41	.55	.69	.85	1.02	1.22	1.49	1.92	2.33
Feb	1.01	.93	1.80	1948	27	2.95	1971	.00+	1991	6.4	3.0	.5	@	.00	.07	.22	.38	.54	.73	.96	1.24	1.64	2.29	2.94
Mar	2.09	1.64	3.40	1998	31	6.05	1998	.29	1978	8.3	5.3	1.6	.3	.38	.56	.87	1.15	1.44	1.76	2.12	2.55	3.13	4.06	4.95
Apr	3.50	2.97	2.09	1958	5	7.44	1973	.75	1989	10.2	6.9	2.7	.7	1.15	1.48	1.97	2.38	2.78	3.19	3.64	4.17	4.85	5.90	6.87
May	3.50	3.44	2.55	2000	18	6.91	1973	.27	1981	9.6	6.8	2.4	1.0	1.00	1.34	1.84	2.27	2.70	3.14	3.63	4.21	4.96	6.14	7.23
Jun	4.20	4.35	3.00	2000	2	9.36	2000	.83	1992	9.6	7.2	2.7	1.4	1.08	1.47	2.08	2.62	3.15	3.71	4.34	5.07	6.04	7.56	8.98
Jul	4.10	4.00	4.91	1980	20	8.62	1999	1.63	1988	9.6	6.8	2.7	1.1	1.69	2.07	2.59	3.03	3.43	3.85	4.29	4.80	5.45	6.44	7.34
Aug	4.57	3.85	7.67	1980	7	14.13	1980	.98	1984	9.5	7.0	3.2	1.2	1.17	1.60	2.27	2.85	3.43	4.04	4.71	5.52	6.57	8.22	9.77
Sep	3.47	3.20	3.20	1992	15	11.06	1992	.30	1979	9.0	6.0	2.5	.8	.43	.71	1.20	1.68	2.19	2.76	3.42	4.24	5.34	7.16	8.92
Oct	2.30	2.32	2.12	1959	23	4.95	1995	.14	1975	8.0	5.3	1.7	.4	.65	.87	1.20	1.48	1.76	2.06	2.38	2.77	3.27	4.05	4.78
Nov	2.11	1.90	2.36	1961	2	5.79	1982	.04	1976	8.3	5.1	1.6	.4	.27	.44	.74	1.03	1.34	1.69	2.09	2.58	3.25	4.35	5.41
Dec	1.26	1.08	1.07	1959	27	3.09	2000	.20	1998	8.3	3.9	.5	.1	.27	.38	.57	.73	.90	1.08	1.29	1.53	1.85	2.37	2.86
Ann	33.10	33.97	7.67	Aug 1980	7	14.13	Aug 1980	.00+	Feb 1991	104.6	66.8	22.5	7.4	24.10	25.86	28.10	29.80	31.30	32.75	34.24	35.89	37.88	40.76	43.25

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: WISCONSIN DELLS, WI

COOP ID: 479319

Climate Division: WI 8

NWS Call Sign:

Elevation: 835 Feet

Lat: 43°37N

Lon: 89°46W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	8.8	5.7	7	6	9.0	1971	3	28.4	1979	28	1979	22	18	1982	4.5	3.0	1.0	.4	.0	20.9	16.3	12.8	5.0
Feb	8.8	7.9	6	6	8.0	1976	21	20.4	1976	20+	1979	19	17	1979	3.2	2.2	.7	.2	.0	18.3	13.6	10.4	6.0
Mar	7.1	5.6	2	1	14.0	1971	18	20.4	1971	21	1971	19	13	1971	2.4	1.6	.6	.3	@	8.4	5.6	4.4	1.7
Apr	2.1	1.0	#	#	12.0	1973	9	18.0	1973	15	1973	9	2	1973	1.0	.9	.2	.1	@	1.6	.8	.4	.1
May	#	.0	#	0	#	1997	1	#+	1997	#+	1997	1	#+	1997	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	#	0	.0	0	0	.0	0	#+	1996	7	#+	1996	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	#	0	.0	0	0	.0	0	#+	1996	28	#+	1996	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	#	0	.0	0	0	.0	0	#+	1993	15	#+	1993	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	#	0	.0	0	0	.0	0	#	1992	15	#	1992	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.3	.0	#	0	4.0	1990	10	4.0	1990	3	1997	27	#+	1997	.2	.1	.1	.0	.0	.1	@	.0	.0
Nov	2.7	1.0	1	#	5.0	1977	27	13.0	1977	10	1977	28	2	1996	1.4	.9	.2	@	.0	2.3	1.0	.5	.1
Dec	8.5	8.4	3	2	8.0	1996	24	23.2	1977	23	2000	24	10	2000	4.8	3.1	.9	.2	.0	16.5	11.1	5.6	1.0
Ann	38.3	29.6	N/A	N/A	14.0	Mar 1971	18	28.4	Jan 1979	28	Jan 1979	22	18	Jan 1982	17.5	11.8	3.7	1.2	@	68.1	48.4	34.1	13.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: WISCONSIN DELLS, WI

COOP ID: 479319

Climate Division: WI 8

NWS Call Sign:

Elevation: 835 Feet

Lat: 43°37N

Lon: 89°46W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/10	6/04	5/31	5/27	5/24	5/20	5/17	5/12	5/06
32	5/30	5/24	5/20	5/17	5/14	5/11	5/07	5/03	4/28
28	5/11	5/07	5/03	5/01	4/28	4/25	4/22	4/19	4/14
24	4/25	4/21	4/18	4/16	4/14	4/11	4/09	4/06	4/02
20	4/17	4/13	4/10	4/08	4/06	4/04	4/01	3/29	3/26
16	4/11	4/07	4/04	4/01	3/30	3/27	3/24	3/21	3/17
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/09	9/13	9/16	9/18	9/21	9/23	9/25	9/28	10/02
32	9/20	9/25	9/28	9/30	10/03	10/05	10/08	10/11	10/15
28	9/25	9/30	10/04	10/08	10/11	10/14	10/17	10/21	10/27
24	10/05	10/11	10/15	10/18	10/21	10/24	10/28	11/01	11/06
20	10/16	10/21	10/25	10/29	11/01	11/04	11/07	11/11	11/17
16	10/28	11/02	11/06	11/10	11/13	11/16	11/19	11/23	11/29
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	139	132	127	123	119	115	111	107	100
32	161	154	149	145	141	137	133	128	122
28	185	178	173	169	165	161	157	152	145
24	213	205	199	194	190	185	180	175	167
20	227	221	216	212	208	204	200	196	189
16	250	242	237	232	227	223	218	213	205

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: WISCONSIN DELLS, WI

COOP ID: 479319

Climate Division: WI 8 NWS Call Sign: Elevation: 835 Feet Lat: 43°37N Lon: 89°46W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1574	1260	1043	621	290	74	17	50	201	551	959	1397	8037
60	1419	1120	888	475	179	25	1	13	99	404	809	1242	6674
57	1326	1036	795	390	127	10	0	4	57	323	719	1149	5936
55	1264	980	733	337	97	6	0	2	38	273	660	1087	5477
50	1109	840	580	217	43	1	0	0	9	166	513	932	4410
32	585	390	149	10	0	0	0	0	0	6	113	433	1686

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	34	54	129	380	761	1013	1179	1108	809	480	143	59	6149
55	0	0	0	16	145	328	466	397	157	34	0	0	1543
57	0	0	0	10	112	273	404	338	117	22	0	0	1276
60	0	0	0	4	72	197	312	253	68	10	0	0	916
65	0	0	0	0	28	97	173	135	20	2	0	0	455
70	0	0	0	0	8	33	74	56	3	0	0	0	174

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	3	47	208	545	793	956	884	600	283	54	4	0	3	50	258	803	1596	2552	3436	4036	4319	4373	4377
45	0	0	21	118	392	643	801	729	451	170	21	2	0	0	21	139	531	1174	1975	2704	3155	3325	3346	3348
50	0	0	6	62	258	494	646	574	310	89	4	0	0	0	6	68	326	820	1466	2040	2350	2439	2443	2443
55	0	0	1	27	146	347	491	419	189	40	0	0	0	0	1	28	174	521	1012	1431	1620	1660	1660	1660
60	0	0	0	13	74	212	339	269	104	12	0	0	0	0	0	13	87	299	638	907	1011	1023	1023	1023
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	37	144	341	508	635	578	364	176	36	2	0	0	37	181	522	1030	1665	2243	2607	2783	2819	2821

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20

1971-2000

Station: WISCONSIN RAPIDS, WI

COOP ID: 479335

Climate Division: WI 5

NWS Call Sign:

Elevation: 1,040 Feet Lat: 44° 23N

Lon: 89° 48W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	23.4	3.9	13.7	57	1981	25	23.2	1990	-38	1982	17	2.1	1977	1592	0	.0	.0	.2	24.0	30.8	13.2
Feb	30.3	9.1	19.7	62+	2000	29	31.8	1998	-33	1951	9	10.5	1979	1270	0	.0	.0	1.1	16.2	27.4	8.8
Mar	41.3	20.2	30.8	81	1986	29	39.7	1973	-34	1962	1	24.2	1996	1063	0	.0	.0	6.8	6.7	27.3	2.6
Apr	56.3	32.4	44.4	92	1980	22	50.6	1977	2	1982	7	38.8	1975	621	1	.0	@	20.8	.5	15.6	.0
May	69.8	44.1	57.0	93+	1978	26	65.8	1977	21	1967	5	49.4	1997	291	41	.0	.5	30.4	.0	3.5	.0
Jun	78.1	53.4	65.8	100	1988	21	70.3	1995	31	1956	2	60.0	1982	71	93	@	2.9	30.0	.0	.0	.0
Jul	82.2	58.5	70.4	107	1995	13	74.8	1983	38	1952	29	63.1	1992	25	191	.2	4.8	31.0	.0	.0	.0
Aug	79.6	56.3	68.0	107	1948	24	73.4	1995	32	1965	29	63.0	1992	48	138	.1	2.3	31.0	.0	.0	.0
Sep	70.3	47.2	58.8	99	1948	16	64.5	1998	19	1949	29	53.1	1993	209	20	.0	.5	29.6	.0	2.0	.0
Oct	58.0	35.9	47.0	91	1976	1	54.1	1971	9	1988	30	40.6	1987	561	1	.0	@	24.6	.0	12.0	.0
Nov	41.3	23.4	32.4	75	1964	3	39.7	1999	-14	1950	25	24.8	1995	980	0	.0	.0	7.1	6.5	24.8	.9
Dec	27.9	10.4	19.2	64	1998	3	26.4	1987	-26	1972	7	7.8	1989	1422	0	.0	.0	.6	20.2	30.4	7.9
Ann	54.9	32.9	43.9	107+	Jul 1995	13	74.8	Jul 1983	-38	Jan 1982	17	2.1	Jan 1977	8153	485	.3	11.0	213.2	74.1	173.8	33.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

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Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: WISCONSIN RAPIDS, WI

COOP ID: 479335

Climate Division: WI 5

NWS Call Sign:

Elevation: 1,040 Feet Lat: 44°23N

Lon: 89°48W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.13	1.01	1.05	1967	24	2.40	1996	.09	1981	9.7	4.0	.2	.0	.30	.41	.57	.71	.86	1.00	1.17	1.36	1.62	2.02	2.39
Feb	1.03	.89	1.29	1983	2	3.00	1981	.22	1993	7.2	3.1	.6	.1	.16	.25	.40	.54	.69	.85	1.03	1.26	1.56	2.04	2.51
Mar	2.03	2.06	1.65	1986	18	3.68	1977	.13	1999	8.7	5.2	1.3	.2	.46	.65	.95	1.22	1.48	1.77	2.08	2.46	2.96	3.75	4.49
Apr	2.99	2.74	2.25	1981	3	5.63	1973	.98	1989	10.8	6.6	2.2	.5	1.23	1.50	1.89	2.21	2.50	2.81	3.13	3.51	3.98	4.70	5.36
May	3.38	3.25	3.12	1989	29	8.82	1989	.73	1988	11.2	6.5	2.4	.8	.96	1.28	1.76	2.18	2.60	3.03	3.50	4.07	4.80	5.94	7.01
Jun	3.86	3.45	3.50+	1998	24	9.73	1998	.95	1988	11.0	7.3	2.3	.8	.86	1.22	1.78	2.29	2.80	3.34	3.95	4.68	5.64	7.16	8.61
Jul	4.18	3.71	3.08	1971	23	9.57	1999	.64	1998	10.6	7.3	2.6	1.0	1.24	1.64	2.24	2.75	3.25	3.77	4.34	5.01	5.88	7.24	8.51
Aug	4.29	3.70	3.51	1975	23	10.66	1995	1.21	1976	11.0	7.3	3.0	1.1	1.45	1.86	2.45	2.96	3.44	3.93	4.48	5.11	5.93	7.19	8.35
Sep	3.59	3.00	3.52	1978	11	8.85	1986	.18	1979	11.3	6.4	2.4	.9	.62	.93	1.45	1.95	2.45	3.00	3.62	4.38	5.39	7.03	8.60
Oct	2.49	2.17	4.05	1954	2	8.81	1984	.26	2000	9.8	5.7	1.6	.4	.53	.76	1.13	1.46	1.79	2.15	2.54	3.02	3.65	4.66	5.61
Nov	2.07	1.69	1.78	1992	20	4.39	1991	.04	1976	9.7	4.9	1.2	.3	.27	.43	.73	1.02	1.32	1.66	2.05	2.53	3.18	4.25	5.29
Dec	1.38	1.42	1.37	1985	1	2.70	1971	.31+	1994	9.6	4.4	.5	@	.33	.46	.66	.84	1.02	1.21	1.42	1.67	2.01	2.54	3.03
Ann	32.42	33.68	4.05	Oct 1954	2	10.66	Aug 1995	.04	Nov 1976	120.6	68.7	20.3	6.1	24.96	26.44	28.33	29.74	30.98	32.18	33.40	34.74	36.36	38.68	40.67

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: WISCONSIN RAPIDS, WI

COOP ID: 479335

Climate Division: WI 5

NWS Call Sign:

Elevation: 1,040 Feet

Lat: 44°23N

Lon: 89°48W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	11.2	9.6	7	6	8.9	1980	6	22.7	1971	23	1982	23	16	1982	8.2	3.9	1.5	.4	.0	26.8	21.5	16.3	6.5
Feb	9.9	8.0	7	5	9.0	1977	23	25.5	1971	21+	1982	3	16+	1986	6.7	3.3	.8	.4	.0	23.6	20.0	15.6	5.5
Mar	10.6	11.1	3	2	20.0	1997	13	26.6	1972	24+	1971	3	11	1971	4.9	3.5	1.0	.5	.1	14.4	9.1	6.4	2.3
Apr	2.9	.5	#	0	7.8	1977	1	22.6	1977	7	1973	9	1	1972	1.1	.8	.3	.2	.0	1.1	.5	.1	.0
May	#	.0	#	0	#	1989	6	#+	1989	0	0	0	#	2000	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.3	.0	#	0	3.0	1990	10	3.0	1990	3+	1992	19	#	1992	.2	.1	.1	.0	.0	.1	.1	.0	.0
Nov	2.7	2.2	1	0	7.0	1992	25	7.5	1988	12	1991	27	3+	1993	2.8	1.1	.4	.1	.0	5.4	2.0	.7	.1
Dec	10.1	6.3	4	3	13.7	1985	1	26.0	1972	19	1985	5	13	1985	7.1	3.2	1.1	.4	@	22.5	15.9	8.9	3.4
Ann	47.7	37.7	N/A	N/A	20.0	Mar 1997	13	26.6	Mar 1972	24+	Mar 1971	3	16+	Feb 1986	31.0	15.9	5.2	2.0	.1	93.9	69.1	48.0	17.8

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: WISCONSIN RAPIDS, WI

COOP ID: 479335

Climate Division: WI 5

NWS Call Sign:

Elevation: 1,040 Feet

Lat: 44°23N

Lon: 89°48W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/14	6/08	6/04	5/31	5/28	5/24	5/21	5/16	5/10
32	5/26	5/22	5/19	5/16	5/13	5/11	5/08	5/04	4/30
28	5/12	5/08	5/05	5/03	5/01	4/28	4/26	4/23	4/19
24	4/30	4/26	4/22	4/20	4/17	4/14	4/12	4/08	4/04
20	4/22	4/18	4/15	4/13	4/11	4/09	4/07	4/04	3/31
16	4/13	4/08	4/04	3/31	3/28	3/25	3/22	3/18	3/13
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/01	9/06	9/09	9/12	9/15	9/18	9/21	9/24	9/29
32	9/14	9/18	9/20	9/23	9/25	9/27	9/30	10/03	10/06
28	9/22	9/26	9/29	10/02	10/04	10/06	10/09	10/12	10/16
24	9/30	10/06	10/10	10/14	10/18	10/21	10/25	10/29	11/05
20	10/14	10/19	10/23	10/26	10/29	11/01	11/04	11/08	11/13
16	10/24	10/28	11/01	11/03	11/06	11/08	11/11	11/14	11/19
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	133	125	119	114	110	105	100	94	86
32	153	146	142	138	134	131	127	122	116
28	172	166	162	159	156	152	149	145	139
24	208	199	193	188	183	178	173	167	158
20	221	214	209	204	200	196	192	186	179
16	242	235	230	226	222	218	213	209	202

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatography
of the United States
No. 20
1971-2000**

Station: WISCONSIN RAPIDS, WI

COOP ID: 479335

Climate Division: WI 5 NWS Call Sign: Elevation: 1,040 Feet Lat: 44°23N Lon: 89°48W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1592	1270	1063	621	291	71	25	48	209	561	980	1422	8153
60	1437	1130	908	475	187	23	6	12	105	413	830	1267	6793
57	1344	1046	815	390	136	9	0	3	62	330	740	1174	6049
55	1282	990	753	337	107	5	0	1	42	279	680	1112	5588
50	1127	850	601	218	52	1	0	0	11	170	534	957	4521
32	591	383	168	10	0	0	0	0	0	7	130	445	1734

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	22	37	128	380	772	1013	1189	1114	802	470	140	47	6114
55	0	0	0	17	166	328	476	402	153	29	0	0	1571
57	0	0	0	10	133	272	414	342	114	18	0	0	1303
60	0	0	0	5	91	195	327	258	67	8	0	0	951
65	0	0	0	1	41	93	191	138	20	1	0	0	485
70	0	0	0	0	15	30	95	59	3	0	0	0	202

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	2	38	200	533	782	950	874	573	251	38	2	0	2	40	240	773	1555	2505	3379	3952	4203	4241	4243
45	0	1	19	114	385	632	795	719	425	150	14	1	0	1	20	134	519	1151	1946	2665	3090	3240	3254	3255
50	0	0	6	57	252	482	640	564	288	73	2	0	0	0	6	63	315	797	1437	2001	2289	2362	2364	2364
55	0	0	2	28	146	337	485	409	175	32	0	0	0	0	2	30	176	513	998	1407	1582	1614	1614	1614
60	0	0	0	11	77	206	333	259	90	6	0	0	0	0	0	11	88	294	627	886	976	982	982	982
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	29	142	338	502	626	566	349	155	25	0	0	1	30	172	510	1012	1638	2204	2553	2708	2733	2733

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html