

Summary of Monthly Normals 1981-2010

Elev: 866 ft. Lat: 43.140° N Lon: 89.345° W

Generated on 06/03/2015

Station: **MADISON DANE CO REGIONAL AIRPORT, WI US GHCND:USW00014837**

Temperature (°F)																						
Mean							Cooling Degree Days						Heating Degree Days				Mean Number of Days					
							Base (above)						Base (below)									
Month	Daily Max	Daily Min	Mean	Long Term Max Std. Dev.	Long Term Min Std. Dev.	Long Term Avg Std. Dev.	55	57	60	65	70	72	55	57	60	65	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
1	26.4	11.1	18.8	5.3	6.6	5.9	0	0	0	0	0	0	1124	1186	1279	1434	0.0	0.0	0.4	20.4	29.9	7.1
2	31.1	15.1	23.1	5.3	5.8	5.4	-7777	-7777	-7777	-7777	0	0	893	949	1033	1173	0.0	0.0	1.2	14.4	26.3	4.1
3	43.1	24.8	34.0	4.1	3.2	3.4	4	3	1	-7777	0	0	656	717	809	963	0.0	0.0	8.1	4.9	24.0	0.4
4	57.3	35.8	46.6	3.7	2.9	3.1	33	23	13	4	1	-7777	287	337	416	558	0.0	0.0	21.8	0.3	10.3	0.0
5	68.4	46.1	57.3	3.5	3.4	3.2	142	108	67	26	7	3	72	100	153	266	0.0	0.1	30.2	0.0	1.4	0.0
6	77.9	56.1	67.0	2.9	2.7	2.5	364	308	229	120	46	28	4	8	19	60	0.0	1.3	30.0	0.0	0.0	0.0
7	81.6	61.0	71.3	2.8	2.4	2.4	505	443	351	206	93	60	-7777	-7777	1	10	-7777	2.8	31.0	0.0	0.0	0.0
8	79.4	59.0	69.2	3.1	3.1	2.9	441	379	290	157	64	41	-7777	1	5	27	-7777	1.5	31.0	0.0	0.0	0.0
9	71.8	50.2	61.0	3.1	2.4	2.5	215	173	118	51	16	9	36	53	88	171	0.0	0.1	30.0	0.0	0.5	0.0
10	58.9	38.8	48.9	3.5	2.9	2.9	44	30	16	4	1	1	235	283	362	505	0.0	0.0	24.8	-7777	7.9	0.0
11	44.1	28.2	36.2	5.2	3.8	4.3	3	2	1	-7777	0	0	568	627	716	866	0.0	0.0	9.4	4.4	19.6	0.1
12	30.2	15.9	23.0	5.7	6.3	5.9	-7777	-7777	0	0	0	0	990	1052	1145	1300	0.0	0.0	0.9	16.9	28.6	3.6
Summary	55.9	36.8	46.4	4.0	3.8	3.7	1751	1469	1086	568	228	142	4865	5313	6026	7333	0	5.8	218.8	61.3	148.5	15.3

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Precipitation (in.)								
	Totals	Mean Number of Days				Precipitation Probabilities Probability that precipitation will be equal to or less than the indicated amount		
	Means	Daily Precipitation				Monthly Precipitation vs. Probability Levels		
Month	Mean	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.25	.50	.75
1	1.23	10.2	3.8	0.5	0.1	0.63	1.10	1.82
2	1.45	9.2	4.1	0.6	0.2	0.62	1.39	2.17
3	2.20	10.5	5.0	1.3	0.3	1.17	1.81	3.13
4	3.40	12.1	7.0	2.2	0.7	2.46	3.18	4.15
5	3.55	11.9	7.2	2.2	0.7	1.97	3.68	4.17
6	4.54	11.1	7.3	2.7	1.2	2.10	4.06	5.67
7	4.18	10.6	6.6	2.8	1.3	2.69	4.18	4.97
8	4.27	9.4	6.2	2.7	1.2	2.48	3.93	5.57
9	3.13	9.3	5.4	2.3	0.7	1.79	2.81	3.96
10	2.40	9.8	5.4	1.4	0.3	1.32	2.23	3.20
11	2.39	10.6	5.5	1.3	0.5	1.21	1.77	3.24
12	1.74	10.1	4.5	0.8	0.2	0.86	1.43	2.39
Summary	34.48	124.8	68.0	20.8	7.4	19.30	31.57	44.44

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Snow (in.)													
	Totals	Mean Number of Days									Snow Probabilities Probability that snow will be equal to or less than the indicated amount		
	Means	Snowfall >= Thresholds					Snow Depth >= Thresholds				Monthly Snow vs. Probability Levels Values derived from the incomplete gamma distribution.		
Month	Snowfall Mean	0.1	1.0	3.0	5.0	10.0	1	3	5	10	.25	.50	.75
1	12.9	9.8	3.6	1.2	0.6	0.1	24.0	17.5	13.6	6.2	6.4	12.2	19.1
2	10.6	7.9	3.2	1.1	0.3	0.1	20.9	15.0	10.4	4.5	6.5	10.0	13.1
3	7.0	5.8	2.0	0.6	0.3	0.0	8.8	5.1	3.4	0.3	3.4	7.0	9.8
4	2.6	2.0	0.7	0.3	0.1	0.0	1.2	0.5	0.2	0.0	0.1	0.9	4.5
5	0.2	0.2	0.1	-7777	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.5	0.5	0.1	0.1	0.0	0.0	0.1	-7777	0.0	0.0	0.0	0.0	0.3
11	3.6	3.8	1.2	0.2	0.1	0.0	2.9	1.0	0.3	0.0	0.4	2.4	5.4
12	13.5	8.7	3.8	1.3	0.6	0.1	18.5	11.7	7.4	3.3	3.3	10.3	22.6
Summary	50.9	38.7	14.7	4.8	2.0	0.3	76.5	50.9	35.3	14.3	20.1	42.8	74.8

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Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	1	5	54	234	535	810	970	905	630	294	69	6
45	-7777	1	26	137	385	660	815	750	482	180	31	2
50	0	-7777	11	71	250	510	660	595	340	97	11	1
55	0	-7777	4	33	142	364	505	441	215	44	3	-7777
60	0	-7777	1	13	67	229	351	290	118	16	1	0
Growing Degree Units for Corn (Monthly)												
50/86	1	3	35	143	316	518	649	592	382	164	35	2

Growing Degree Units (Accumulated Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	1	6	60	294	829	1639	2609	3514	4144	4438	4507	4513
45	0	1	27	164	549	1209	2024	2774	3256	3436	3467	3469
50	0	0	11	82	332	842	1502	2097	2437	2534	2545	2546
55	0	0	4	37	179	543	1048	1489	1704	1748	1751	1751
60	0	0	1	14	81	310	661	951	1069	1085	1086	1086
Growing Degree Units for Corn (Monthly)												
50/86	1	4	39	182	498	1016	1665	2257	2639	2803	2838	2840

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

M indicates the value is missing

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