

Wisconsin State Climatology Office

Cooling Degree Day Units - base 65°F: South central Wisconsin

Data Source: National Centers for Environmental Information

Jan 1895 -Jul 2023

SPRING SUMMER FALL WINTER

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	MAM	JJA	SON	DJF
1895	0	0	0	0	36	167	160	189	82	0	0	0	634	36	516	82	0
1896	0	0	0	5	127	156	223	191	7	0	0	0	709	132	570	7	0
1897	0	0	0	0	25	93	286	106	98	9	0	0	617	25	485	107	0
1898	0	0	0	0	28	154	234	145	47	0	0	0	608	28	533	47	0
1899	0	0	0	0	36	146	211	206	11	9	0	0	619	36	563	20	0
1900	0	0	0	0	56	109	172	303	41	18	0	0	699	56	584	59	0
1901	0	0	0	0	32	165	422	184	22	5	0	0	830	32	771	27	0
1902	0	0	0	0	47	58	203	98	8	0	0	0	414	47	359	8	0
1903	0	0	0	0	47	58	182	92	19	0	0	0	398	47	332	19	0
1904	0	0	0	0	28	94	150	93	24	0	0	0	389	28	337	24	0
1905	0	0	0	0	20	97	145	160	48	0	0	0	470	20	402	48	0
1906	0	0	0	0	28	86	152	204	78	0	0	0	548	28	442	78	0
1907	0	0	0	0	5	76	180	103	15	0	0	0	379	5	359	15	0
1908	0	0	0	0	30	80	187	133	89	0	0	0	519	30	400	89	0
1909	0	0	0	0	19	97	169	214	16	0	0	0	515	19	480	16	0
1910	0	0	0	0	10	117	280	174	18	7	0	0	606	10	571	25	0
1911	0	0	0	0	87	197	242	133	33	0	0	0	692	87	572	33	0
1912	0	0	0	0	34	76	182	105	31	0	0	0	428	34	363	31	0
1913	0	0	0	0	22	142	198	167	22	0	0	0	551	22	507	22	0
1914	0	0	0	0	48	105	245	170	27	10	0	0	605	48	520	37	0
1915	0	0	0	9	8	42	105	51	31	0	0	0	246	17	198	31	0
1916	0	0	0	0	24	37	384	222	12	0	0	0	679	24	643	12	0
1917	0	0	0	0	8	48	209	111	13	0	0	0	389	8	368	13	0
1918	0	0	0	0	62	99	160	241	0	6	0	0	568	62	500	6	0
1919	0	0	0	0	16	195	283	137	58	0	0	0	689	16	615	58	0
1920	0	0	0	0	19	138	141	120	70	16	0	0	504	19	399	86	0
1921	0	0	0	0	52	227	391	160	70	0	0	0	900	52	778	70	0
1922	0	0	0	0	87	142	152	181	62	7	0	0	631	87	475	69	0
1923	0	0	0	0	23	195	254	120	24	0	0	0	616	23	569	24	0
1924	0	0	0	0	6	56	114	118	0	11	0	0	305	6	288	11	0
1925	0	0	0	0	12	135	167	158	78	0	0	0	550	12	460	78	0
1926	0	0	0	0	34	46	187	167	17	0	0	0	451	34	400	17	0
1927	0	0	0	0	13	61	164	82	62	7	0	0	389	13	307	69	0
1928	0	0	0	0	44	48	209	174	9	6	0	0	490	44	431	15	0
1929	0	0	0	0	14	68	214	128	21	0	0	0	445	14	410	21	0
1930	0	0	0	0	34	119	248	206	48	0	0	0	655	34	573	48	0
1931	0	0	0	0	14	200	319	181	119	10	0	0	843	14	700	129	0
1932	0	0	0	0	34	165	251	179	18	0	0	0	647	34	595	18	0
1933	0	0	0	0	30	295	234	129	86	0	0	0	774	30	658	86	0
1934	0	0	0	0	104	243	295	131	16	7	0	0	796	104	669	23	0
1935	0	0	0	0	8	50	322	172	28	0	0	0	580	8	544	28	0
1936	0	0	0	0	84	83	369	258	52	0	0	0	846	84	710	52	0
1937	0	0	0	0	31	91	260	292	35	0	0	0	709	31	643	35	0
1938	0	0	0	0	25	96	214	219	23	10	0	0	587	25	529	33	0
1939	0	0	0	0	68	150	260	174	82	0	0	0	734	68	584	82	0
1940	0	0	0	0	15	119	234	135	24	7	0	0	534	15	488	31	0
1941	0	0	0	0	65	124	228	191	55	5	0	0	668	65	543	60	0
1942	0	0	0	0	22	112	198	147	12	0	0	0	491	22	457	12	0
1943	0	0	0	0	17	172	251	196	7	0	0	0	643	17	619	7	0
1944	0	0	0	0	73	169	182	196	42	0	0	0	662	73	547	42	0
1945	0	0	0	0	9	40	141	152	19	0	0	0	361	9	333	19	0
1946	0	0	0	0	17	97	209	117	24	9	0	0	473	17	423	33	0
1947	0	0	0	0	8	61	160	345	48	30	0	0	652	8	566	78	0
1948	0	0	0	0	16	96	239	194	70	0	0	0	615	16	529	70	0
1949	0	0	0	0	37	174	271	186	5	8	0	0	681	37	631	13	0
1950	0	0	0	0	25	97	124	79	16	10	0	0	351	25	300	26	0
1951	0	0	0	0	50	60	157	97	8	0	0	0	372	50	314	8	0
1952	0	0	0	0	24	159	257	128	25	0	0	0	593	24	544	25	0
1953	0	0	0	0	28	161	220	189	30	12	0	0	640	28	570	42	0
1954	0	0	0	0	9	169	209	128	37	0	0	0	552	9	506	37	0
1955	0	0	0	6	48	76	350	280	38	0	0	0	798	54	706	38	0
1956	0	0	0	0	22	176	143	160	14	13	0	0	528	22	479	27	0
1957	0	0	0	0	17	110	228	156	14	0	0	0	525	17	494	14	0
1958	0	0	0	0	35	43	143	184	30	8	0	0	443	35	370	38	0
1959	0	0	0	0	76	138	164	266	47	0	0	0	691	76	568	47	0
1960	0	0	0	0	18	73	143	174	55	0	0	0	463	18	390	55	0

Cooling Degree Day Units - base 65°F: South central Wisconsin

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	MAM	JJA	SON	DJF
1961	0	0	0	0	14	115	180	170	38	0	0	0	517	14	465	38	0
1962	0	0	0	0	73	110	114	163	8	7	0	0	475	73	387	15	0
1963	0	0	0	0	18	152	239	126	24	34	0	0	593	18	517	58	0
1964	0	0	0	0	80	133	248	115	21	0	0	0	597	80	496	21	0
1965	0	0	0	0	65	94	169	122	16	0	0	0	466	65	385	16	0
1966	0	0	0	0	9	120	245	113	14	0	0	0	501	9	478	14	0
1967	0	0	0	0	9	127	130	70	14	0	0	0	350	9	327	14	0
1968	0	0	0	0	15	115	164	170	24	5	0	0	493	15	449	29	0
1969	0	0	0	0	30	29	190	199	24	0	0	0	472	30	418	24	0
1970	0	0	0	0	42	120	228	181	30	5	0	0	606	42	529	35	0
1971	0	0	0	0	16	195	124	122	67	22	0	0	546	16	441	89	0
1972	0	0	0	0	51	78	157	160	25	0	0	0	471	51	395	25	0
1973	0	0	0	0	13	148	237	204	29	13	0	0	644	13	589	42	0
1974	0	0	0	0	13	66	239	117	7	0	0	0	442	13	422	7	0
1975	0	0	0	0	63	127	203	184	7	7	0	0	591	63	514	14	0
1976	0	0	0	0	16	144	242	133	12	0	0	0	547	16	519	12	0
1977	0	0	0	6	117	84	271	93	28	0	0	0	599	123	448	28	0
1978	0	0	0	0	33	114	160	167	73	0	0	0	547	33	441	73	0
1979	0	0	0	0	23	109	180	122	34	0	0	0	468	23	411	34	0
1980	0	0	0	0	41	94	257	189	24	0	0	0	605	41	540	24	0
1981	0	0	0	0	18	127	180	143	14	0	0	0	482	18	450	14	0
1982	0	0	0	0	73	40	214	115	15	0	0	0	457	73	369	15	0
1983	0	0	0	0	10	129	316	266	24	0	0	0	745	10	711	24	0
1984	0	0	0	0	14	146	164	211	17	6	0	0	558	14	521	23	0
1985	0	0	0	5	64	79	201	108	35	0	0	0	492	69	388	35	0
1986	0	0	0	0	40	110	248	87	33	0	0	0	518	40	445	33	0
1987	0	0	0	0	60	197	295	147	25	0	0	0	724	60	639	25	0
1988	0	0	0	0	65	185	295	289	44	0	0	0	878	65	769	44	0
1989	0	0	0	0	23	97	234	143	12	0	0	0	509	23	474	12	0
1990	0	0	0	0	13	122	180	163	49	0	0	0	527	13	465	49	0
1991	0	0	0	0	87	185	209	177	17	0	0	0	675	87	571	17	0
1992	0	0	0	0	32	79	101	73	14	0	0	0	299	32	253	14	0
1993	0	0	0	0	37	82	190	194	0	0	0	0	503	37	466	0	0
1994	0	0	0	0	25	159	160	97	49	6	0	0	496	25	416	55	0
1995	0	0	0	0	21	192	251	327	11	0	0	0	802	21	770	11	0
1996	0	0	0	0	12	112	126	156	27	0	0	0	433	12	394	27	0
1997	0	0	0	0	8	136	177	95	29	0	0	0	445	8	408	29	0
1998	0	0	0	0	83	112	211	209	78	6	0	0	699	83	532	84	0
1999	0	0	0	0	51	142	319	128	20	0	0	0	660	51	589	20	0
2000	0	0	0	0	45	99	167	177	33	9	0	0	530	45	443	42	0
2001	0	0	0	0	48	102	254	222	16	0	0	0	642	48	578	16	0
2002	0	0	0	0	13	152	307	191	69	0	0	0	732	13	650	69	0
2003	0	0	0	0	20	88	187	244	32	0	0	0	571	20	519	32	0
2004	0	0	0	0	27	86	145	80	69	0	0	0	407	27	311	69	0
2005	0	0	0	0	17	230	231	196	100	6	0	0	780	17	657	106	0
2006	0	0	0	0	35	112	277	189	14	0	0	0	627	35	578	14	0
2007	0	0	0	0	72	150	201	214	58	17	0	0	712	72	565	75	0
2008	0	0	0	0	16	131	206	152	49	0	0	0	554	16	489	49	0
2009	0	0	0	0	34	115	83	118	44	0	0	0	394	34	316	44	0
2010	0	0	0	6	53	142	286	255	26	7	0	0	775	59	683	33	0
2011	0	0	0	0	23	125	332	186	16	6	0	0	688	23	643	22	0
2012	0	0	15	0	80	176	425	170	22	0	0	0	888	95	771	22	0
2013	0	0	0	0	42	114	193	165	49	0	0	0	563	42	472	49	0
2014	0	0	0	0	34	159	114	174	22	0	0	0	503	34	447	22	0
2015	0	0	0	0	44	99	155	143	110	6	0	0	557	44	397	116	0
2016	0	0	0	0	33	146	228	227	92	10	0	0	736	33	601	102	0
2017	0	0	0	0	19	144	193	110	69	10	0	0	545	19	447	79	0
2018	0	0	0	0	100	144	217	204	63	0	0	0	728	100	565	63	0
2019	0	0	0	0	15	99	295	135	78	0	0	0	622	15	529	78	0
2020	0	0	0	0	22	161	304	194	20	0	0	0	701	22	659	20	0
2021	0	0	0	0	30	217	209	235	66	18	0	0	775	30	661	84	0
2022	0	0	0	0	58	135	223	172	42	0	0	0	630	58	530	42	0
2023	0	0	0	0	41	140	223							41			

Multi-year Statistics

Interval/	1895	2021															
AVE	0.0	0.0	0.1	0.3	36.0	121.7	216.1	165.5	35.8	3.4	0.0	0.0	578.8	36.4	503.1	39.2	0.0
MEDIAN	0.0	0.0	0.0	0.0	28.0	115.0	209.0	167.0	27.0	0.0	0.0	0.0	568.0	28.0	500.0	31.0	0.0

Cooling Degree Day Units - base 65°F: South central Wisconsin

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	MAM	JJA	SON	DJF
STD	0.00	0.00	1.33	1.34	25.35	48.12	66.34	54.58	25.75	6.05	0.00	0.00	133.71	25.93	119.25	27.23	0.00
MAX	0	0	15	9	127	295	425	345	119	34	0	0	900	132	778	129	0
MIN	0	0	0	0	5	29	83	51	0	0	0	0	246	5	198	0	0
Count	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127

Interval/	1901	2000															
AVE	0.0	0.0	0.0	0.3	34.6	117.1	213.1	160.7	31.7	3.2	0.0	0.0	560.7	34.9	490.8	34.9	0.0
MEDIAN	0.0	0.0	0.0	0.0	26.5	112.0	209.0	160.0	24.0	0.0	0.0	0.0	547.0	26.5	478.5	27.5	0.0
STD	0.00	0.00	0.00	1.31	24.88	50.16	64.70	55.02	22.91	6.05	0.00	0.00	133.83	25.11	119.86	24.15	0.00
MAX	0	0	0	9	117	295	422	345	119	34	0	0	900	123	778	129	0
MIN	0	0	0	0	5	29	101	51	0	0	0	0	246	5	198	0	0

Interval/	1951	2000															
AVE	0.0	0.0	0.0	0.3	37.0	119.4	204.6	159.7	27.3	3.1	0.0	0.0	551.3	37.3	483.7	30.3	0.0
MEDIAN	0.0	0.0	0.0	0.0	29.0	117.5	202.0	158.0	24.5	0.0	0.0	0.0	527.5	29.0	465.5	26.0	0.0
STD	0.00	0.00	0.00	1.35	25.62	40.51	55.85	55.47	16.67	6.41	0.00	0.00	114.79	26.18	106.81	18.75	0.00
MAX	0	0	0	6	117	197	350	327	78	34	0	0	878	123	770	89	0
MIN	0	0	0	0	8	29	101	70	0	0	0	0	299	8	253	0	0

Interval/	1991	2020															
AVE	0.0	0.0	0.5	0.2	38.3	132.4	218.1	173.4	43.2	2.8	0.0	0.0	608.9	39.0	524.0	46.0	0.0
MEDIAN	0.0	0.0	0.0	0.0	33.5	133.5	207.5	177.0	32.5	0.0	0.0	0.0	624.5	33.5	530.5	37.5	0.0
STD	0.0	0.0	2.7	1.1	24.0	35.1	75.2	54.7	28.8	4.4	0.0	0.0	136.0	25.1	126.5	30.9	0.0
MAX	0	0	15	6	100	230	425	327	110	17	0	0	888	100	771	116	0
MIN	0	0	0	0	8	79	83	73	0	0	0	0	299	8	253	0	0

Interval/	1981	2010															
AVE	0.0	0.0	0.0	0.4	37.2	127.9	213.8	172.2	34.1	1.9	0.0	0.0	587.5	37.6	514.0	36.0	0.0
MEDIAN	0.0	0.0	0.0	0.0	33.0	124.5	207.5	170.0	28.0	0.0	0.0	0.0	556.0	33.0	504.0	30.5	0.0
STD	0.0	0.0	0.0	1.4	23.0	41.0	61.3	63.2	22.6	3.9	0.0	0.0	139.4	23.4	130.9	24.3	0.0
MAX	0	0	0	6	87	230	319	327	100	17	0	0	878	87	770	106	0
MIN	0	0	0	0	8	40	83	73	0	0	0	0	299	8	253	0	0

Interval/	1971	2000															
AVE	0.0	0.0	0.0	0.4	38.9	123.0	210.3	159.9	28.4	2.3	0.0	0.0	563.1	39.3	493.1	30.7	0.0
MEDIAN	0.0	0.0	0.0	0.0	32.5	118.0	206.0	151.5	25.0	0.0	0.0	0.0	538.0	32.5	457.5	25.0	0.0
STD	0.0	0.0	0.0	1.4	27.0	40.3	55.4	58.7	18.9	4.9	0.0	0.0	120.8	27.8	114.9	21.3	0.0
MAX	0	0	0	6	117	197	319	327	78	22	0	0	878	123	770	89	0
MIN	0	0	0	0	8	40	101	73	0	0	0	0	299	8	253	0	0

Interval/	1961	1990															
AVE	0.0	0.0	0.0	0.4	37.4	116.9	210.1	153.1	26.2	3.3	0.0	0.0	547.3	37.7	480.1	29.5	0.0
MEDIAN	0.0	0.0	0.0	0.0	26.5	117.5	208.5	145.0	24.0	0.0	0.0	0.0	522.5	26.5	457.5	24.5	0.0
STD	0.0	0.0	0.0	1.4	27.2	38.1	51.1	48.4	15.6	7.5	0.0	0.0	101.5	28.0	95.7	18.3	0.0
MAX	0	0	0	6	117	197	316	289	73	34	0	0	878	123	769	89	0
MIN	0	0	0	0	9	29	114	70	7	0	0	0	350	9	327	7	0

Interval/	1951	1980															
AVE	0.0	0.0	0.0	0.4	35.6	114.6	199.7	156.1	27.2	4.2	0.0	0.0	537.8	36.0	470.4	31.4	0.0
MEDIAN	0.0	0.0	0.0	0.0	26.0	115.0	196.5	160.0	24.5	0.0	0.0	0.0	537.0	26.0	471.5	27.5	0.0
STD	0.0	0.0	0.0	1.5	26.0	39.2	53.0	45.9	16.3	7.8	0.0	0.0	91.7	26.7	82.6	18.7	0.0
MAX	0	0	0	6	117	195	350	280	73	34	0	0	798	123	706	89	0
MIN	0	0	0	0	9	29	114	70	7	0	0	0	350	9	314	7	0

Interval/	1941	1970															
AVE	0.0	0.0	0.0	0.2	32.4	114.1	197.5	166.5	27.0	4.9	0.0	0.0	542.4	32.6	478.0	31.8	0.0
MEDIAN	0.0	0.0	0.0	0.0	23.0	115.0	194.0	166.5	24.0	0.0	0.0	0.0	526.5	23.0	486.5	28.0	0.0
STD	0.0	0.0	0.0	1.1	22.7	41.5	52.5	57.0	16.1	8.3	0.0	0.0	110.4	22.9	98.0	18.3	0.0
MAX	0	0	0	6	80	176	350	345	70	34	0	0	798	80	706	78	0
MIN	0	0	0	0	8	29	114	70	5	0	0	0	350	8	300	7	0

Interval/	1931	1960															
AVE	0.0	0.0	0.0	0.2	34.3	126.6	225.8	181.2	36.0	4.3	0.0	0.0	608.4	34.5	533.6	40.3	0.0
MEDIAN	0.0	0.0	0.0	0.0	25.0	115.5	228.0	176.5	29.0	0.0	0.0	0.0	627.5	25.0	544.0	34.0	0.0
STD	0.0	0.0	0.0	1.1	25.0	58.8	63.3	58.4	26.0	6.6	0.0	0.0	135.1	25.1	112.2	26.7	0.0
MAX	0	0	0	6	104	295	369	345	119	30	0	0	846	104	710	129	0
MIN	0	0	0	0	8	40	124	79	5	0	0	0	351	8	300	7	0

Interval/	1921	1950															
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Cooling Degree Day Units - base 65°F: South central Wisconsin

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	MAM	JJA	SON	DJF
AVE	0.0	0.0	0.0	0.0	34.0	124.4	228.7	172.2	39.1	4.2	0.0	0.0	602.6	34.0	525.3	43.3	0.0
MEDIAN	0.0	0.0	0.0	0.0	25.0	115.5	231.0	173.0	26.0	0.0	0.0	0.0	623.5	25.0	543.5	33.0	0.0
STD	0.0	0.0	0.0	0.0	26.1	63.4	65.7	55.1	28.7	6.3	0.0	0.0	150.4	26.1	125.0	29.1	0.0
MAX	0	0	0	0	104	295	391	345	119	30	0	0	900	104	778	129	0
MIN	0	0	0	0	6	40	114	79	0	0	0	0	305	6	288	7	0

Interval/	1911	1940															
AVE	0.0	0.0	0.0	0.3	35.3	122.3	233.6	160.7	39.0	3.2	0.0	0.0	594.4	35.6	516.5	42.3	0.0
MEDIAN	0.0	0.0	0.0	0.0	27.5	112.0	234.0	163.5	29.5	0.0	0.0	0.0	596.0	27.5	524.5	32.0	0.0
STD	0.0	0.0	0.0	1.6	26.7	66.9	72.7	51.0	28.4	4.6	0.0	0.0	157.7	26.5	134.2	29.0	0.0
MAX	0	0	0	9	104	295	391	292	119	16	0	0	900	104	778	129	0
MIN	0	0	0	0	6	37	105	51	0	0	0	0	246	6	198	6	0

Interval/	1901	1930															
AVE	0.0	0.0	0.0	0.3	30.4	103.5	210.6	146.9	34.2	2.5	0.0	0.0	528.4	30.7	461.0	36.7	0.0
MEDIAN	0.0	0.0	0.0	0.0	26.0	95.5	187.0	147.5	24.0	0.0	0.0	0.0	517.0	26.0	436.5	26.0	0.0
STD	0.0	0.0	0.0	1.6	21.0	51.6	76.4	45.2	25.0	4.2	0.0	0.0	144.0	20.8	131.9	25.3	0.0
MAX	0	0	0	9	87	227	422	241	89	16	0	0	900	87	778	89	0
MIN	0	0	0	0	5	37	105	51	0	0	0	0	246	5	198	6	0

Data as of 4 Aug 2023