

Wisconsin State Climatology Office

Modified Growing Degree Day Units [Base 50°F/Ceiling 86°F]: South central Wisconsin

Data Source: Midwestern Regional Climate Center

Jan 1895 -Dec 2023

SPRING SUMMER FALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	MAM	JJA	SON
1895	0	3	25	191	385	589	606	639	516	113	33	0	3100	601	1834	662
1896	0	5	13	255	482	553	647	624	292	123	40	4	3038	750	1824	455
1897	3	0	11	98	295	495	704	517	534	253	20	0	2930	404	1716	807
1898	0	0	25	116	302	556	653	587	439	129	26	0	2833	443	1796	594
1899	0	0	2	236	347	578	672	665	357	280	44	0	3181	585	1915	681
1900	0	0	2	197	410	514	623	761	433	326	19	0	3285	609	1898	778
1901	0	0	7	172	320	602	788	639	382	227	24	0	3161	499	2029	633
1902	0	0	43	153	389	426	678	529	311	199	71	0	2799	585	1633	581
1903	0	0	64	134	389	431	638	521	379	189	35	0	2780	587	1590	603
1904	0	0	6	82	326	485	607	525	391	174	54	0	2650	414	1617	619
1905	0	0	65	120	291	511	596	631	449	179	26	0	2868	476	1738	654
1906	4	0	0	184	348	495	616	684	501	173	29	0	3034	532	1795	703
1907	0	0	84	46	204	469	653	554	353	138	3	0	2504	334	1676	494
1908	0	0	31	158	343	493	653	582	519	213	51	0	3043	532	1728	783
1909	2	0	0	55	307	510	630	678	381	142	91	0	2796	362	1818	614
1910	0	0	173	221	243	544	713	640	375	254	3	0	3166	637	1897	632
1911	0	0	44	119	497	630	678	601	398	126	11	2	3106	660	1909	535
1912	0	0	0	165	357	466	645	555	423	197	37	1	2846	522	1666	657
1913	0	2	34	190	311	586	667	646	405	184	56	3	3084	535	1899	645
1914	1	0	19	173	408	534	713	630	416	274	47	0	3215	600	1877	737
1915	0	0	2	307	211	412	558	461	414	208	57	0	2630	520	1431	679
1916	0	0	22	121	326	384	785	680	378	174	41	11	2922	469	1849	593
1917	0	0	24	80	244	413	667	554	350	59	55	0	2446	348	1634	464
1918	0	1	84	79	439	505	619	699	284	248	42	0	3000	602	1823	574
1919	0	0	32	122	299	652	734	614	469	198	5	0	3125	453	2000	672
1920	0	0	61	62	318	575	605	587	499	336	11	4	3058	441	1767	846
1921	0	10	68	225	421	681	813	648	501	157	5	1	3530	714	2142	663
1922	0	0	20	126	436	583	627	654	471	251	44	0	3212	582	1864	766
1923	0	0	6	138	325	617	717	579	403	162	27	1	2975	469	1913	592
1924	0	0	3	117	200	434	583	576	283	300	53	0	2549	320	1593	636
1925	0	5	47	238	297	566	636	639	495	53	19	0	2995	582	1841	567
1926	0	0	10	123	362	421	647	644	379	145	16	0	2747	495	1712	540
1927	0	2	44	118	251	455	631	524	492	241	28	0	2786	413	1610	761
1928	0	0	58	89	387	421	695	641	357	234	23	0	2905	534	1757	614
1929	0	0	41	171	303	476	685	588	386	158	6	0	2814	515	1749	550
1930	0	27	27	175	363	550	706	667	460	173	93	0	3241	565	1923	726
1931	0	0	4	186	283	627	752	637	558	234	104	1	3386	473	2016	896
1932	0	15	9	110	366	610	699	659	402	137	19	2	3028	485	1968	558
1933	1	3	9	107	335	721	712	601	513	168	22	1	3193	451	2034	703
1934	0	2	7	144	506	668	740	608	362	231	48	0	3316	657	2016	641
1935	0	0	38	102	226	432	791	659	417	193	11	0	2869	366	1882	621
1936	0	0	40	116	476	491	759	703	473	158	17	4	3237	632	1953	648
1937	0	0	2	87	350	510	729	747	442	149	37	0	3053	439	1986	628
1938	0	0	110	195	321	507	713	703	391	288	69	0	3297	626	1923	748
1939	2	0	56	120	462	593	719	648	513	230	42	7	3392	638	1960	785
1940	0	0	13	95	286	545	702	607	431	233	28	0	2940	394	1854	692
1941	0	0	3	235	447	553	690	661	484	209	57	4	3343	685	1904	750
1942	0	0	23	275	319	540	677	625	393	217	45	0	3114	617	1842	655
1943	0	1	45	119	294	607	730	674	327	193	4	1	2995	458	2011	524
1944	7	0	6	101	455	609	663	647	441	226	56	0	3211	562	1919	723
1945	0	0	165	141	241	431	616	631	381	176	47	0	2829	547	1678	604
1946	0	1	115	214	276	534	682	570	416	283	28	19	3138	605	1786	727
1947	0	0	8	102	223	462	636	796	499	378	14	0	3118	333	1894	891
1948	0	0	51	238	289	511	717	667	509	178	39	4	3203	578	1895	726
1949	1	0	30	166	391	635	748	662	320	299	57	8	3317	587	2045	676
1950	2	0	4	65	337	524	592	518	377	290	29	0	2738	406	1634	696
1951	0	0	5	94	403	443	637	542	341	213	13	12	2703	502	1622	567
1952	0	0	9	216	314	601	734	599	425	164	74	0	3136	539	1934	663
1953	2	0	33	70	344	605	705	654	432	322	101	2	3270	447	1964	855
1954	0	10	13	211	257	626	692	596	439	208	56	0	3108	481	1914	703
1955	0	0	31	247	414	477	794	732	455	233	15	0	3398	692	2003	703
1956	0	0	5	131	336	629	619	641	377	323	69	3	3133	472	1889	769
1957	0	5	19	184	283	549	708	633	383	173	15	1	2953	486	1890	571

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YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	MAM	JJA	SON
1958	0	2	9	153	402	417	622	657	439	265	74	0	3040	564	1696	778
1959	0	0	11	136	467	585	646	749	474	117	15	2	3202	614	1980	606
1960	0	0	10	199	305	476	622	664	466	205	48	8	3003	514	1762	719
1961	1	1	27	77	300	544	663	648	460	217	35	8	2981	404	1855	712
1962	0	0	22	164	461	543	581	637	352	263	19	16	3058	647	1761	634
1963	0	0	71	200	312	595	700	588	416	396	63	1	3342	583	1883	875
1964	1	1	13	165	471	574	702	569	418	197	118	0	3229	649	1845	733
1965	0	0	0	101	453	511	644	576	371	205	58	6	2925	554	1731	634
1966	0	0	40	98	270	566	712	574	382	201	44	1	2888	408	1852	627
1967	4	0	54	137	262	568	609	504	393	185	11	4	2731	453	1681	589
1968	0	0	108	185	279	539	650	645	408	244	28	2	3088	572	1834	680
1969	0	0	24	165	372	396	672	685	424	169	23	0	2930	561	1753	616
1970	0	0	2	181	407	563	702	654	425	220	10	10	3174	590	1919	655
1971	0	0	16	179	330	649	601	582	511	352	55	0	3275	525	1832	918
1972	0	0	10	110	418	501	631	635	415	146	6	0	2872	538	1767	567
1973	4	0	60	128	248	594	715	683	419	298	21	7	3177	436	1992	738
1974	0	0	21	200	268	463	704	576	348	209	39	0	2828	489	1743	596
1975	1	0	2	77	434	566	686	659	330	284	122	13	3174	513	1911	736
1976	0	15	70	205	300	577	693	588	384	142	10	0	2984	575	1858	536
1977	0	0	80	289	544	501	721	534	385	157	52	0	3263	913	1756	594
1978	0	0	23	123	374	545	634	633	502	161	69	0	3064	520	1812	732
1979	0	0	14	115	344	535	653	578	440	175	34	2	2890	473	1766	649
1980	0	0	4	153	398	512	714	661	408	131	29	1	3011	555	1887	568
1981	1	16	65	191	318	547	638	612	349	149	57	0	2943	574	1797	555
1982	0	0	16	119	431	408	688	565	374	219	30	18	2868	566	1661	623
1983	0	2	42	92	230	554	758	714	397	184	39	0	3012	364	2026	620
1984	0	13	0	110	276	581	623	667	389	234	28	9	2930	386	1871	651
1985	0	0	34	271	418	476	657	540	430	169	8	0	3003	723	1673	607
1986	0	0	79	204	364	517	707	507	400	171	11	0	2960	647	1731	582
1987	0	0	62	206	429	621	737	584	381	98	53	0	3171	697	1942	532
1988	0	0	31	158	445	597	717	701	438	107	26	1	3221	634	2015	571
1989	3	0	41	124	335	508	669	591	370	228	17	0	2886	500	1768	615
1990	0	4	58	193	246	543	627	612	446	171	79	0	2979	497	1782	696
1991	0	0	52	188	478	623	665	622	397	165	20	3	3213	718	1910	582
1992	0	1	27	82	368	471	528	474	355	161	4	0	2471	477	1473	520
1993	0	0	18	100	343	480	660	652	258	166	14	0	2691	461	1792	438
1994	0	1	27	168	363	588	616	514	440	207	33	4	2961	558	1718	680
1995	0	0	65	78	287	612	707	787	348	190	3	0	3077	430	2106	541
1996	3	5	15	106	231	514	562	613	391	178	9	0	2627	352	1689	578
1997	1	1	34	119	217	552	636	508	388	228	1	0	2685	370	1696	617
1998	1	7	66	147	426	526	674	673	475	193	64	26	3278	639	1873	732
1999	0	11	48	145	381	565	771	561	376	187	100	5	3150	574	1897	663
2000	1	29	95	141	364	499	623	634	407	264	35	0	3092	600	1756	706
2001	0	0	6	209	352	513	696	658	345	157	113	17	3066	567	1867	615
2002	7	5	11	169	261	578	749	644	481	116	24	3	3048	441	1971	621
2003	2	2	55	167	268	488	651	683	401	197	34	0	2948	490	1822	632
2004	0	5	53	170	312	477	597	480	480	175	37	3	2789	535	1554	692
2005	0	0	37	204	277	664	679	640	515	227	59	0	3302	518	1983	801
2006	1	2	22	198	340	511	724	634	326	117	51	1	2927	560	1869	494
2007	0	0	91	140	424	569	656	659	463	280	22	0	3304	655	1884	765
2008	2	0	3	144	277	540	664	594	401	169	54	0	2848	424	1798	624
2009	0	3	53	126	315	515	502	546	412	75	63	1	2611	494	1563	550
2010	0	0	71	226	389	562	751	714	362	252	53	0	3380	686	2027	667
2011	0	1	13	96	306	522	774	628	325	222	40	2	2929	415	1924	587
2012	3	0	233	135	423	603	801	601	394	148	37	14	3392	791	2005	579
2013	3	0	1	96	350	513	626	594	432	176	18	0	2809	447	1733	626
2014	0	0	12	99	340	571	536	624	362	138	12	0	2694	451	1731	512
2015	0	0	48	164	360	498	603	567	513	186	86	14	3039	572	1668	785
2016	0	8	55	136	360	561	684	684	478	243	102	0	3311	551	1929	823
2017	0	42	26	179	271	559	649	516	459	226	14	8	2949	476	1724	699
2018	1	4	5	81	451	558	662	656	444	123	0	0	2985	537	1876	567
2019	0	0	17	128	251	489	742	569	463	127	1	7	2794	396	1800	591
2020	0	0	15	97	295	592	740	626	326	123	97	5	2916	407	1958	546
2021	0	0	58	168	340	641	650	680	454	280	34	10	3315	566	1971	768
2022	0	1	38	76	379	531	666	611	411	194	74	2	2983	493	1808	679
2023	0	0	7	160	366	546	658	624	469	215	48	5	3098	533	1828	732

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YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	MAM	JJA	SON
Multi-year Statistics																
Interval/	1895	2022														
AVE	0.5	2.1	35.5	149.4	344.4	537.6	673.3	620.3	414.1	200.4	39.1	2.6	3019.2	529.2	1831.2	653.6
MEDIAN	0.0	0.0	25.5	141.0	340.0	543.0	670.5	631.0	409.5	193.0	34.5	0.0	3020.0	532.0	1847.0	638.5
STD	1.2	5.8	36.2	53.3	73.8	66.1	58.2	63.2	58.6	62.1	27.6	4.7	216.9	102.5	131.7	94.1
MAX	7.0	42.0	233.0	307.0	544.0	721.0	813.0	796.0	558.0	396.0	122.0	26.0	3530.0	913.0	2142.0	918.0
MIN	0.0	0.0	0.0	46.0	200.0	384.0	502.0	461.0	258.0	53.0	0.0	0.0	2446.0	320.0	1431.0	438.0
Count	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128
Interval/	1901	2000														
AVE	0.4	1.9	35.4	148.2	345.2	534.7	674.8	620.0	411.8	204.8	37.9	2.4	3017.5	528.7	1829.5	654.6
MEDIAN	0.0	0.0	27.0	139.5	336.5	541.5	675.5	632.0	406.0	197.0	33.5	0.0	3031.0	532.0	1847.0	643.0
STD	1.1	5.1	33.4	54.5	77.3	70.6	55.7	63.9	56.5	60.9	27.0	4.7	218.6	102.9	134.6	92.7
MAX	7.0	29.0	173.0	307.0	544.0	721.0	813.0	796.0	558.0	396.0	122.0	26.0	3530.0	913.0	2142.0	918.0
MIN	0.0	0.0	0.0	46.0	200.0	384.0	528.0	461.0	258.0	53.0	1.0	0.0	2446.0	320.0	1431.0	438.0
Interval/	1951	2000														
AVE	0.5	2.5	33.6	152.7	354.4	540.6	668.6	616.1	404.6	204.9	39.1	3.3	3021.0	540.7	1825.4	648.6
MEDIAN	0.0	0.0	27.0	150.0	353.5	546.0	667.0	617.5	403.5	195.0	31.5	0.5	3011.5	538.5	1833.0	630.5
STD	1.0	5.5	26.6	50.9	76.7	58.9	52.2	65.2	45.8	60.2	30.0	5.5	192.8	105.4	118.7	92.6
MAX	4.0	29.0	108.0	289.0	544.0	649.0	794.0	787.0	511.0	396.0	122.0	26.0	3398.0	913.0	2106.0	918.0
MIN	0.0	0.0	0.0	70.0	217.0	396.0	528.0	474.0	258.0	98.0	1.0	0.0	2471.0	352.0	1473.0	438.0
Interval/	1991	2020														
AVE	0.8	4.2	42.5	141.3	336.0	543.8	664.3	611.8	407.2	180.5	40.0	3.8	2976.2	519.7	1819.9	627.8
MEDIAN	0.0	1.0	30.5	140.5	341.5	546.0	663.0	625.0	401.0	177.0	34.5	0.5	2955.0	506.0	1844.5	619.0
STD	1.5	9.0	43.5	40.4	64.7	47.2	73.6	69.3	61.5	47.8	32.7	6.2	242.1	103.9	145.2	92.5
MAX	7.0	42.0	233.0	226.0	478.0	664.0	801.0	787.0	515.0	280.0	113.0	26.0	3392.0	791.0	2106.0	823.0
MIN	0.0	0.0	1.0	78.0	217.0	471.0	502.0	474.0	258.0	75.0	0.0	0.0	2471.0	352.0	1473.0	438.0
Interval/	1981	2010														
AVE	0.7	3.6	42.6	156.5	338.8	540.0	664.4	612.8	399.8	181.1	38.0	3.0	2981.4	537.9	1817.1	619.0
MEDIAN	0.0	1.0	41.5	152.5	341.5	541.5	664.5	617.5	397.0	176.5	33.5	0.0	2970.0	546.5	1810.0	618.5
STD	1.5	6.2	25.1	45.8	70.6	54.1	63.5	73.9	52.4	47.8	27.4	6.2	219.5	105.7	148.6	78.1
MAX	7.0	29.0	95.0	271.0	478.0	664.0	771.0	787.0	515.0	280.0	113.0	26.0	3380.0	723.0	2106.0	801.0
MIN	0.0	0.0	0.0	78.0	217.0	408.0	502.0	474.0	258.0	75.0	1.0	0.0	2471.0	352.0	1473.0	438.0
Interval/	1971	2000														
AVE	0.5	3.5	39.2	150.7	353.6	540.8	667.2	608.7	398.4	190.8	35.6	3.0	2991.9	543.5	1816.7	624.8
MEDIAN	0.0	0.0	34.0	143.0	363.5	544.0	667.0	612.0	394.0	176.5	29.5	0.0	2993.5	531.5	1794.5	611.0
STD	1.0	6.7	25.6	52.6	79.6	54.0	54.0	68.3	50.0	54.4	29.0	6.0	196.7	119.9	127.0	90.1
MAX	4.0	29.0	95.0	289.0	544.0	649.0	771.0	787.0	511.0	352.0	122.0	26.0	3278.0	913.0	2106.0	918.0
MIN	0.0	0.0	0.0	77.0	217.0	408.0	528.0	474.0	258.0	98.0	1.0	0.0	2471.0	352.0	1473.0	438.0
Interval/	1961	1990														
AVE	0.5	1.7	36.3	157.3	357.9	539.8	673.6	610.1	405.5	202.7	39.8	3.3	3028.6	551.5	1823.5	648.0
MEDIAN	0.0	0.0	29.0	161.0	354.0	544.5	679.0	601.5	404.0	191.0	32.0	0.5	2993.5	554.5	1822.0	625.0
STD	1.1	4.4	28.0	51.7	80.3	54.5	42.8	54.3	40.9	65.3	28.8	5.1	149.4	110.6	94.7	88.5
MAX	4.0	16.0	108.0	289.0	544.0	649.0	758.0	714.0	511.0	396.0	122.0	18.0	3342.0	913.0	2026.0	918.0
MIN	0.0	0.0	0.0	77.0	230.0	396.0	581.0	504.0	330.0	98.0	6.0	0.0	2731.0	364.0	1661.0	532.0
Interval/	1951	1980														
AVE	0.4	1.1	26.9	156.4	359.0	541.7	672.2	622.5	414.1	219.2	44.2	3.3	3061.0	542.3	1836.4	677.4
MEDIAN	0.0	0.0	17.5	158.5	344.0	547.0	679.0	634.0	417.0	206.5	37.0	1.0	3061.0	531.5	1848.5	659.0
STD	1.1	3.3	26.4	51.9	76.2	61.2	46.6	54.9	43.9	67.0	31.3	4.5	170.9	97.2	95.4	94.9
MAX	4.0	15.0	108.0	289.0	544.0	649.0	794.0	749.0	511.0	396.0	122.0	16.0	3398.0	913.0	2003.0	918.0
MIN	0.0	0.0	0.0	70.0	248.0	396.0	581.0	504.0	330.0	117.0	6.0	0.0	2703.0	404.0	1622.0	536.0
Interval/	1941	1970														
AVE	0.6	0.7	31.9	159.0	346.1	540.4	672.2	633.3	414.2	232.3	42.2	3.7	3076.6	537.0	1845.9	688.7
MEDIAN	0.0	0.0	20.5	164.5	327.5	546.5	674.5	643.0	417.0	215.0	41.5	1.5	3111.0	557.5	1869.0	688.0
STD	1.5	2.0	37.6	55.5	74.7	64.1	48.8	62.6	47.6	62.7	27.3	5.0	181.7	86.9	111.5	87.1
MAX	7.0	10.0	165.0	275.0	471.0	635.0	794.0	796.0	509.0	396.0	118.0	19.0	3398.0	692.0	2045.0	891.0
MIN	0.0	0.0	0.0	65.0	223.0	396.0	581.0	504.0	320.0	117.0	4.0	0.0	2703.0	333.0	1622.0	524.0

Modified Growing Degree Day Units [Base 50°F/Ceiling 80°F]: South central Wisconsin

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	MAM	JJA	SON
Interval/ 1931 1960																
AVE	0.5	1.3	29.4	152.0	346.9	550.6	694.9	649.7	429.3	223.1	41.8	2.6	3122.1	528.3	1895.1	694.2
MEDIAN	0.0	0.0	12.0	138.5	335.5	547.0	703.5	651.0	431.5	215.0	40.5	1.0	3134.5	526.5	1916.5	699.5
STD	1.4	3.3	37.6	56.9	77.7	75.9	52.0	58.6	57.7	60.1	25.9	4.3	184.5	94.2	114.9	91.0
MAX	7.0	15.0	165.0	275.0	506.0	721.0	794.0	796.0	558.0	378.0	104.0	19.0	3398.0	692.0	2045.0	896.0
MIN	0.0	0.0	2.0	65.0	223.0	417.0	592.0	518.0	320.0	117.0	4.0	0.0	2703.0	333.0	1622.0	524.0
Interval/ 1921 1950																
AVE	0.4	2.2	35.4	147.9	340.9	543.8	693.6	639.4	429.2	211.5	36.2	1.8	3082.4	524.3	1876.8	676.9
MEDIAN	0.0	0.0	25.0	124.5	330.0	542.5	700.5	645.5	424.0	213.0	28.5	0.0	3116.0	540.5	1899.5	669.5
STD	1.3	5.6	37.8	54.1	79.8	81.0	54.5	56.6	66.0	63.7	23.8	3.8	230.5	103.0	134.3	91.8
MAX	7.0	27.0	165.0	275.0	506.0	721.0	813.0	796.0	558.0	378.0	104.0	19.0	3530.0	714.0	2142.0	896.0
MIN	0.0	0.0	2.0	65.0	200.0	421.0	583.0	518.0	283.0	53.0	4.0	0.0	2549.0	320.0	1593.0	524.0
Interval/ 1911 1940																
AVE	0.1	2.2	31.1	140.0	345.5	535.5	690.9	625.3	425.5	196.6	35.8	1.3	3029.9	516.7	1851.7	657.9
MEDIAN	0.0	0.0	25.5	121.5	330.5	539.5	700.5	638.0	416.5	195.0	32.5	0.0	3040.5	517.5	1879.5	646.5
STD	0.4	5.6	26.5	53.0	81.4	90.7	60.3	57.5	64.7	63.1	24.1	2.4	250.3	98.1	152.7	95.0
MAX	2.0	27.0	110.0	307.0	506.0	721.0	813.0	747.0	558.0	336.0	104.0	11.0	3530.0	714.0	2142.0	896.0
MIN	0.0	0.0	0.0	62.0	200.0	384.0	558.0	461.0	283.0	53.0	5.0	0.0	2446.0	320.0	1431.0	464.0
Interval/ 1901 1930																
AVE	0.2	1.6	37.3	142.1	330.5	510.9	666.1	605.7	410.1	192.2	35.4	0.8	2932.9	509.9	1782.7	637.8
MEDIAN	0.0	0.0	31.5	130.0	325.5	500.0	653.0	622.0	400.5	186.5	32.0	0.0	2948.5	521.0	1781.0	632.5
STD	0.8	5.1	35.5	57.6	71.3	78.4	59.9	57.9	63.3	60.5	24.0	2.1	240.6	95.0	150.3	85.6
MAX	4.0	27.0	173.0	307.0	497.0	681.0	813.0	699.0	519.0	336.0	93.0	11.0	3530.0	714	2142	846
MIN	0.0	0.0	0.0	46.0	200.0	384.0	558.0	461.0	283.0	53.0	3.0	0.0	2446	320	1431	464

Data as of 3 Jan 2024