

Wisconsin State Climatology Office

Modified Growing Degree Day Units [Base 50°F/Ceiling 86°F]: Wisconsin (statewide)

Data Source: Midwestern Regional Climate Center

Jan 1895 -Sep 2023

SPRING SUMMER FALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	MAM	JJA	SON
1895	0	2	12	184	366	525	543	560	449	96	30	0	2768	562	1629	574
1896	0	4	6	190	430	524	586	574	257	113	13	1	2698	626	1685	382
1897	0	0	13	90	272	441	670	474	499	201	16	0	2677	375	1585	716
1898	0	0	16	112	299	508	617	538	404	106	18	0	2618	427	1663	528
1899	0	0	0	191	307	508	617	611	308	224	35	0	2801	498	1736	567
1900	0	0	2	196	375	489	572	724	373	286	15	0	3033	573	1785	675
1901	0	0	2	178	319	538	713	584	327	186	12	0	2858	499	1835	524
1902	0	0	41	129	357	397	639	484	280	156	31	0	2514	528	1520	467
1903	0	0	38	108	341	423	573	446	319	171	35	0	2454	487	1443	525
1904	0	0	1	82	301	448	533	469	330	136	47	0	2348	384	1450	514
1905	0	0	45	102	258	449	558	572	401	146	17	0	2547	406	1579	563
1906	1	0	0	170	297	471	579	626	454	147	16	0	2759	466	1676	616
1907	0	0	36	33	172	460	574	507	314	124	1	0	2221	241	1541	439
1908	0	0	11	143	302	455	603	528	484	182	26	0	2735	456	1587	692
1909	0	0	0	27	277	486	585	627	345	128	58	0	2533	304	1698	531
1910	0	0	147	200	228	534	640	559	326	219	0	0	2853	575	1733	545
1911	0	0	34	113	439	584	592	515	316	101	4	1	2698	586	1691	421
1912	0	0	1	143	310	425	586	458	371	174	24	0	2493	454	1469	569
1913	0	1	14	183	262	558	579	586	361	152	31	2	2729	460	1723	543
1914	0	0	8	125	365	456	667	536	361	254	25	0	2796	498	1659	639
1915	0	0	0	264	194	362	491	430	347	165	31	0	2284	459	1283	542
1916	0	0	11	88	276	350	745	610	323	143	26	3	2575	375	1705	492
1917	0	0	6	61	236	370	606	476	304	40	45	0	2144	303	1452	389
1918	0	0	65	88	369	446	566	594	234	182	29	0	2572	522	1606	444
1919	0	0	18	93	292	593	653	530	396	129	3	0	2708	403	1776	529
1920	0	0	40	45	307	513	531	526	428	294	3	1	2687	392	1569	725
1921	0	4	38	193	382	617	750	576	425	144	2	0	3131	613	1943	570
1922	0	0	7	99	396	504	548	586	424	201	27	0	2792	502	1638	652
1923	0	0	4	122	314	565	660	494	361	149	24	1	2694	439	1719	534
1924	0	0	1	78	166	388	529	496	251	261	31	0	2201	245	1413	543
1925	0	1	44	204	276	491	567	589	415	41	15	0	2642	524	1647	470
1926	0	0	5	116	342	379	591	540	288	111	5	0	2377	463	1510	404
1927	0	0	27	103	211	415	532	452	415	190	8	0	2353	341	1399	613
1928	0	0	40	69	336	366	607	564	282	172	15	0	2452	446	1537	469
1929	0	0	20	132	270	436	622	534	331	149	3	0	2497	422	1592	483
1930	0	17	19	161	320	503	640	607	387	151	75	0	2879	500	1750	612
1931	0	2	1	174	278	571	671	551	484	202	68	0	3002	453	1793	753
1932	0	4	4	103	318	552	629	599	350	103	11	1	2675	425	1780	464
1933	0	1	5	98	320	662	671	550	457	136	12	0	2911	423	1884	604
1934	0	1	6	117	471	572	648	523	309	196	27	0	2871	594	1744	532
1935	0	0	16	91	224	378	745	589	345	151	3	0	2543	331	1712	499
1936	0	0	14	73	423	442	709	614	430	123	8	1	2838	510	1766	561
1937	0	0	1	65	334	475	672	701	385	107	18	0	2758	400	1847	510
1938	0	0	76	166	276	459	639	639	340	249	39	0	2883	518	1737	628
1939	0	0	40	111	421	504	660	578	428	158	31	6	2936	572	1741	617
1940	0	0	5	75	263	461	646	531	409	180	14	0	2584	343	1638	603
1941	0	0	2	214	400	516	640	577	405	158	33	3	2946	615	1733	596
1942	1	0	9	244	267	467	591	560	326	205	23	0	2694	520	1619	554
1943	0	0	27	100	277	545	677	607	279	170	2	0	2683	404	1828	451
1944	4	0	2	92	398	538	597	591	359	193	38	0	2811	492	1726	590
1945	0	0	121	108	209	380	550	564	330	145	22	0	2430	438	1495	498
1946	0	0	93	183	254	481	623	510	349	218	17	7	2735	530	1614	583
1947	0	0	5	66	200	410	602	726	416	322	10	0	2758	271	1738	748
1948	0	0	29	195	296	459	639	608	474	172	28	2	2902	519	1707	674
1949	0	0	9	151	367	586	682	618	293	240	38	2	2987	527	1886	571
1950	0	0	1	37	283	484	529	458	334	238	15	0	2379	321	1471	587
1951	0	0	2	71	376	395	583	470	279	155	5	4	2340	449	1447	439
1952	0	0	4	200	288	525	656	529	385	130	39	0	2756	492	1710	554
1953	0	0	15	49	319	531	613	601	374	297	81	0	2881	383	1744	752
1954	0	3	4	151	216	559	618	527	323	136	39	0	2577	371	1704	499
1955	0	0	17	205	380	457	738	673	385	190	4	0	3048	602	1868	578
1956	0	0	1	66	295	561	519	559	308	274	47	1	2631	362	1640	629
1957	0	1	9	167	273	479	661	555	326	143	7	0	2622	449	1695	476

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YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	MAM	JJA	SON
1958	0	3	6	136	338	377	551	572	371	198	49	0	2602	480	1500	619
1959	0	0	7	110	397	527	601	671	400	85	5	1	2804	515	1800	489
1960	0	0	7	146	284	416	573	606	391	175	22	3	2622	437	1595	588
1961	0	1	14	56	277	498	595	599	380	189	21	3	2633	347	1692	590
1962	0	0	9	120	390	463	520	559	296	211	8	13	2590	520	1543	515
1963	0	0	52	160	276	542	645	524	371	342	40	0	2952	488	1711	753
1964	0	1	6	141	413	509	658	498	337	159	76	0	2799	560	1666	572
1965	0	0	0	67	381	446	555	515	256	176	35	2	2433	448	1516	468
1966	0	0	27	67	243	523	673	502	348	161	13	0	2557	337	1698	522
1967	1	0	31	101	229	485	551	478	355	149	7	1	2388	361	1514	512
1968	0	0	88	154	241	464	594	576	352	205	15	1	2691	484	1634	572
1969	0	0	7	137	337	326	591	633	368	126	22	0	2547	480	1550	517
1970	0	0	0	147	321	529	662	589	365	176	7	3	2798	468	1780	547
1971	0	0	5	144	271	576	529	508	415	258	25	0	2731	420	1613	697
1972	0	0	2	83	387	449	560	556	321	113	3	0	2473	471	1565	437
1973	1	0	38	100	213	508	627	615	349	254	8	2	2715	351	1751	610
1974	0	0	10	151	232	405	651	512	269	159	26	0	2416	392	1569	455
1975	0	0	0	48	389	482	649	570	268	222	91	4	2724	438	1702	580
1976	0	7	34	162	282	535	638	561	356	126	5	0	2707	478	1734	487
1977	0	0	44	245	502	452	662	465	314	134	33	0	2850	790	1578	481
1978	0	0	16	84	363	471	557	571	428	126	51	0	2668	463	1600	604
1979	0	0	4	87	252	449	600	509	382	119	19	1	2420	342	1558	519
1980	0	0	3	149	378	456	644	573	322	94	16	0	2634	530	1673	431
1981	1	11	37	137	287	464	588	564	302	101	51	0	2543	461	1615	455
1982	0	0	7	96	380	356	636	505	312	155	14	9	2471	483	1497	482
1983	0	1	13	75	194	489	709	666	367	132	22	0	2669	282	1865	521
1984	0	4	0	104	253	510	571	618	300	179	13	3	2556	357	1699	492
1985	0	0	18	207	371	411	578	476	352	134	3	0	2549	597	1464	488
1986	0	0	59	167	343	461	639	462	319	130	6	0	2586	569	1562	455
1987	0	0	53	222	387	558	683	535	358	72	32	0	2902	663	1777	462
1988	0	0	11	133	427	561	676	637	361	87	10	0	2904	572	1874	458
1989	1	0	24	97	306	442	634	555	350	188	4	0	2600	427	1631	542
1990	0	1	43	175	237	488	569	551	380	132	54	0	2629	454	1608	566
1991	0	1	28	159	407	567	592	580	319	125	5	1	2783	593	1740	449
1992	0	0	8	66	340	403	446	442	301	132	1	0	2141	414	1291	435
1993	0	0	19	66	272	397	580	582	214	118	4	0	2251	356	1559	335
1994	0	1	17	121	332	534	549	466	394	168	19	1	2602	470	1550	581
1995	0	0	40	47	263	570	625	690	313	136	1	0	2684	350	1885	449
1996	1	1	5	73	228	460	504	563	338	141	4	0	2319	307	1528	483
1997	0	0	15	99	191	509	571	456	346	185	1	0	2374	305	1536	532
1998	0	1	39	164	415	466	613	609	451	159	32	18	2968	619	1687	642
1999	0	3	36	136	338	501	694	514	335	139	65	1	2762	509	1709	539
2000	0	15	79	120	330	427	565	564	337	214	25	0	2676	529	1556	576
2001	0	0	1	161	305	480	629	609	310	126	89	11	2721	467	1717	526
2002	2	1	4	127	226	520	701	564	410	75	14	1	2644	357	1784	498
2003	1	0	41	139	261	439	588	631	358	159	14	0	2632	441	1659	532
2004	0	2	23	132	246	413	542	431	448	145	23	1	2407	402	1387	616
2005	0	1	27	175	242	598	641	577	447	192	33	0	2934	444	1816	673
2006	1	0	13	188	319	489	694	570	283	98	29	0	2685	521	1753	410
2007	0	0	65	142	377	532	613	586	401	223	13	0	2951	583	1731	637
2008	0	0	1	105	244	460	605	545	355	137	41	0	2494	350	1609	534
2009	0	1	27	108	277	446	455	489	390	44	41	0	2277	411	1391	474
2010	0	0	65	204	355	471	677	660	285	201	36	0	2953	624	1808	521
2011	0	1	5	72	266	452	711	574	294	195	23	0	2591	342	1736	511
2012	1	0	180	117	374	545	731	548	344	108	27	6	2980	672	1824	478
2013	1	0	0	66	293	447	590	557	385	133	7	0	2479	359	1594	525
2014	0	0	7	59	292	508	507	547	313	95	5	0	2333	358	1562	413
2015	0	0	35	138	308	443	589	509	466	144	63	4	2699	481	1541	673
2016	0	4	39	113	326	493	627	613	399	177	85	0	2876	478	1733	661
2017	0	22	14	126	238	493	598	460	412	179	8	4	2554	378	1551	599
2018	0	2	2	66	434	515	622	593	389	69	0	0	2692	502	1730	458
2019	0	0	6	89	217	441	668	505	386	89	0	1	2402	312	1614	475
2020	0	0	6	76	274	526	680	583	286	86	81	1	2599	356	1789	453
2021	0	0	44	125	298	588	606	609	385	235	25	5	2920	467	1803	645
2022	0	0	16	45	327	483	612	557	369	166	55	0	2630	388	1652	590
2023	0	0	0	118	339	524	582	564	417					457	1670	

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YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	MAM	JJA	SON
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Multi-year Statistics

Interval/	1895	2022														
AVE	0.2	1.0	22.4	123.6	309.3	481.8	613.1	557.1	356.6	161.5	24.6	1.1	2652.2	455.3	1651.9	542.7
MEDIAN	0.0	0.0	13.0	118.5	301.4	481.6	612.3	560.9	353.8	154.9	21.4	0.0	2671.9	457.6	1664.3	531.8
STD	0.4	3.1	28.4	50.1	67.1	62.3	59.2	60.9	55.9	55.4	21.0	2.6	205.7	96.3	128.6	84.2
MAX	3.7	22.0	180.4	264.4	501.6	662.0	750.4	726.1	499.2	341.5	90.5	18.1	3130.9	790.2	1943.4	753.4
MIN	0.0	0.0	0.0	26.8	166.4	325.6	445.6	429.8	213.6	40.1	0.0	0.0	2140.8	240.6	1283.3	335.5
Count	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128

Interval/	1901	2000														
AVE	0.1	0.9	22.0	122.8	310.4	478.9	611.8	555.1	352.4	165.7	23.1	1.0	2644.3	455.2	1645.8	541.2
MEDIAN	0.0	0.0	12.3	116.2	304.1	473.0	606.2	559.9	348.6	156.9	18.8	0.0	2668.8	459.3	1652.8	533.1
STD	0.4	2.7	26.1	51.3	69.7	66.2	58.6	61.0	53.6	54.0	19.7	2.6	207.1	96.2	131.4	82.9
MAX	3.7	16.9	146.9	264.4	501.6	662.0	750.4	726.1	483.8	341.5	90.5	18.1	3130.9	790.2	1943.4	753.4
MIN	0.0	0.0	0.0	26.8	166.4	325.6	445.6	429.8	213.6	40.1	0.5	0.0	2140.8	240.6	1283.3	335.5

Interval/	1951	2000														
AVE	0.1	1.2	20.2	123.5	316.9	479.4	606.0	554.3	342.9	162.1	23.7	1.5	2631.6	460.5	1639.6	528.7
MEDIAN	0.0	0.0	13.6	127.2	319.9	480.5	600.3	559.4	348.3	152.0	17.1	0.2	2630.1	462.1	1632.3	517.9
STD	0.3	2.8	20.4	48.1	70.0	58.5	56.6	60.0	44.5	53.8	22.2	3.3	187.0	99.9	120.0	80.9
MAX	1.4	15.1	88.1	245.1	501.6	576.2	737.9	690.2	451.2	341.5	90.5	18.1	3048.3	790.2	1884.6	753.1
MIN	0.0	0.0	0.0	47.1	191.1	325.6	445.6	442.1	213.6	72.1	0.6	0.0	2140.8	282.3	1291.2	335.5

Interval/	1991	2020														
AVE	0.2	1.9	28.2	115.1	299.7	484.9	606.9	553.9	357.0	139.7	26.3	1.6	2615.4	443.0	1645.6	522.9
MEDIAN	0.0	0.4	17.9	118.5	292.5	484.3	608.6	564.0	350.6	137.9	20.7	0.1	2638.1	427.5	1673.1	523.0
STD	0.5	4.6	34.8	40.7	61.1	49.9	70.4	62.1	59.0	44.1	26.1	3.8	228.5	101.7	139.7	83.5
MAX	2.3	22.0	180.4	203.7	434.0	597.6	730.6	690.2	466.0	223.0	89.4	18.1	2980.1	671.7	1884.6	673.3
MIN	0.0	0.0	0.4	47.1	191.1	397.0	445.6	431.2	213.6	43.5	0.0	0.0	2140.8	305.3	1291.2	335.5

Interval/	1981	2010														
AVE	0.3	1.5	27.2	131.6	305.2	480.7	605.6	556.6	347.9	140.8	23.4	1.6	2622.2	463.9	1642.8	512.1
MEDIAN	0.0	0.4	23.5	132.9	305.8	475.5	608.6	563.7	347.9	136.4	16.5	0.0	2630.8	457.5	1644.6	509.7
STD	0.5	3.3	20.9	44.1	65.7	57.1	65.8	67.6	52.2	41.6	21.0	4.0	216.5	104.1	148.8	72.1
MAX	2.3	15.1	78.7	222.5	427.4	597.6	709.5	690.2	451.2	223.0	89.4	18.1	2968.3	662.7	1884.6	673.0
MIN	0.0	0.0	0.4	47.1	191.1	355.8	445.6	431.2	213.6	43.5	0.6	0.0	2140.8	282.3	1291.2	335.5

Interval/	1971	2000														
AVE	0.2	1.6	23.5	123.9	319.0	478.5	604.6	549.3	339.1	147.6	21.4	1.3	2610.2	466.5	1632.5	508.1
MEDIAN	0.0	0.0	17.9	120.3	331.1	468.4	606.0	558.8	337.7	133.8	15.0	0.0	2631.7	462.1	1610.7	487.9
STD	0.3	3.5	19.4	49.4	76.3	56.0	57.6	61.6	47.8	44.2	21.6	3.6	190.5	114.9	126.3	74.0
MAX	1.4	15.1	78.7	245.1	501.6	576.2	709.5	690.2	451.2	258.2	90.5	18.1	2968.3	790.2	1884.6	697.3
MIN	0.0	0.0	0.4	47.1	191.1	355.8	445.6	442.1	213.6	72.1	0.6	0.0	2140.8	282.3	1291.2	335.5

Interval/	1961	1990														
AVE	0.2	0.9	21.8	127.3	318.7	476.9	614.9	549.5	341.8	160.2	24.3	1.4	2637.9	467.8	1641.2	526.3
MEDIAN	0.0	0.0	13.6	135.0	313.4	476.9	630.7	555.5	350.7	152.1	17.4	0.1	2631.3	465.8	1622.9	516.0
STD	0.4	2.5	21.5	47.9	74.9	55.5	48.8	52.7	39.9	56.1	21.5	2.8	149.2	104.3	102.8	73.1
MAX	1.4	11.4	88.1	245.1	501.6	576.2	709.5	666.3	427.9	341.5	90.5	12.7	2951.9	790.2	1874.0	753.1
MIN	0.0	0.0	0.0	48.1	193.7	325.6	520.0	462.3	256.3	72.1	2.6	0.0	2387.9	282.3	1463.8	431.4

Interval/	1951	1980														
AVE	0.1	0.6	15.3	123.6	318.0	479.8	609.2	555.9	346.5	176.0	27.2	1.3	2653.7	456.9	1645.0	549.7
MEDIAN	0.0	0.0	7.0	136.6	306.9	480.5	606.8	559.4	353.8	160.3	21.4	0.3	2633.7	456.4	1652.7	534.7
STD	0.3	1.5	19.2	48.7	69.8	57.5	51.9	53.0	43.4	59.9	23.5	2.5	166.0	91.0	98.0	83.3
MAX	1.3	7.2	88.1	245.1	501.6	576.2	737.9	672.7	427.9	341.5	90.5	12.7	3048.3	790.2	1867.9	753.1
MIN	0.0	0.0	0.0	48.1	212.6	325.6	518.9	464.5	256.3	84.6	2.6	0.0	2339.5	336.8	1447.1	431.4

Interval/	1941	1970														
AVE	0.2	0.4	20.0	128.2	307.4	482.6	609.6	568.5	351.2	191.3	25.6	1.6	2686.6	455.6	1660.7	568.1
MEDIAN	0.0	0.0	7.9	136.6	291.3	484.6	601.3	568.1	353.8	175.8	21.9	0.4	2687.0	474.2	1693.3	571.3
STD	0.7	0.9	29.5	53.6	62.8	61.2	52.6	61.1	45.4	57.2	19.8	2.7	184.6	82.0	115.9	81.1
MAX	3.7	3.3	120.8	243.7	412.9	585.9	737.9	726.1	473.7	341.5	81.3	12.7	3048.3	614.7	1886.0	753.1
MIN	0.0	0.0	0.0	36.9	200.3	325.6	518.9	457.6	256.3	84.6	1.5	0.0	2339.5	271.4	1447.1	438.9

Modified Growing Degree Day Units [Base 50°F/Ceiling 80°F]: Wisconsin (statewide)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	MAM	JJA	SON
Interval/ 1931 1960																
AVE	0.2	0.5	17.9	125.5	314.8	492.4	631.1	581.9	368.1	181.6	25.2	1.1	2740.3	458.2	1705.4	574.9
MEDIAN	0.0	0.0	6.6	110.5	295.1	482.6	639.0	577.2	365.3	173.5	21.9	0.1	2756.7	451.3	1729.1	580.6
STD	0.7	1.1	28.3	53.8	68.4	68.7	54.7	60.1	53.7	55.7	19.1	1.8	181.0	85.9	116.1	82.3
MAX	3.7	4.1	120.8	243.7	471.0	662.0	745.1	726.1	483.6	322.4	81.3	7.5	3048.3	614.7	1886.0	753.4
MIN	0.0	0.0	0.8	36.9	200.3	376.9	518.9	457.6	278.8	84.6	1.5	0.0	2339.5	271.4	1447.1	438.9
Interval/ 1921 1950																
AVE	0.2	1.0	22.3	124.6	309.8	486.9	628.9	571.1	369.3	174.5	22.1	0.8	2711.5	456.7	1686.9	565.9
MEDIAN	0.0	0.0	9.2	109.5	304.9	482.6	639.0	576.4	360.3	171.1	17.5	0.0	2746.3	458.2	1722.5	570.7
STD	0.7	3.1	28.6	51.2	72.8	74.8	57.5	59.2	60.2	54.5	17.2	1.7	223.2	94.1	136.4	80.3
MAX	3.7	16.9	120.8	243.7	471.0	662.0	750.4	726.1	483.6	322.4	74.5	7.5	3130.9	614.7	1943.4	753.4
MIN	0.0	0.0	0.7	36.9	166.4	366.1	528.9	451.8	251.0	40.8	1.5	0.0	2200.9	244.7	1398.8	404.4
Interval/ 1911 1940																
AVE	0.0	1.0	19.0	118.4	313.1	479.8	625.1	552.5	365.2	160.2	21.9	0.5	2656.8	450.5	1657.5	547.3
MEDIAN	0.0	0.0	12.9	106.9	312.2	467.8	633.8	550.6	361.1	151.5	21.1	0.0	2690.3	453.8	1697.8	542.5
STD	0.1	3.1	19.5	48.5	72.2	84.1	65.4	58.0	59.7	56.7	17.7	1.2	233.3	86.5	149.3	86.3
MAX	0.4	16.9	76.2	264.4	471.0	662.0	750.4	700.8	483.6	294.4	74.5	5.6	3130.9	613.0	1943.4	753.4
MIN	0.0	0.0	0.4	44.7	166.4	350.1	491.3	429.8	233.6	40.1	1.6	0.0	2144.2	244.7	1283.3	389.2
Interval/ 1901 1930																
AVE	0.0	0.8	24.1	121.6	297.2	466.0	602.1	536.7	353.3	159.9	22.3	0.3	2584.2	442.9	1604.7	535.4
MEDIAN	0.0	0.0	16.1	114.3	301.4	455.4	589.0	535.1	345.7	151.5	24.3	0.0	2573.6	457.6	1598.8	532.4
STD	0.1	3.1	28.9	54.1	63.6	72.4	61.3	55.5	59.3	53.2	17.6	0.7	225.4	90.8	141.5	80.5
MAX	0.7	16.9	146.9	264.4	438.7	617.0	750.4	627.5	483.8	294.4	74.5	3.0	3130.9	613	1943.4	725.02
MIN	0.0	0.0	0.0	26.8	166.4	350.1	491.3	429.8	233.6	40.1	0.5	0.0	2144.2	240.58	1283.3	389.22

Data as of 5 Oct 2023