

Wisconsin State Climatology Office

Modified Growing Degree Day Units [Base 50°F/Ceiling 86°F]: Southeast 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	23	179	377	578	602	641	509	112	32	0	3056	579	1821	653
1896	0	5	11	242	458	540	639	621	294	116	45	3	2974	711	1800	455
1897	4	0	7	90	268	471	695	517	527	252	22	0	2853	365	1683	801
1898	0	0	24	104	281	532	647	599	441	137	27	0	2792	409	1778	605
1899	0	2	2	232	327	561	646	675	361	272	44	0	3122	561	1882	677
1900	0	1	2	184	389	487	615	754	436	319	20	0	3207	575	1856	775
1901	0	0	6	149	278	575	775	637	394	231	23	0	3068	433	1987	648
1902	0	0	40	142	364	415	670	525	304	196	77	0	2733	546	1610	577
1903	0	0	62	117	359	411	634	526	393	180	34	0	2716	538	1571	607
1904	0	0	6	67	303	468	604	521	384	174	54	0	2581	376	1593	612
1905	0	0	62	104	269	478	575	641	447	177	25	0	2778	435	1694	649
1906	6	0	0	163	330	488	623	696	504	167	27	0	3004	493	1807	698
1907	0	1	82	41	191	460	649	556	357	139	4	0	2480	314	1665	500
1908	0	0	32	143	317	490	655	594	526	206	50	0	3013	492	1739	782
1909	3	0	1	50	285	485	626	676	382	140	88	0	2736	336	1787	610
1910	0	0	164	193	214	535	714	637	369	258	4	0	3088	571	1886	631
1911	0	0	40	98	469	609	677	595	405	129	14	3	3039	607	1881	548
1912	0	0	0	154	337	446	630	554	429	198	39	2	2789	491	1630	666
1913	1	3	36	177	295	569	658	644	407	183	60	5	3038	508	1871	650
1914	2	0	18	157	390	513	703	630	409	273	52	0	3147	565	1846	734
1915	0	0	3	285	191	393	546	459	426	206	54	0	2563	479	1398	686
1916	1	0	20	109	309	366	780	684	375	172	39	12	2867	438	1830	586
1917	0	0	25	68	222	391	649	552	346	57	52	0	2362	315	1592	455
1918	0	0	82	72	412	485	606	702	287	247	39	1	2933	566	1793	573
1919	0	0	29	110	280	639	736	625	473	203	5	0	3100	419	2000	681
1920	0	0	61	52	284	548	588	576	502	334	14	6	2965	397	1712	850
1921	1	9	70	215	400	669	812	645	505	157	5	0	3488	685	2126	667
1922	0	0	22	119	410	574	631	651	478	244	40	0	3169	551	1856	762
1923	0	0	7	128	285	589	698	578	403	161	26	1	2876	420	1865	590
1924	0	0	4	103	187	416	577	568	279	287	53	0	2474	294	1561	619
1925	0	5	39	212	278	556	632	642	501	53	16	0	2934	529	1830	570
1926	0	0	10	113	335	403	631	635	383	144	13	0	2667	458	1669	540
1927	0	2	39	108	237	439	628	518	498	244	35	0	2748	384	1585	777
1928	1	0	51	80	349	393	681	639	355	226	25	0	2800	480	1713	606
1929	0	0	45	159	284	455	682	589	388	153	6	0	2761	488	1726	547
1930	0	25	26	152	343	548	698	678	463	169	86	0	3188	521	1924	718
1931	0	0	2	166	266	607	748	644	561	237	109	1	3341	434	1999	907
1932	0	17	8	90	337	600	698	666	408	141	21	4	2990	435	1964	570
1933	1	1	10	94	311	703	713	597	526	173	22	1	3152	415	2013	721
1934	1	1	4	138	478	639	722	615	361	218	47	0	3224	620	1976	626
1935	0	0	35	83	200	411	782	664	422	193	13	0	2803	318	1857	628
1936	0	0	37	106	455	463	747	700	477	163	19	4	3171	598	1910	659
1937	0	0	1	74	330	482	711	749	431	138	32	0	2948	405	1942	601
1938	0	1	107	185	299	488	694	699	385	278	74	0	3210	591	1881	737
1939	2	0	53	108	419	580	715	655	518	233	42	7	3332	580	1950	793
1940	0	0	12	74	260	513	688	607	427	226	28	0	2835	346	1808	681
1941	0	0	2	217	418	541	683	660	486	212	58	4	3281	637	1884	756
1942	0	0	17	253	299	512	678	619	391	203	47	0	3019	569	1809	641
1943	0	1	43	101	272	588	716	673	327	184	5	1	2911	416	1977	516
1944	8	0	7	81	416	592	659	646	436	221	54	0	3120	504	1897	711
1945	0	0	158	132	221	419	601	628	384	175	50	0	2768	511	1648	609
1946	0	1	106	190	254	514	670	566	416	284	29	22	3052	550	1750	729
1947	0	0	8	93	205	439	627	788	495	370	14	0	3039	306	1854	879
1948	0	0	43	212	258	488	704	665	506	173	39	4	3092	513	1857	718
1949	3	0	31	135	353	621	748	671	325	282	56	9	3234	519	2040	663
1950	5	0	5	57	295	513	586	511	367	283	28	0	2650	357	1610	678
1951	0	0	10	79	367	410	628	531	349	206	11	13	2604	456	1569	566
1952	0	0	9	187	276	576	729	607	431	154	67	3	3039	472	1912	652
1953	2	0	28	60	322	574	707	668	434	308	98	2	3203	410	1949	840
1954	0	9	10	190	238	608	673	596	447	212	53	0	3036	438	1877	712
1955	0	0	31	222	382	470	792	749	443	236	14	1	3340	635	2011	693
1956	0	0	4	115	303	599	600	636	371	297	64	5	2994	422	1835	732
1957	1	4	15	162	258	523	683	629	379	159	18	1	2832	435	1835	556

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YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	MAM	JJA	SON
1958	0	0	3	138	376	390	624	658	432	255	70	0	2946	517	1672	757
1959	0	0	14	129	443	571	640	747	478	120	16	2	3160	586	1958	614
1960	0	0	9	192	256	446	610	653	467	202	48	7	2890	457	1709	717
1961	2	1	28	61	259	526	662	655	483	208	36	7	2928	348	1843	727
1962	0	0	19	155	428	504	567	639	358	261	16	14	2961	602	1710	635
1963	0	0	67	178	275	563	683	577	406	385	62	2	3198	520	1823	853
1964	2	0	13	141	444	550	690	563	414	187	109	0	3113	598	1803	710
1965	2	0	0	81	402	470	630	569	386	193	58	6	2797	483	1669	637
1966	0	1	27	78	236	559	726	587	391	196	46	4	2851	341	1872	633
1967	4	0	50	113	218	540	591	501	389	185	10	3	2604	381	1632	584
1968	0	0	102	162	246	515	632	641	417	235	28	1	2979	510	1788	680
1969	0	0	22	131	336	377	634	687	420	165	14	0	2786	489	1698	599
1970	0	0	0	157	361	529	697	660	413	208	8	10	3043	518	1886	629
1971	0	0	14	138	296	601	607	579	510	323	54	1	3123	448	1787	887
1972	0	0	6	77	359	444	618	621	392	133	7	0	2657	442	1683	532
1973	6	0	34	102	216	585	703	688	425	280	21	6	3066	352	1976	726
1974	0	0	19	164	223	435	692	579	341	203	44	0	2700	406	1706	588
1975	1	0	3	61	393	532	689	665	323	266	124	16	3073	457	1886	713
1976	0	16	70	178	247	560	694	593	387	131	7	0	2883	495	1847	525
1977	0	0	69	251	508	472	720	543	381	148	57	0	3149	828	1735	586
1978	0	0	14	90	329	526	613	631	506	160	63	0	2932	433	1770	729
1979	0	0	14	94	310	500	642	569	438	169	34	2	2772	418	1711	641
1980	1	0	4	123	358	466	693	663	403	119	28	2	2860	485	1822	550
1981	0	13	52	160	273	533	615	618	349	123	46	0	2782	485	1766	518
1982	0	0	16	101	384	371	672	553	367	213	34	23	2734	501	1596	614
1983	0	4	42	79	191	529	765	727	412	180	40	0	2969	312	2021	632
1984	0	15	0	83	255	554	624	674	383	212	34	12	2846	338	1852	629
1985	0	0	31	242	391	457	662	560	449	160	11	0	2963	664	1679	620
1986	0	0	82	174	321	470	696	533	419	163	15	0	2873	577	1699	597
1987	0	0	45	169	409	624	738	603	396	101	54	0	3139	623	1965	551
1988	2	0	26	120	400	587	728	720	423	104	25	2	3137	546	2035	552
1989	4	0	37	92	297	482	659	606	374	219	19	0	2789	426	1747	612
1990	2	4	56	183	209	517	612	618	447	170	82	1	2901	448	1747	699
1991	0	1	45	166	453	595	686	653	411	167	24	5	3206	664	1934	602
1992	0	2	21	67	330	427	537	483	358	155	5	0	2385	418	1447	518
1993	0	0	14	80	305	449	669	671	272	163	14	0	2637	399	1789	449
1994	0	3	18	158	331	564	639	536	453	205	38	4	2949	507	1739	696
1995	0	0	58	66	268	597	713	788	355	185	6	1	3037	392	2098	546
1996	4	6	13	92	201	479	564	633	393	176	9	0	2570	306	1676	578
1997	2	1	31	104	186	516	626	522	390	224	3	0	2605	321	1664	617
1998	3	2	68	119	398	520	679	689	497	198	60	27	3260	585	1888	755
1999	0	13	47	125	356	550	787	579	394	184	101	5	3141	528	1916	679
2000	3	31	92	120	341	502	601	634	407	252	32	0	3015	553	1737	691
2001	0	0	2	190	323	501	696	674	356	166	108	19	3035	515	1871	630
2002	5	5	9	161	234	554	752	649	488	119	25	4	3005	404	1955	632
2003	2	2	55	145	233	455	639	681	401	187	41	0	2841	433	1775	629
2004	2	5	55	155	280	457	598	487	486	179	39	3	2746	490	1542	704
2005	1	1	33	174	247	646	689	672	533	218	59	0	3273	454	2007	810
2006	2	1	23	175	320	489	720	646	348	110	52	2	2888	518	1855	510
2007	0	0	89	124	389	557	651	663	465	278	25	0	3241	602	1871	768
2008	6	0	7	130	248	526	653	607	414	168	48	2	2809	385	1786	630
2009	0	4	50	108	294	483	520	548	406	79	61	1	2554	452	1551	546
2010	0	0	59	205	367	555	762	734	374	253	57	0	3366	631	2051	684
2011	0	1	13	82	260	486	774	648	340	214	43	2	2863	355	1908	597
2012	3	1	214	108	389	593	806	618	395	142	35	17	3321	711	2017	572
2013	5	0	4	91	333	488	619	595	418	169	21	1	2744	428	1702	608
2014	0	0	10	88	314	521	537	613	365	141	14	0	2603	412	1671	520
2015	0	0	40	131	330	464	607	574	500	188	88	13	2935	501	1645	776
2016	0	10	53	111	334	554	702	706	495	247	102	0	3314	498	1962	844
2017	1	42	20	172	251	554	650	539	464	238	12	9	2952	443	1743	714
2018	4	6	4	70	425	513	673	670	451	132	0	1	2949	499	1856	583
2019	0	0	16	119	236	454	729	583	473	128	1	7	2746	371	1766	602
2020	0	0	13	79	279	574	753	646	350	118	99	4	2915	371	1973	567
2021	0	0	59	155	324	627	645	705	467	285	35	9	3311	538	1977	787
2022	0	0	37	71	351	521	668	617	425	182	75	3	2950	459	1806	682
2023	0	1	5	152	335	512	668	626	460	213	46	4	3022	492	1806	719

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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	0.9	2.2	32.9	131.4	315.5	515.7	667.9	624.7	416.9	196.1	39.2	2.9	2946.1	479.7	1808.2	652.2
MEDIAN	0.0	0.0	23.0	123.5	310.5	516.5	669.5	633.5	411.5	187.0	35.0	0.5	2949.5	481.5	1821.5	634.0
STD	1.6	5.9	34.2	50.4	72.4	68.2	59.4	63.9	58.9	59.9	27.0	5.1	223.0	98.7	139.4	93.2
MAX	8.0	42.0	214.0	285.0	508.0	703.0	812.0	788.0	561.0	385.0	124.0	27.0	3488.0	828.0	2126.0	907.0
MIN	0.0	0.0	0.0	41.0	186.0	366.0	520.0	459.0	272.0	53.0	0.0	0.0	2362.0	294.0	1398.0	449.0
Count	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128
Interval/	1901	2000														
AVE	0.8	1.9	32.7	129.4	315.2	512.6	668.0	622.8	413.8	199.5	37.8	2.8	2937.3	477.3	1803.4	651.2
MEDIAN	0.0	0.0	25.5	120.0	307.0	514.5	671.0	632.0	407.5	194.5	34.0	0.0	2955.0	481.5	1815.5	636.0
STD	1.5	5.1	31.9	51.1	75.5	72.2	57.2	64.4	57.6	58.6	26.5	5.1	223.4	99.2	141.2	91.6
MAX	8.0	31.0	164.0	285.0	508.0	703.0	812.0	788.0	561.0	385.0	124.0	27.0	3488.0	828.0	2126.0	907.0
MIN	0.0	0.0	0.0	41.0	186.0	366.0	537.0	459.0	272.0	53.0	3.0	0.0	2362.0	294.0	1398.0	449.0
Interval/	1951	2000														
AVE	0.8	2.5	30.0	130.2	319.3	514.9	662.8	621.7	407.3	197.2	38.7	3.8	2929.1	479.5	1799.4	643.2
MEDIAN	0.0	0.0	21.5	124.0	321.5	524.5	665.5	625.0	406.5	190.0	34.0	1.0	2947.5	464.5	1788.5	630.5
STD	1.4	5.7	25.1	47.8	76.9	62.4	55.0	65.3	46.4	56.9	29.0	5.9	202.2	102.9	130.2	89.2
MAX	6.0	31.0	102.0	251.0	508.0	624.0	792.0	788.0	510.0	385.0	124.0	27.0	3340.0	828.0	2098.0	887.0
MIN	0.0	0.0	0.0	60.0	186.0	371.0	537.0	483.0	272.0	101.0	3.0	0.0	2385.0	306.0	1447.0	449.0
Interval/	1991	2020														
AVE	1.4	4.6	39.2	123.8	308.5	520.8	667.7	624.7	415.1	179.4	40.7	4.2	2930.2	471.5	1813.2	635.2
MEDIAN	0.0	1.0	27.0	119.5	317.0	518.0	671.0	640.0	406.5	177.5	36.5	1.5	2942.0	453.0	1822.0	623.0
STD	1.8	9.2	40.7	38.3	64.5	51.9	74.3	69.4	59.8	46.8	32.0	6.5	256.2	97.7	156.4	93.2
MAX	6.0	42.0	214.0	205.0	453.0	646.0	806.0	788.0	533.0	278.0	108.0	27.0	3366.0	711.0	2098.0	844.0
MIN	0.0	0.0	2.0	66.0	186.0	427.0	520.0	483.0	272.0	79.0	0.0	0.0	2385.0	306.0	1447.0	449.0
Interval/	1981	2010														
AVE	1.3	3.8	39.2	135.6	307.8	518.2	665.1	625.4	407.3	177.0	38.9	3.7	2923.2	482.6	1808.6	623.3
MEDIAN	0.0	1.0	39.5	127.5	312.5	518.5	665.5	633.5	403.5	177.5	36.0	0.5	2925.0	487.5	1787.5	624.5
STD	1.7	6.5	24.5	43.4	70.8	59.8	64.8	73.6	52.9	46.3	26.1	7.0	235.7	101.1	160.4	80.3
MAX	6.0	31.0	92.0	242.0	453.0	646.0	787.0	788.0	533.0	278.0	108.0	27.0	3366.0	664.0	2098.0	810.0
MIN	0.0	0.0	0.0	66.0	186.0	371.0	520.0	483.0	272.0	79.0	3.0	0.0	2385.0	306.0	1447.0	449.0
Interval/	1971	2000														
AVE	0.9	3.7	34.7	125.9	317.9	514.8	664.8	617.7	401.8	182.9	36.4	3.6	2905.1	478.6	1797.3	621.1
MEDIAN	0.0	0.0	31.0	119.5	325.0	518.5	670.5	618.0	395.0	173.0	33.0	0.0	2916.5	452.5	1768.0	613.0
STD	1.6	7.0	24.6	48.6	79.6	59.8	56.1	67.3	51.1	50.6	28.5	6.8	209.1	115.5	138.8	88.3
MAX	6.0	31.0	92.0	251.0	508.0	624.0	787.0	788.0	510.0	323.0	124.0	27.0	3260.0	828.0	2098.0	887.0
MIN	0.0	0.0	0.0	61.0	186.0	371.0	537.0	483.0	272.0	101.0	3.0	0.0	2385.0	306.0	1447.0	449.0
Interval/	1961	1990														
AVE	0.9	1.8	32.1	131.3	319.1	512.6	665.1	614.1	406.7	193.3	39.5	3.7	2920.3	482.5	1791.8	639.6
MEDIAN	0.0	0.0	26.5	127.0	315.5	526.0	667.0	612.0	404.5	186.0	34.0	1.0	2914.5	484.0	1778.5	629.0
STD	1.5	4.4	26.1	48.7	80.4	59.0	47.5	55.3	42.6	62.3	28.2	5.7	156.4	108.4	109.7	86.1
MAX	6.0	16.0	102.0	251.0	508.0	624.0	765.0	727.0	510.0	385.0	124.0	23.0	3198.0	828.0	2035.0	887.0
MIN	0.0	0.0	0.0	61.0	191.0	371.0	567.0	501.0	323.0	101.0	7.0	0.0	2604.0	312.0	1596.0	518.0
Interval/	1951	1980														
AVE	0.7	1.0	23.6	133.6	322.2	514.0	662.3	622.8	413.8	210.1	42.8	3.6	2950.6	479.4	1799.1	666.8
MEDIAN	0.0	0.0	14.0	134.5	316.0	526.0	667.5	630.0	413.5	202.5	40.0	2.0	2953.5	457.0	1812.5	646.5
STD	1.4	3.3	24.2	49.0	76.5	62.7	49.4	57.4	45.3	63.4	30.5	4.4	181.1	96.9	107.5	91.8
MAX	6.0	16.0	102.0	251.0	508.0	608.0	792.0	749.0	510.0	385.0	124.0	16.0	3340.0	828.0	2011.0	887.0
MIN	0.0	0.0	0.0	60.0	216.0	377.0	567.0	501.0	323.0	119.0	7.0	0.0	2604.0	341.0	1569.0	525.0
Interval/	1941	1970														
AVE	1.0	0.6	29.4	140.1	313.9	517.6	662.3	632.7	414.7	225.3	40.9	4.0	2982.3	483.3	1812.6	680.9
MEDIAN	0.0	0.0	16.0	136.5	297.0	524.5	666.0	640.0	415.0	208.0	42.5	2.0	3006.5	496.5	1835.0	679.0
STD	1.9	1.7	35.5	52.6	72.8	64.8	51.8	64.7	47.2	60.4	26.1	5.1	186.9	85.6	120.9	84.0
MAX	8.0	9.0	158.0	253.0	444.0	621.0	792.0	788.0	506.0	385.0	109.0	22.0	3340.0	637.0	2040.0	879.0
MIN	0.0	0.0	0.0	57.0	205.0	377.0	567.0	501.0	325.0	120.0	5.0	0.0	2604.0	306.0	1569.0	516.0

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	MAM	JJA	SON
Interval/ 1931 1960																
AVE	0.8	1.2	27.4	135.4	318.9	529.3	685.9	649.9	429.3	217.9	41.5	3.0	3040.5	481.7	1865.1	688.7
MEDIAN	0.0	0.0	11.0	130.5	301.0	518.5	691.0	654.0	431.0	212.0	40.5	1.0	3039.0	464.5	1882.5	687.0
STD	1.7	3.4	35.8	53.8	75.4	77.1	52.8	60.1	58.6	56.9	25.5	4.7	193.5	92.2	121.7	90.5
MAX	8.0	17.0	158.0	253.0	478.0	703.0	792.0	788.0	561.0	370.0	109.0	22.0	3341.0	637.0	2040.0	907.0
MIN	0.0	0.0	1.0	57.0	200.0	390.0	586.0	511.0	325.0	120.0	5.0	0.0	2604.0	306.0	1569.0	516.0
Interval/ 1921 1950																
AVE	0.7	2.1	33.4	132.6	315.1	525.2	685.3	638.9	430.1	207.5	36.4	1.9	3009.2	481.1	1849.4	674.0
MEDIAN	0.0	0.0	24.0	116.0	299.0	513.5	691.0	644.5	424.5	207.5	30.5	0.0	3029.0	496.0	1861.0	665.0
STD	1.7	5.5	36.0	51.3	76.1	82.4	54.1	57.7	67.8	61.2	23.9	4.4	234.9	100.7	138.0	93.3
MAX	8.0	25.0	158.0	253.0	478.0	703.0	812.0	788.0	561.0	370.0	109.0	22.0	3488.0	685.0	2126.0	907.0
MIN	0.0	0.0	1.0	57.0	187.0	393.0	577.0	511.0	279.0	53.0	5.0	0.0	2474.0	294.0	1561.0	516.0
Interval/ 1911 1940																
AVE	0.3	2.1	29.9	126.3	321.7	516.2	682.0	625.3	427.6	194.7	36.0	1.6	2963.8	477.9	1823.6	658.3
MEDIAN	0.0	0.0	25.5	109.5	310.0	513.0	691.0	637.0	424.0	195.5	33.5	0.0	2956.5	479.5	1856.5	654.5
STD	0.6	5.5	25.7	51.2	78.6	92.1	61.4	59.4	67.0	61.6	24.1	2.8	256.5	97.3	158.2	97.5
MAX	2.0	25.0	107.0	285.0	478.0	703.0	812.0	749.0	561.0	334.0	109.0	12.0	3488.0	685.0	2126.0	907.0
MIN	0.0	0.0	0.0	52.0	187.0	366.0	546.0	459.0	279.0	53.0	5.0	0.0	2362.0	294.0	1398.0	455.0
Interval/ 1901 1930																
AVE	0.5	1.5	36.1	128.0	306.9	493.5	658.9	605.8	412.4	190.3	35.3	1.0	2870.2	471.0	1758.2	638.0
MEDIAN	0.0	0.0	30.5	118.0	299.0	485.0	649.0	627.5	404.0	181.5	34.5	0.0	2871.5	484.0	1763.0	625.0
STD	1.2	4.8	33.9	53.8	69.0	79.2	61.0	59.8	65.5	59.7	23.5	2.5	244.6	90.8	154.3	86.7
MAX	6.0	25.0	164.0	285.0	469.0	669.0	812.0	702.0	526.0	334.0	88.0	12.0	3488	685	2126	850
MIN	0.0	0.0	0.0	41.0	187.0	366.0	546.0	459.0	279.0	53.0	4.0	0.0	2362	294	1398	455

Data as of 3 Jan 2024