

Wisconsin State Climatology Office

Modified Growing Degree Day Units [Base 50°F/Ceiling 86°F]: Southwest 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	4	27	222	390	565	599	622	505	116	39	0	3089	639	1786	660
1896	0	6	14	258	471	549	626	610	276	141	30	5	2986	743	1785	447
1897	0	0	15	113	323	513	704	514	541	266	25	0	3014	451	1731	832
1898	0	0	26	133	336	571	650	580	436	121	27	0	2880	495	1801	584
1899	0	0	0	219	351	571	679	663	363	285	51	0	3182	570	1913	699
1900	0	0	1	217	420	536	635	776	421	330	20	0	3356	638	1947	771
1901	0	0	5	197	360	607	791	642	362	218	19	0	3201	562	2040	599
1902	0	0	39	158	408	435	678	534	310	210	56	0	2828	605	1647	576
1903	0	0	52	139	405	443	632	518	356	200	37	0	2782	596	1593	593
1904	0	0	3	97	343	484	591	524	399	181	58	0	2680	443	1599	638
1905	0	0	70	129	295	523	605	633	441	168	27	0	2891	494	1761	636
1906	0	0	0	199	346	501	612	682	489	174	29	0	3032	545	1795	692
1907	0	0	77	50	210	467	656	563	355	144	1	0	2523	337	1686	500
1908	0	0	30	165	356	485	654	564	512	202	49	0	3017	551	1703	763
1909	0	0	0	51	322	518	638	692	374	145	87	0	2827	373	1848	606
1910	0	0	178	243	264	554	700	634	367	240	0	0	3180	685	1888	607
1911	0	0	50	128	504	651	668	585	381	118	6	2	3093	682	1904	505
1912	0	0	1	174	362	467	652	556	411	192	38	0	2853	537	1675	641
1913	0	2	30	201	317	600	669	656	403	177	46	2	3103	548	1925	626
1914	0	0	18	177	413	545	721	626	410	269	46	0	3225	608	1892	725
1915	0	0	1	305	221	412	562	464	388	206	55	0	2614	527	1438	649
1916	0	0	23	118	328	391	793	670	381	174	39	5	2922	469	1854	594
1917	0	0	20	90	263	419	660	532	338	60	56	0	2438	373	1611	454
1918	0	2	85	84	442	509	622	670	266	233	53	0	2966	611	1801	552
1919	0	0	34	122	312	644	728	599	462	180	3	0	3084	468	1971	645
1920	0	0	60	67	333	583	610	572	478	331	7	1	3042	460	1765	816
1921	0	11	66	225	425	676	808	636	480	162	4	0	3493	716	2120	646
1922	0	0	20	136	438	582	610	650	458	256	49	0	3199	594	1842	763
1923	0	2	7	146	350	615	734	573	397	155	30	2	3011	503	1922	582
1924	0	0	2	131	202	437	581	568	281	304	48	0	2554	335	1586	633
1925	0	2	60	261	316	556	627	620	487	53	24	0	3006	637	1803	564
1926	0	0	11	143	396	423	659	634	368	145	18	0	2797	550	1716	531
1927	0	2	45	129	269	458	614	517	482	238	18	0	2772	443	1589	738
1928	0	0	64	99	401	428	693	630	348	234	22	0	2919	564	1751	604
1929	0	0	32	177	305	485	684	588	379	167	6	0	2823	514	1757	552
1930	0	28	30	187	359	544	703	651	448	171	101	0	3222	576	1898	720
1931	0	1	4	206	298	645	743	632	552	235	94	0	3410	508	2020	881
1932	0	11	12	125	378	608	689	645	379	128	16	2	2993	515	1942	523
1933	1	3	15	124	348	721	716	594	507	169	22	0	3220	487	2031	698
1934	0	3	18	152	532	676	736	596	352	240	45	0	3350	702	2008	637
1935	0	0	42	110	243	441	797	646	412	189	7	0	2887	395	1884	608
1936	0	0	41	118	481	507	768	699	463	151	15	5	3248	640	1974	629
1937	0	0	3	99	361	521	726	744	439	149	35	0	3077	463	1991	623
1938	0	0	109	197	323	513	723	699	406	301	55	0	3326	629	1935	762
1939	1	0	63	141	496	592	718	633	505	219	43	7	3418	700	1943	767
1940	0	0	14	106	308	570	714	595	445	244	25	0	3021	428	1879	714
1941	0	0	4	245	466	560	689	664	474	197	58	3	3360	715	1913	729
1942	0	0	25	281	321	539	670	624	384	224	39	0	3107	627	1833	647
1943	0	0	47	130	312	612	731	667	321	194	4	2	3020	489	2010	519
1944	5	0	3	113	468	605	649	640	428	227	52	0	3190	584	1894	707
1945	0	0	164	139	253	425	612	624	367	182	41	0	2807	556	1661	590
1946	0	1	122	231	289	545	678	560	394	272	25	16	3133	642	1783	691
1947	1	0	10	104	232	465	637	793	492	374	13	0	3121	346	1895	879
1948	0	1	53	250	307	522	712	674	516	195	33	5	3268	610	1908	744
1949	0	0	24	183	407	631	756	673	327	297	59	6	3363	614	2060	683
1950	0	0	2	68	343	530	588	520	387	290	29	0	2757	413	1638	706
1951	0	0	1	83	415	452	640	542	327	198	14	8	2680	499	1634	539
1952	0	0	12	214	313	599	730	583	419	163	69	0	3102	539	1912	651
1953	1	0	31	63	338	604	688	648	426	338	97	2	3236	432	1940	861
1954	0	10	11	201	251	632	705	603	423	188	58	0	3082	463	1940	669
1955	0	0	26	242	418	483	799	733	461	218	9	0	3389	686	2015	688
1956	0	0	4	116	352	638	614	638	365	315	57	0	3099	472	1890	737
1957	0	4	22	184	292	543	732	624	370	165	10	1	2947	498	1899	545

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YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	MAM	JJA	SON
1958	0	6	10	161	396	429	612	651	431	260	74	0	3030	567	1692	765
1959	0	0	7	138	452	574	645	734	445	102	12	3	3112	597	1953	559
1960	0	0	9	195	327	470	622	661	448	206	43	7	2988	531	1753	697
1961	0	1	22	80	314	552	651	656	416	217	27	9	2945	416	1859	660
1962	0	0	18	153	460	533	578	613	335	248	18	16	2972	631	1724	601
1963	0	0	73	189	317	603	691	586	413	393	60	0	3325	579	1880	866
1964	1	3	14	168	464	570	714	567	396	187	114	0	3198	646	1851	697
1965	0	0	0	100	441	509	637	574	324	206	51	5	2847	541	1720	581
1966	0	0	49	94	280	555	702	564	376	209	32	0	2861	423	1821	617
1967	1	0	47	136	269	558	605	513	382	181	13	3	2708	452	1676	576
1968	0	0	111	196	280	531	651	635	390	236	25	3	3058	587	1817	651
1969	0	0	17	169	373	387	673	676	415	163	31	0	2904	559	1736	609
1970	0	0	1	186	400	569	696	638	405	212	12	6	3125	587	1903	629
1971	0	0	14	188	317	655	577	568	476	325	47	0	3167	519	1800	848
1972	0	0	7	109	425	507	613	632	406	139	5	0	2843	541	1752	550
1973	4	0	62	124	258	580	707	675	396	301	19	6	3132	444	1962	716
1974	0	0	23	199	276	458	713	566	328	199	33	0	2795	498	1737	560
1975	0	0	0	75	424	553	681	652	320	282	109	10	3106	499	1886	711
1976	0	11	63	203	313	572	690	590	397	142	11	0	2992	579	1852	550
1977	0	1	74	294	543	514	727	526	374	149	38	0	3240	911	1767	561
1978	0	0	30	128	374	536	642	632	494	151	65	0	3052	532	1810	710
1979	0	0	10	112	338	532	650	589	444	168	28	3	2874	460	1771	640
1980	0	0	6	176	407	529	731	658	408	126	30	0	3071	589	1918	564
1981	4	21	67	194	328	538	651	605	353	151	56	0	2968	589	1794	560
1982	0	0	16	132	420	414	695	579	372	203	24	14	2869	568	1688	599
1983	0	3	33	96	234	561	758	735	407	168	33	0	3028	363	2054	608
1984	0	9	2	120	284	583	629	673	388	228	20	8	2944	406	1885	636
1985	0	1	32	281	432	479	662	532	405	164	8	0	2996	745	1673	577
1986	0	0	85	218	374	539	721	506	383	167	10	0	3003	677	1766	560
1987	0	0	64	243	439	618	747	585	383	101	48	0	3228	746	1950	532
1988	0	0	30	170	462	611	722	704	441	110	21	0	3271	662	2037	572
1989	1	0	43	133	345	511	690	599	367	223	10	0	2922	521	1800	600
1990	0	3	53	187	264	555	647	621	452	172	68	0	3022	504	1823	692
1991	0	0	50	185	461	636	661	618	371	156	9	0	3147	696	1915	536
1992	0	0	21	93	367	470	511	471	347	150	2	0	2432	481	1452	499
1993	0	0	13	93	325	469	631	634	246	152	9	0	2572	431	1734	407
1994	0	1	32	162	362	589	599	500	437	201	27	3	2913	556	1688	665
1995	0	0	63	77	285	601	690	779	346	178	0	0	3019	425	2070	524
1996	1	2	12	107	237	512	567	596	376	174	7	0	2591	356	1675	557
1997	0	1	33	124	228	561	628	512	380	220	0	0	2687	385	1701	600
1998	0	5	59	170	439	508	669	655	478	185	54	26	3248	668	1832	717
1999	0	8	51	153	370	556	759	561	368	182	90	3	3101	574	1876	640
2000	0	27	97	152	367	486	626	630	403	256	32	0	3076	616	1742	691
2001	0	0	2	210	342	510	695	647	334	151	123	17	3031	554	1852	608
2002	9	4	11	168	283	581	746	619	456	103	26	2	3008	462	1946	585
2003	3	1	54	177	293	494	657	687	391	199	25	0	2981	524	1838	615
2004	0	3	46	177	322	482	596	487	481	167	39	3	2803	545	1565	687
2005	0	0	42	212	287	660	690	616	499	231	56	0	3293	541	1966	786
2006	2	1	20	212	344	527	742	638	313	123	49	1	2972	576	1907	485
2007	0	0	86	156	429	570	666	651	455	268	21	0	3302	671	1887	744
2008	0	0	0	132	287	534	672	588	399	172	55	0	2839	419	1794	626
2009	0	2	53	134	315	508	489	533	405	68	60	0	2567	502	1530	533
2010	0	0	75	231	376	558	742	718	355	252	43	0	3350	682	2018	650
2011	0	1	11	101	320	526	774	633	318	225	38	1	2948	432	1933	581
2012	3	0	237	150	435	608	794	600	394	152	40	10	3423	822	2002	586
2013	0	0	1	91	344	520	637	613	447	171	13	0	2837	436	1770	631
2014	0	0	16	99	344	599	552	642	367	134	12	0	2765	459	1793	513
2015	0	0	59	177	362	516	618	571	522	186	82	7	3100	598	1705	790
2016	0	6	57	148	367	571	683	675	462	237	108	0	3314	572	1929	807
2017	0	38	27	171	289	567	672	525	465	217	16	9	2996	487	1764	698
2018	0	4	6	93	473	593	674	653	440	118	1	0	3055	572	1920	559
2019	0	0	13	133	260	506	744	564	470	115	0	2	2807	406	1814	585
2020	0	0	15	108	303	585	740	623	317	119	90	3	2903	426	1948	526
2021	0	0	54	165	343	644	662	658	435	269	32	10	3272	562	1964	736
2022	0	0	32	72	373	537	672	615	421	195	69	0	2986	477	1824	685
2023	0	0	4	152	377	566	640	638	473	216	47	4	3117	533	1844	736

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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	0.3	2.0	35.3	155.4	352.1	540.6	673.4	616.0	406.0	197.2	36.5	2.1	3016.8	542.8	1830.0	639.7
MEDIAN	0.0	0.0	25.5	151.0	344.0	541.0	672.0	623.5	403.0	188.5	31.5	0.0	3019.5	543.0	1840.0	630.0
STD	1.1	5.4	36.8	54.5	71.8	65.6	60.0	62.9	59.3	62.2	26.9	4.2	217.6	103.8	131.8	84.1
MAX	9.0	38.0	237.0	305.0	543.0	721.0	808.0	793.0	552.0	393.0	123.0	26.0	3493.0	911.0	2120.0	881.0
MIN	0.0	0.0	0.0	50.0	202.0	387.0	489.0	464.0	246.0	53.0	0.0	0.0	2432.0	335.0	1438.0	407.0
Count	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128
Interval/	1901	2000														
AVE	0.2	1.9	35.2	154.2	352.8	536.9	673.9	615.3	402.7	201.1	34.8	1.9	3010.9	542.2	1826.1	638.7
MEDIAN	0.0	0.0	25.5	144.5	345.5	539.0	671.5	624.0	397.0	193.0	30.0	0.0	3021.5	543.0	1837.5	631.0
STD	0.8	4.9	34.0	56.0	75.8	70.3	58.3	63.5	56.5	60.8	25.9	4.1	220.2	104.7	135.3	92.2
MAX	5.0	28.0	178.0	305.0	543.0	721.0	808.0	793.0	552.0	393.0	114.0	26.0	3493.0	911.0	2120.0	881.0
MIN	0.0	0.0	0.0	50.0	202.0	387.0	511.0	464.0	246.0	53.0	0.0	0.0	2432.0	335.0	1438.0	407.0
Interval/	1951	2000														
AVE	0.3	2.3	32.6	155.3	357.0	540.5	667.6	612.4	394.3	198.6	34.8	2.7	2998.3	544.9	1820.5	627.6
MEDIAN	0.0	0.0	24.5	157.0	357.0	547.5	665.5	615.5	396.0	186.0	27.5	0.0	3020.5	540.0	1819.0	608.5
STD	0.8	5.2	27.1	52.8	73.5	59.2	55.7	64.6	46.0	60.1	28.3	5.0	194.6	107.7	119.5	91.0
MAX	4.0	27.0	111.0	294.0	543.0	655.0	799.0	779.0	494.0	393.0	114.0	26.0	3389.0	911.0	2070.0	866.0
MIN	0.0	0.0	0.0	63.0	228.0	387.0	511.0	471.0	246.0	101.0	0.0	0.0	2432.0	356.0	1452.0	407.0
Interval/	1991	2020														
AVE	0.6	3.5	42.1	146.5	340.5	546.8	664.1	608.0	401.4	175.4	37.6	2.9	2969.3	529.1	1818.9	614.4
MEDIAN	0.0	0.5	32.5	151.0	343.0	545.0	670.5	618.5	396.5	173.0	29.5	0.0	2988.5	532.5	1835.0	604.0
STD	1.8	8.1	44.5	41.2	61.6	48.7	73.8	67.6	63.9	48.2	33.2	5.7	246.7	106.4	143.7	94.9
MAX	9.0	38.0	237.0	231.0	473.0	660.0	794.0	779.0	522.0	268.0	123.0	26.0	3423.0	822.0	2070.0	807.0
MIN	0.0	0.0	0.0	77.0	228.0	469.0	489.0	471.0	246.0	68.0	0.0	0.0	2432.0	356.0	1452.0	407.0
Interval/	1981	2010														
AVE	0.7	3.1	41.5	163.3	343.4	540.7	665.3	609.3	393.0	175.8	34.2	2.6	2972.8	548.2	1815.3	603.0
MEDIAN	0.0	1.0	42.5	165.0	343.0	538.5	667.5	617.0	385.5	172.0	26.5	0.0	2999.5	549.5	1827.5	600.0
STD	1.8	6.1	25.9	48.2	67.2	54.7	66.4	74.3	53.0	46.8	27.8	5.9	228.3	110.4	150.7	79.6
MAX	9.0	27.0	97.0	281.0	462.0	660.0	759.0	779.0	499.0	268.0	123.0	26.0	3350.0	746.0	2070.0	786.0
MIN	0.0	0.0	0.0	77.0	228.0	414.0	489.0	471.0	246.0	68.0	0.0	0.0	2432.0	356.0	1452.0	407.0
Interval/	1971	2000														
AVE	0.3	3.1	38.2	156.6	356.6	541.1	666.5	606.1	391.5	184.1	30.4	2.4	2977.0	551.4	1813.7	606.1
MEDIAN	0.0	0.0	32.5	152.5	364.5	538.5	665.5	602.0	385.5	170.0	25.5	0.0	3011.0	536.5	1800.0	588.0
STD	1.0	6.3	25.8	55.2	77.4	54.6	57.9	69.0	50.3	52.1	26.5	5.5	201.7	124.3	128.3	84.7
MAX	4.0	27.0	97.0	294.0	543.0	655.0	759.0	779.0	494.0	325.0	109.0	26.0	3271.0	911.0	2070.0	848.0
MIN	0.0	0.0	0.0	75.0	228.0	414.0	511.0	471.0	246.0	101.0	0.0	0.0	2432.0	356.0	1452.0	407.0
Interval/	1961	1990														
AVE	0.4	1.8	35.5	161.8	361.8	540.4	675.0	608.3	394.9	197.4	35.5	2.8	3015.5	559.1	1823.7	627.8
MEDIAN	0.0	0.0	30.0	168.5	359.0	545.5	685.5	602.0	396.0	184.0	29.0	0.0	2999.5	550.0	1813.5	604.5
STD	1.0	4.4	28.6	54.4	77.0	54.7	46.3	55.1	40.5	63.3	26.6	4.4	147.9	113.3	96.3	80.6
MAX	4.0	21.0	111.0	294.0	543.0	655.0	758.0	735.0	494.0	393.0	114.0	16.0	3325.0	911.0	2054.0	866.0
MIN	0.0	0.0	0.0	75.0	234.0	387.0	577.0	506.0	320.0	101.0	5.0	0.0	2708.0	363.0	1673.0	532.0
Interval/	1951	1980														
AVE	0.2	1.2	25.8	155.9	360.9	540.9	670.5	617.6	400.3	212.9	40.4	2.7	3029.3	542.6	1829.0	653.6
MEDIAN	0.0	0.0	15.5	164.5	345.0	547.5	677.0	628.0	405.5	202.5	31.5	0.0	3055.0	535.5	1836.0	645.5
STD	0.8	2.8	26.7	53.3	72.3	60.7	51.1	53.2	44.2	67.8	29.4	3.9	167.0	95.7	94.8	93.1
MAX	4.0	11.0	111.0	294.0	543.0	655.0	799.0	734.0	494.0	393.0	114.0	16.0	3389.0	911.0	2015.0	866.0
MIN	0.0	0.0	0.0	63.0	251.0	387.0	577.0	513.0	320.0	102.0	5.0	0.0	2680.0	416.0	1634.0	539.0
Interval/	1941	1970														
AVE	0.3	0.9	31.3	160.4	351.7	540.8	670.2	629.3	401.9	228.6	39.3	3.2	3057.8	543.4	1840.3	669.8
MEDIAN	0.0	0.0	17.5	164.5	332.5	548.5	671.5	636.5	400.5	210.5	32.5	1.5	3090.5	557.5	1869.5	664.5
STD	0.9	2.2	38.7	57.6	71.5	64.1	51.5	61.7	48.6	63.8	26.4	4.4	188.6	87.7	113.8	91.6
MAX	5.0	10.0	164.0	281.0	468.0	638.0	799.0	793.0	516.0	393.0	114.0	16.0	3389.0	715.0	2060.0	879.0
MIN	0.0	0.0	0.0	63.0	232.0	387.0	578.0	513.0	321.0	102.0	4.0	0.0	2680.0	346.0	1634.0	519.0

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	MAM	JJA	SON
Interval/ 1931 1960																
AVE	0.3	1.3	30.3	157.3	357.3	555.1	694.6	644.6	422.2	221.0	38.4	2.2	3124.7	544.9	1894.3	681.6
MEDIAN	0.0	0.0	14.5	140.0	340.5	552.5	708.5	642.5	424.5	212.0	37.0	0.0	3109.5	535.0	1912.5	689.5
STD	0.9	2.8	38.1	57.4	78.7	74.9	55.0	58.9	57.9	62.3	24.8	3.6	191.2	96.9	115.3	95.5
MAX	5.0	11.0	164.0	281.0	532.0	721.0	799.0	793.0	552.0	374.0	97.0	16.0	3418.0	715.0	2060.0	881.0
MIN	0.0	0.0	1.0	63.0	232.0	425.0	588.0	520.0	321.0	102.0	4.0	0.0	2680.0	346.0	1634.0	519.0
Interval/ 1921 1950																
AVE	0.3	2.2	37.1	158.5	354.2	547.7	692.2	633.0	422.6	212.1	34.3	1.6	3095.7	549.8	1872.9	669.0
MEDIAN	0.0	0.0	24.5	140.0	345.5	544.5	698.0	633.5	420.0	208.0	29.5	0.0	3114.0	560.0	1896.5	665.0
STD	0.9	5.5	38.2	54.8	81.7	79.8	57.7	57.5	65.0	64.2	23.3	3.3	230.8	104.4	136.1	92.3
MAX	5.0	28.0	164.0	281.0	532.0	721.0	808.0	793.0	552.0	374.0	101.0	16.0	3493.0	716.0	2120.0	881.0
MIN	0.0	0.0	2.0	68.0	202.0	423.0	581.0	517.0	281.0	53.0	4.0	0.0	2554.0	335.0	1586.0	519.0
Interval/ 1911 1940																
AVE	0.1	2.2	32.7	149.3	357.5	540.6	690.9	616.0	416.9	195.0	34.2	0.9	3036.2	539.4	1847.6	646.1
MEDIAN	0.0	0.0	26.5	133.5	349.0	544.5	698.0	628.0	410.5	184.5	32.5	0.0	3031.5	532.0	1888.0	635.0
STD	0.2	5.5	26.7	52.5	81.9	90.1	62.1	56.7	64.6	64.2	24.0	1.8	251.4	97.8	152.4	95.6
MAX	1.0	28.0	109.0	305.0	532.0	721.0	808.0	744.0	552.0	331.0	101.0	7.0	3493.0	716.0	2120.0	881.0
MIN	0.0	0.0	1.0	67.0	202.0	391.0	562.0	464.0	266.0	53.0	3.0	0.0	2438.0	335.0	1438.0	454.0
Interval/ 1901 1930																
AVE	0.0	1.6	37.1	150.9	342.2	514.7	665.2	599.4	400.4	190.2	34.4	0.4	2936.6	530.2	1779.3	625.0
MEDIAN	0.0	0.0	30.0	141.0	344.5	505.0	657.5	609.5	392.5	180.5	33.5	0.0	2944.0	546.5	1780.0	616.5
STD	0.0	5.3	36.3	59.3	70.5	77.6	61.2	56.6	61.9	59.2	24.6	1.1	233.6	96.6	149.0	82.3
MAX	0.0	28.0	178.0	305.0	504.0	676.0	808.0	692.0	512.0	331.0	101.0	5.0	3493	716	2120	816
MIN	0.0	0.0	0.0	50.0	202.0	391.0	562.0	464.0	266.0	53.0	0.0	0.0	2438	335	1438	454

Data as of 3 Jan 2024