

Wisconsin State Climatology Office

Modified Growing Degree Day Units [Base 50°F/Ceiling 86°F]: Northeast 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	7	151	332	492	490	496	408	71	17	0	2467	490	1478	496
1896	0	4	1	149	389	500	549	524	237	94	5	0	2452	539	1573	336
1897	0	0	12	63	236	402	650	455	461	168	9	0	2456	311	1507	638
1898	0	0	3	94	270	472	592	480	379	97	16	0	2403	367	1544	492
1899	0	0	0	173	277	478	567	585	273	202	33	0	2588	450	1630	508
1900	0	0	0	176	336	455	525	690	353	265	14	0	2814	512	1670	632
1901	0	0	0	155	279	502	663	548	313	165	8	0	2633	434	1713	486
1902	0	0	37	119	329	382	611	458	261	127	22	0	2346	485	1451	410
1903	0	0	29	94	321	399	543	397	289	157	36	0	2265	444	1339	482
1904	0	0	0	76	285	422	500	428	288	105	39	0	2143	361	1350	432
1905	0	0	32	84	231	416	518	524	366	140	12	0	2323	347	1458	518
1906	0	0	0	148	268	451	554	596	430	136	4	0	2587	416	1601	570
1907	0	0	19	22	153	458	524	468	291	107	0	0	2042	194	1450	398
1908	0	0	2	119	265	443	556	501	451	168	11	0	2516	386	1500	630
1909	0	0	0	3	236	463	537	576	312	113	39	0	2279	239	1576	464
1910	0	0	119	143	190	512	590	513	284	188	0	0	2539	452	1615	472
1911	0	0	17	95	381	539	543	471	275	92	5	0	2418	493	1553	372
1912	0	0	1	98	270	395	538	389	340	160	13	0	2204	369	1322	513
1913	0	0	5	160	229	527	527	545	336	133	17	6	2485	394	1599	486
1914	0	0	4	93	345	418	635	492	334	246	17	0	2584	442	1545	597
1915	0	0	0	222	183	337	451	399	327	140	17	0	2076	405	1187	484
1916	0	0	4	58	248	325	715	577	288	123	15	0	2353	310	1617	426
1917	0	0	0	43	201	339	572	432	288	32	34	0	1941	244	1343	354
1918	0	0	51	77	325	400	532	542	199	154	19	0	2299	453	1474	372
1919	0	0	7	69	274	589	620	480	359	102	2	0	2502	350	1689	463
1920	0	0	22	29	286	483	482	491	382	278	0	0	2453	337	1456	660
1921	0	0	22	172	359	582	728	532	393	111	0	0	2899	553	1842	504
1922	0	0	3	83	373	456	512	528	400	158	15	0	2528	459	1496	573
1923	0	0	2	103	292	544	613	440	334	141	21	0	2490	397	1597	496
1924	0	0	0	54	136	355	488	459	238	238	27	0	1995	190	1302	503
1925	0	0	35	171	251	466	537	552	367	38	12	0	2429	457	1555	417
1926	0	0	2	91	306	350	553	489	247	89	0	0	2127	399	1392	336
1927	0	0	20	87	170	385	490	421	369	168	2	0	2112	277	1296	539
1928	0	0	20	56	301	344	565	524	248	138	10	0	2206	377	1433	396
1929	0	0	13	106	251	410	581	490	322	147	3	0	2323	370	1481	472
1930	0	15	15	148	311	489	598	567	357	134	62	1	2697	474	1654	553
1931	0	0	0	148	260	518	625	495	441	181	54	0	2722	408	1638	676
1932	0	0	0	86	283	507	588	568	329	84	6	1	2452	369	1663	419
1933	0	0	0	75	302	620	631	521	419	110	7	0	2685	377	1772	536
1934	0	0	0	82	409	507	589	462	279	164	16	0	2508	491	1558	459
1935	0	0	2	86	221	334	702	555	301	132	0	0	2333	309	1591	433
1936	0	0	2	54	380	397	655	533	396	102	5	0	2524	436	1585	503
1937	0	0	0	44	324	452	639	656	345	80	9	0	2549	368	1747	434
1938	0	0	50	147	259	426	588	596	295	219	34	0	2614	456	1610	548
1939	0	0	27	94	370	453	615	528	378	123	22	4	2614	491	1596	523
1940	0	0	2	56	241	407	592	491	372	137	7	0	2305	299	1490	516
1941	0	0	0	200	364	509	600	512	368	130	22	2	2707	564	1621	520
1942	1	0	2	231	248	439	552	527	307	197	14	0	2518	481	1518	518
1943	0	0	16	79	267	526	646	561	254	159	1	0	2509	362	1733	414
1944	3	0	2	88	360	502	571	557	330	176	30	0	2619	450	1630	536
1945	0	0	103	107	188	371	508	539	318	122	12	0	2268	398	1418	452
1946	0	0	75	162	246	450	579	478	325	201	12	2	2530	483	1507	538
1947	0	0	3	47	175	385	575	688	381	294	11	0	2559	225	1648	686
1948	0	0	16	160	285	422	576	552	431	146	21	0	2609	461	1550	598
1949	0	0	2	142	334	560	633	570	278	222	25	0	2766	478	1763	525
1950	0	0	0	21	264	449	490	414	293	208	6	0	2145	285	1353	507
1951	0	0	2	68	351	368	554	424	266	128	1	1	2163	421	1346	395
1952	0	0	1	196	269	482	616	491	360	110	19	0	2544	466	1589	489
1953	0	0	6	38	300	473	564	560	342	257	73	0	2613	344	1597	672
1954	0	0	0	121	193	514	562	474	256	118	26	0	2264	314	1550	400
1955	0	0	9	172	359	447	701	641	343	162	0	0	2834	540	1789	505
1956	0	0	0	31	265	494	471	514	264	250	36	0	2325	296	1479	550
1957	0	0	4	157	261	451	611	511	302	139	3	0	2439	422	1573	444

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YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	MAM	JJA	SON
1958	0	1	5	119	288	360	520	529	330	153	36	0	2341	412	1409	519
1959	0	0	3	87	366	498	570	637	380	71	1	0	2613	456	1705	452
1960	0	0	3	118	258	382	527	554	350	148	10	2	2352	379	1463	508
1961	0	1	5	47	258	460	553	544	355	164	17	0	2404	310	1557	536
1962	0	0	5	100	350	426	483	516	257	179	4	10	2330	455	1425	440
1963	0	0	36	149	259	507	612	486	331	315	30	0	2725	444	1605	676
1964	0	1	2	119	384	466	616	433	297	147	61	0	2526	505	1515	505
1965	0	0	0	48	345	413	505	489	232	155	28	0	2215	393	1407	415
1966	0	0	17	57	215	508	651	476	328	132	0	0	2384	289	1635	460
1967	0	0	18	87	209	446	515	448	332	118	5	0	2178	314	1409	455
1968	0	0	65	125	225	426	559	541	335	190	9	0	2475	415	1526	534
1969	0	0	3	119	312	292	545	605	324	99	16	0	2315	434	1442	439
1970	0	0	1	126	269	497	628	550	336	162	6	0	2575	396	1675	504
1971	0	0	0	113	251	532	494	459	368	226	11	0	2454	364	1485	605
1972	0	0	0	61	364	410	531	512	284	99	0	0	2261	425	1453	383
1973	0	0	23	88	181	458	581	569	330	233	0	0	2463	292	1608	563
1974	0	0	5	129	219	369	589	479	223	128	23	0	2164	353	1437	374
1975	0	0	1	43	380	445	623	511	233	189	77	0	2502	424	1579	499
1976	0	3	11	134	257	507	589	520	328	112	2	0	2463	402	1616	442
1977	0	0	18	215	461	409	620	427	271	132	22	0	2575	694	1456	425
1978	0	0	1	54	350	433	501	525	362	98	39	0	2363	405	1459	499
1979	0	0	0	71	214	400	561	450	339	86	10	0	2131	285	1411	435
1980	0	0	1	126	350	406	586	524	271	71	3	0	2338	477	1516	345
1981	0	4	21	93	262	418	535	523	261	64	45	0	2226	376	1476	370
1982	0	0	0	74	358	317	579	437	265	133	8	6	2177	432	1333	406
1983	0	0	0	66	161	444	671	613	344	112	18	0	2429	227	1728	474
1984	0	3	0	88	234	455	518	554	246	137	7	0	2242	322	1527	390
1985	0	0	10	164	322	361	500	429	305	112	1	0	2204	496	1290	418
1986	0	0	42	137	327	393	571	409	268	105	4	0	2256	506	1373	377
1987	0	0	47	201	343	508	620	489	321	53	19	0	2601	591	1617	393
1988	0	0	4	113	392	510	609	574	305	66	3	0	2576	509	1693	374
1989	0	0	19	74	280	382	567	512	322	161	0	0	2317	373	1461	483
1990	0	0	36	175	220	424	499	474	311	102	40	0	2281	431	1397	453
1991	0	2	14	137	367	506	526	535	270	98	3	0	2458	518	1567	371
1992	0	0	0	54	304	357	388	414	251	112	1	0	1881	358	1159	364
1993	0	0	24	51	237	359	540	525	188	86	0	0	2010	312	1424	274
1994	0	0	11	99	309	494	504	415	344	147	12	0	2335	419	1413	503
1995	0	0	37	27	253	540	556	612	273	113	0	0	2411	317	1708	386
1996	0	0	1	53	225	404	443	508	300	108	2	0	2044	279	1355	410
1997	0	1	4	81	159	466	514	389	300	157	1	0	2072	244	1369	458
1998	0	0	28	160	387	435	546	563	411	141	16	12	2699	575	1544	568
1999	0	0	31	129	308	464	635	460	303	102	52	0	2484	468	1559	457
2000	0	8	71	104	299	378	493	495	288	182	21	0	2339	474	1366	491
2001	0	0	0	140	283	440	559	561	277	105	58	7	2430	423	1560	440
2002	1	0	1	98	185	457	646	512	353	62	6	0	2321	284	1615	421
2003	0	0	30	116	226	391	537	572	310	124	4	0	2310	372	1500	438
2004	0	2	4	99	207	368	477	396	405	124	14	0	2096	310	1241	543
2005	0	0	19	148	219	556	585	540	404	169	14	0	2654	386	1681	587
2006	0	0	11	164	288	440	640	503	260	81	14	0	2401	463	1583	355
2007	0	0	49	128	337	489	556	551	376	203	4	0	2693	514	1596	583
2008	0	0	0	94	217	417	555	510	318	109	28	0	2248	311	1482	455
2009	0	0	14	86	233	408	428	455	362	33	32	0	2051	333	1291	427
2010	0	0	63	181	349	416	628	616	252	173	27	0	2705	593	1660	452
2011	0	1	4	54	232	397	666	538	268	171	11	0	2342	290	1601	450
2012	0	0	145	96	346	505	669	507	296	98	21	4	2687	587	1681	415
2013	0	0	0	54	279	410	544	509	332	120	3	0	2251	333	1463	455
2014	0	0	4	36	260	447	462	468	280	66	1	0	2024	300	1377	347
2015	0	0	21	113	291	376	561	465	428	121	51	1	2428	425	1402	600
2016	0	2	24	94	308	444	590	590	366	150	78	0	2646	426	1624	594
2017	0	15	8	106	218	458	557	425	382	167	5	3	2344	332	1440	554
2018	0	1	2	61	415	453	591	565	361	49	0	0	2498	478	1609	410
2019	0	0	3	65	203	403	621	456	336	83	0	0	2170	271	1480	419
2020	0	0	1	51	256	476	647	554	264	65	74	0	2388	308	1677	403
2021	0	0	35	108	262	538	554	578	346	221	23	2	2667	405	1670	590
2022	0	0	9	34	302	441	568	522	335	150	56	0	2417	345	1531	541
2023	0	0	0	107	310	473	545	502	373	140	22	1	2473	417	1520	535

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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	0.0	0.5	14.8	103.3	282.0	444.0	567.9	512.4	321.5	139.2	17.3	0.5	2403.5	400.1	1524.4	478.0
MEDIAN	0.0	0.0	4.0	95.5	275.5	445.5	564.5	512.5	324.5	133.0	12.0	0.0	2417.5	403.5	1537.5	472.0
STD	0.3	2.1	23.4	47.4	64.0	61.3	60.4	61.4	54.3	53.7	18.1	1.8	204.3	90.8	129.3	82.0
MAX	3.0	15.0	145.0	231.0	461.0	620.0	728.0	690.0	461.0	315.0	78.0	12.0	2899.0	694.0	1842.0	686.0
MIN	0.0	0.0	0.0	3.0	136.0	292.0	388.0	389.0	188.0	32.0	0.0	0.0	1881.0	190.0	1159.0	274.0
Count	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128
Interval/	1901	2000														
AVE	0.0	0.4	14.3	102.9	283.4	443.1	566.8	509.6	317.3	142.8	16.0	0.5	2397.0	400.5	1519.5	476.1
MEDIAN	0.0	0.0	4.0	94.0	276.5	445.5	564.5	512.5	321.5	136.5	11.5	0.0	2414.5	405.0	1522.0	473.0
STD	0.3	1.8	21.5	48.7	65.6	65.0	60.4	61.2	52.6	52.5	16.7	1.8	204.6	90.1	132.6	80.7
MAX	3.0	15.0	119.0	231.0	461.0	620.0	728.0	688.0	451.0	315.0	77.0	12.0	2899.0	694.0	1842.0	686.0
MIN	0.0	0.0	0.0	3.0	136.0	292.0	388.0	389.0	188.0	32.0	0.0	0.0	1881.0	190.0	1159.0	274.0
Interval/	1951	2000														
AVE	0.0	0.5	12.9	104.0	290.2	437.9	557.0	506.6	304.1	137.2	16.4	0.6	2367.4	407.1	1501.5	457.8
MEDIAN	0.0	0.0	5.0	102.0	284.0	444.5	557.5	511.5	305.0	130.0	9.5	0.0	2346.5	413.5	1482.0	452.5
STD	0.0	1.4	16.9	46.1	67.0	57.2	59.0	59.9	44.9	52.1	19.2	2.3	190.4	93.1	123.9	78.6
MAX	0.0	8.0	71.0	215.0	461.0	540.0	701.0	641.0	411.0	315.0	77.0	12.0	2834.0	694.0	1789.0	676.0
MIN	0.0	0.0	0.0	27.0	159.0	292.0	388.0	389.0	188.0	53.0	0.0	0.0	1881.0	227.0	1159.0	274.0
Interval/	1991	2020														
AVE	0.0	1.1	20.8	96.0	273.3	438.5	555.5	507.0	318.6	117.3	18.4	0.9	2347.3	390.1	1500.9	454.3
MEDIAN	0.0	0.0	11.0	97.0	269.5	440.0	556.0	509.5	306.5	112.5	11.5	0.0	2343.0	365.0	1522.0	445.0
STD	0.2	3.0	29.6	39.7	61.2	50.7	70.7	61.1	56.6	41.6	22.1	2.5	227.5	99.3	138.2	80.6
MAX	1.0	15.0	145.0	181.0	415.0	556.0	669.0	616.0	428.0	203.0	78.0	12.0	2705.0	593.0	1708.0	600.0
MIN	0.0	0.0	0.0	27.0	159.0	357.0	388.0	389.0	188.0	33.0	0.0	0.0	1881.0	244.0	1159.0	274.0
Interval/	1981	2010														
AVE	0.0	0.7	19.7	111.1	276.4	433.2	547.5	504.9	306.4	115.8	15.1	0.8	2331.7	407.2	1485.6	437.4
MEDIAN	0.0	0.0	14.0	101.5	281.5	429.5	550.5	511.0	304.0	112.0	10.0	0.0	2319.0	402.5	1491.0	432.5
STD	0.2	1.7	19.6	42.6	64.1	57.5	65.4	64.8	51.2	39.3	16.0	2.6	214.2	101.1	146.0	70.4
MAX	1.0	8.0	71.0	201.0	392.0	556.0	671.0	616.0	411.0	203.0	58.0	12.0	2705.0	593.0	1728.0	587.0
MIN	0.0	0.0	0.0	27.0	159.0	317.0	388.0	389.0	188.0	33.0	0.0	0.0	1881.0	227.0	1159.0	274.0
Interval/	1971	2000														
AVE	0.0	0.7	15.3	103.8	292.5	432.8	549.6	496.9	296.2	122.2	14.7	0.6	2325.2	411.6	1479.3	433.0
MEDIAN	0.0	0.0	10.5	96.0	301.5	428.5	551.0	509.5	300.0	112.0	7.5	0.0	2336.5	412.0	1460.0	421.5
STD	0.0	1.7	17.5	46.9	73.7	56.6	59.1	58.7	46.3	42.9	18.5	2.4	187.8	105.9	126.5	71.4
MAX	0.0	8.0	71.0	215.0	461.0	540.0	671.0	613.0	411.0	233.0	77.0	12.0	2699.0	694.0	1728.0	605.0
MIN	0.0	0.0	0.0	27.0	159.0	317.0	388.0	389.0	188.0	53.0	0.0	0.0	1881.0	227.0	1159.0	274.0
Interval/	1961	1990														
AVE	0.0	0.4	13.0	106.5	291.7	434.1	567.0	502.6	302.8	136.0	16.9	0.5	2371.7	411.3	1503.7	455.7
MEDIAN	0.0	0.0	5.0	106.5	274.5	429.5	569.0	511.5	316.0	130.0	9.5	0.0	2350.5	410.0	1480.5	441.0
STD	0.0	1.0	16.6	44.3	72.1	56.5	50.4	52.2	40.4	55.3	18.8	2.1	151.8	95.1	107.0	74.1
MAX	0.0	4.0	65.0	215.0	461.0	532.0	671.0	613.0	368.0	315.0	77.0	10.0	2725.0	694.0	1728.0	676.0
MIN	0.0	0.0	0.0	43.0	161.0	292.0	483.0	409.0	223.0	53.0	0.0	0.0	2131.0	227.0	1290.0	345.0
Interval/	1951	1980														
AVE	0.0	0.2	8.2	103.9	292.1	442.6	567.9	513.3	311.0	152.4	18.9	0.4	2411.0	404.2	1523.9	482.3
MEDIAN	0.0	0.0	3.0	115.5	269.0	446.5	563.0	513.0	329.0	143.0	10.5	0.0	2394.0	408.5	1515.5	474.5
STD	0.0	0.6	13.4	46.2	67.5	54.5	52.8	54.7	43.7	56.9	20.9	1.8	167.5	85.0	101.1	78.1
MAX	0.0	3.0	65.0	215.0	461.0	532.0	701.0	641.0	380.0	315.0	77.0	10.0	2834.0	694.0	1789.0	676.0
MIN	0.0	0.0	0.0	31.0	181.0	292.0	471.0	424.0	223.0	71.0	0.0	0.0	2131.0	285.0	1346.0	345.0
Interval/	1941	1970														
AVE	0.1	0.1	13.5	110.7	282.2	450.8	569.8	527.4	320.2	168.4	17.8	0.6	2461.5	406.4	1547.9	506.4
MEDIAN	0.0	0.0	3.0	118.5	268.0	450.5	567.0	528.0	329.0	157.0	13.0	0.0	2492.0	418.0	1550.0	506.0
STD	0.6	0.3	24.3	52.6	57.9	58.1	53.7	62.2	43.8	55.1	17.1	1.9	182.4	80.0	117.4	74.7
MAX	3.0	1.0	103.0	231.0	384.0	560.0	701.0	688.0	431.0	315.0	73.0	10.0	2834.0	564.0	1789.0	686.0
MIN	0.0	0.0	0.0	21.0	175.0	292.0	471.0	414.0	232.0	71.0	0.0	0.0	2145.0	225.0	1346.0	395.0

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	MAM	JJA	SON
Interval/ 1931 1960																
AVE	0.1	0.0	11.2	107.2	289.7	456.8	588.3	537.9	334.4	157.4	17.3	0.4	2500.8	408.0	1583.0	509.2
MEDIAN	0.0	0.0	2.0	91.0	276.0	451.5	588.0	531.0	330.0	147.0	12.0	0.0	2527.0	416.5	1590.0	512.0
STD	0.6	0.2	23.4	53.6	59.6	63.8	53.7	61.9	50.5	53.5	16.6	0.9	172.7	79.2	116.4	74.6
MAX	3.0	1.0	103.0	231.0	409.0	620.0	702.0	688.0	441.0	294.0	73.0	4.0	2834.0	564.0	1789.0	686.0
MIN	0.0	0.0	0.0	21.0	175.0	334.0	471.0	414.0	254.0	71.0	0.0	0.0	2145.0	225.0	1346.0	395.0
Interval/ 1921 1950																
AVE	0.1	0.5	14.5	106.0	284.3	453.8	587.3	526.8	337.2	151.6	15.5	0.3	2478.1	404.8	1568.0	504.3
MEDIAN	0.0	0.0	2.0	89.5	284.0	451.0	588.0	528.0	332.0	143.5	12.0	0.0	2521.0	403.5	1588.0	511.5
STD	0.6	2.7	23.6	50.1	66.5	72.5	57.1	59.2	55.2	52.5	14.6	0.9	212.7	88.6	134.3	74.2
MAX	3.0	15.0	103.0	231.0	409.0	620.0	728.0	688.0	441.0	294.0	62.0	4.0	2899.0	564.0	1842.0	686.0
MIN	0.0	0.0	0.0	21.0	136.0	334.0	488.0	414.0	238.0	38.0	0.0	0.0	1995.0	190.0	1296.0	336.0
Interval/ 1911 1940																
AVE	0.0	0.5	10.9	96.2	284.7	445.1	583.5	507.5	331.9	138.5	15.0	0.4	2414.2	391.8	1536.1	485.4
MEDIAN	0.0	0.0	3.5	86.5	284.5	439.0	588.0	508.0	335.0	135.5	12.5	0.0	2452.5	395.5	1556.5	491.0
STD	0.0	2.7	14.3	44.7	65.8	82.4	67.0	58.6	56.4	54.5	14.8	1.3	222.5	79.5	147.6	81.2
MAX	0.0	15.0	51.0	222.0	409.0	620.0	728.0	656.0	441.0	278.0	62.0	6.0	2899.0	553.0	1842.0	676.0
MIN	0.0	0.0	0.0	29.0	136.0	325.0	451.0	389.0	199.0	32.0	0.0	0.0	1941.0	190.0	1187.0	336.0
Interval/ 1901 1930																
AVE	0.0	0.5	16.0	99.3	268.3	439.4	562.5	494.3	322.9	140.9	15.4	0.2	2359.8	383.6	1496.2	479.3
MEDIAN	0.0	0.0	6.0	93.5	272.0	432.5	548.0	491.5	324.5	139.0	12.5	0.0	2349.5	395.5	1488.5	483.0
STD	0.0	2.7	23.4	48.8	62.3	72.6	63.6	56.3	57.4	51.1	14.6	1.1	220.5	87.1	141.5	78.9
MAX	0.0	15.0	119.0	222.0	381.0	589.0	728.0	596.0	451.0	278.0	62.0	6.0	2899	553	1842	660
MIN	0.0	0.0	0.0	3.0	136.0	325.0	451.0	389.0	199.0	32.0	0.0	0.0	1941	190	1187	336

Data as of 3 Jan 2024