

Wisconsin State Climatology Office

Cooling Degree Day Units - base 65°F: Northeast Wisconsin

Data Source: National Centers for Environmental Information

Jan 1895 -Jul 2023

SPRING SUMMER FALL WINTER

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	MAM	JJA	SON	DJF
1895	0	0	0	0	12	72	40	59	11	0	0	0	194	12	171	11	0
1896	0	0	0	0	38	57	78	79	0	0	0	0	252	38	214	0	0
1897	0	0	0	0	5	15	148	25	22	0	0	0	215	5	188	22	0
1898	0	0	0	0	10	53	105	45	11	0	0	0	224	10	203	11	0
1899	0	0	0	0	9	43	80	97	0	0	0	0	229	9	220	0	0
1900	0	0	0	0	13	34	61	187	9	8	0	0	312	13	282	17	0
1901	0	0	0	0	9	59	162	76	0	0	0	0	306	9	297	0	0
1902	0	0	0	0	13	16	103	33	0	0	0	0	165	13	152	0	0
1903	0	0	0	0	13	20	80	18	0	0	0	0	131	13	118	0	0
1904	0	0	0	0	9	33	47	24	0	0	0	0	113	9	104	0	0
1905	0	0	0	0	5	32	60	72	9	0	0	0	178	5	164	9	0
1906	0	0	0	0	6	38	76	103	21	0	0	0	244	6	217	21	0
1907	0	0	0	0	0	40	75	41	0	0	0	0	156	0	156	0	0
1908	0	0	0	0	9	36	96	56	29	0	0	0	226	9	188	29	0
1909	0	0	0	0	5	59	80	102	0	0	0	0	246	5	241	0	0
1910	0	0	0	0	0	82	122	66	0	0	0	0	270	0	270	0	0
1911	0	0	0	0	26	115	93	38	0	0	0	0	272	26	246	0	0
1912	0	0	0	0	9	23	83	17	5	0	0	0	137	9	123	5	0
1913	0	0	0	0	6	73	70	82	0	0	0	0	231	6	225	0	0
1914	0	0	0	0	18	30	146	52	5	0	0	0	251	18	228	5	0
1915	0	0	0	0	0	11	37	14	5	0	0	0	67	0	62	5	0
1916	0	0	0	0	7	12	240	97	0	0	0	0	356	7	349	0	0
1917	0	0	0	0	0	11	110	25	0	0	0	0	146	0	146	0	0
1918	0	0	0	0	16	30	72	80	0	0	0	0	198	16	182	0	0
1919	0	0	0	0	7	129	141	45	7	0	0	0	329	7	315	7	0
1920	0	0	0	0	7	65	49	46	12	6	0	0	185	7	160	18	0
1921	0	0	0	0	18	125	263	69	20	0	0	0	495	18	457	20	0
1922	0	0	0	0	38	55	63	66	10	0	0	0	232	38	184	10	0
1923	0	0	0	0	8	100	116	26	0	0	0	0	250	8	242	0	0
1924	0	0	0	0	0	15	39	33	0	0	0	0	87	0	87	0	0
1925	0	0	0	0	0	58	70	77	10	0	0	0	215	0	205	10	0
1926	0	0	0	0	11	12	81	53	0	0	0	0	157	11	146	0	0
1927	0	0	0	0	0	17	54	15	9	0	0	0	95	0	86	9	0
1928	0	0	0	0	12	12	91	67	0	0	0	0	182	12	170	0	0
1929	0	0	0	0	0	21	93	45	0	0	0	0	159	0	159	0	0
1930	0	0	0	0	13	66	110	95	7	0	0	0	291	13	271	7	0
1931	0	0	0	0	7	91	175	53	37	0	0	0	363	7	319	37	0
1932	0	0	0	0	10	78	118	98	0	0	0	0	304	10	294	0	0
1933	0	0	0	0	14	169	155	60	23	0	0	0	421	14	384	23	0
1934	0	0	0	0	34	94	116	30	0	0	0	0	274	34	240	0	0
1935	0	0	0	0	0	15	198	79	0	0	0	0	292	0	292	0	0
1936	0	0	0	0	27	22	206	83	12	0	0	0	350	27	311	12	0
1937	0	0	0	0	12	42	160	172	0	0	0	0	386	12	374	0	0
1938	0	0	0	0	9	37	98	114	0	0	0	0	258	9	249	0	0
1939	0	0	0	0	21	62	122	76	8	0	0	0	289	21	260	8	0
1940	0	0	0	0	0	37	103	53	7	0	0	0	200	0	193	7	0
1941	0	0	0	0	26	76	124	64	10	0	0	0	300	26	264	10	0
1942	0	0	0	0	7	38	78	67	0	0	0	0	190	7	183	0	0
1943	0	0	0	0	7	84	143	83	0	0	0	0	317	7	310	0	0
1944	0	0	0	0	23	70	90	100	0	0	0	0	283	23	260	0	0
1945	0	0	0	0	0	13	54	73	0	0	0	0	140	0	140	0	0
1946	0	0	0	0	6	32	90	38	0	0	0	0	166	6	160	0	0
1947	0	0	0	0	0	17	100	215	8	11	0	0	351	0	332	19	0
1948	0	0	0	0	7	39	110	97	18	0	0	0	271	7	246	18	0
1949	0	0	0	0	14	108	146	98	0	0	0	0	366	14	352	0	0
1950	0	0	0	0	7	46	50	19	0	0	0	0	122	7	115	0	0
1951	0	0	0	0	24	18	83	27	0	0	0	0	152	24	128	0	0
1952	0	0	0	0	9	65	124	56	5	0	0	0	259	9	245	5	0
1953	0	0	0	0	10	62	98	100	6	0	0	0	276	10	260	6	0
1954	0	0	0	0	0	73	95	43	0	0	0	0	211	0	211	0	0
1955	0	0	0	0	21	48	223	154	5	0	0	0	451	21	425	5	0
1956	0	0	0	0	6	68	46	66	0	0	0	0	186	6	180	0	0
1957	0	0	0	0	8	43	126	64	0	0	0	0	241	8	233	0	0
1958	0	0	0	0	7	12	70	73	5	0	0	0	167	7	155	5	0
1959	0	0	0	0	25	70	96	147	8	0	0	0	346	25	313	8	0
1960	0	0	0	0	7	24	69	93	7	0	0	0	200	7	186	7	0

**Cooling Degree Day Units - base 65°F: Northeast Wisconsin**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	MAM	JJA	SON	DJF
1961	0	0	0	0	5	48	88	85	7	0	0	0	233	5	221	7	0
1962	0	0	0	0	24	36	51	66	0	0	0	0	177	24	153	0	0
1963	0	0	0	0	6	75	122	49	0	10	0	0	262	6	246	10	0
1964	0	0	0	0	28	47	139	32	0	0	0	0	246	28	218	0	0
1965	0	0	0	0	21	27	56	50	0	0	0	0	154	21	133	0	0
1966	0	0	0	0	0	70	162	52	0	0	0	0	284	0	284	0	0
1967	0	0	0	0	0	50	63	28	0	0	0	0	141	0	141	0	0
1968	0	0	0	0	5	42	86	69	7	0	0	0	209	5	197	7	0
1969	0	0	0	0	11	7	83	123	0	0	0	0	224	11	213	0	0
1970	0	0	0	0	10	72	148	85	6	0	0	0	321	10	305	6	0
1971	0	0	0	0	5	96	53	37	9	6	0	0	206	5	186	15	0
1972	0	0	0	0	22	28	75	69	0	0	0	0	194	22	172	0	0
1973	0	0	0	0	0	66	122	114	5	0	0	0	307	0	302	5	0
1974	0	0	0	0	0	18	132	60	0	0	0	0	210	0	210	0	0
1975	0	0	0	0	29	53	148	74	0	0	0	0	304	29	275	0	0
1976	0	0	0	0	6	86	118	66	0	0	0	0	276	6	270	0	0
1977	0	0	0	0	61	32	160	29	0	0	0	0	282	61	221	0	0
1978	0	0	0	0	18	36	66	80	12	0	0	0	212	18	182	12	0
1979	0	0	0	0	0	33	103	46	6	0	0	0	188	0	182	6	0
1980	0	0	0	0	21	30	124	92	0	0	0	0	267	21	246	0	0
1981	0	0	0	0	7	52	91	82	0	0	0	0	232	7	225	0	0
1982	0	0	0	0	34	10	122	39	0	0	0	0	205	34	171	0	0
1983	0	0	0	0	0	48	209	154	8	0	0	0	419	0	411	8	0
1984	0	0	0	0	5	69	86	114	0	0	0	0	274	5	269	0	0
1985	0	0	0	0	23	21	78	52	0	0	0	0	174	23	151	0	0
1986	0	0	0	0	23	35	130	34	0	0	0	0	222	23	199	0	0
1987	0	0	0	0	20	104	167	74	7	0	0	0	372	20	345	7	0
1988	0	0	0	0	27	104	170	143	6	0	0	0	450	27	417	6	0
1989	0	0	0	0	9	32	130	90	0	0	0	0	261	9	252	0	0
1990	0	0	0	0	5	52	85	72	8	0	0	0	222	5	209	8	0
1991	0	0	0	0	31	105	93	112	0	0	0	0	341	31	310	0	0
1992	0	0	0	0	14	23	27	32	0	0	0	0	96	14	82	0	0
1993	0	0	0	0	10	25	98	98	0	0	0	0	231	10	221	0	0
1994	0	0	0	0	12	80	81	45	13	0	0	0	231	12	206	13	0
1995	0	0	0	0	9	125	124	163	0	0	0	0	421	9	412	0	0
1996	0	0	0	0	5	52	54	90	7	0	0	0	208	5	196	7	0
1997	0	0	0	0	0	76	83	32	8	0	0	0	199	0	191	8	0
1998	0	0	0	0	42	44	110	123	26	0	0	0	345	42	277	26	0
1999	0	0	0	0	23	72	182	66	0	0	0	0	343	23	320	0	0
2000	0	0	0	0	18	36	75	80	0	0	0	0	209	18	191	0	0
2001	0	0	0	0	19	57	110	141	0	0	0	0	327	19	308	0	0
2002	0	0	0	0	0	75	206	95	17	0	0	0	393	0	376	17	0
2003	0	0	0	0	8	36	103	128	7	0	0	0	282	8	267	7	0
2004	0	0	0	0	6	27	69	28	31	0	0	0	161	6	124	31	0
2005	0	0	0	0	7	134	148	115	29	0	0	0	433	7	397	29	0
2006	0	0	0	0	16	58	190	92	0	0	0	0	356	16	340	0	0
2007	0	0	0	0	24	94	118	114	18	5	0	0	373	24	326	23	0
2008	0	0	0	0	6	59	118	80	12	0	0	0	275	6	257	12	0
2009	0	0	0	0	10	40	37	56	17	0	0	0	160	10	133	17	0
2010	0	0	0	0	25	57	162	158	0	0	0	0	402	25	377	0	0
2011	0	0	0	0	10	46	203	114	0	0	0	0	373	10	363	0	0
2012	0	0	0	0	32	93	225	87	0	0	0	0	437	32	405	0	0
2013	0	0	0	0	13	48	114	89	8	0	0	0	272	13	251	8	0
2014	0	0	0	0	12	76	59	72	5	0	0	0	224	12	207	5	0
2015	0	0	0	0	18	35	110	76	46	0	0	0	285	18	221	46	0
2016	0	0	0	0	15	65	132	139	22	0	0	0	373	15	336	22	0
2017	0	0	0	0	7	69	105	45	18	0	0	0	244	7	219	18	0
2018	0	0	0	0	49	66	135	112	13	0	0	0	375	49	313	13	0
2019	0	0	0	0	0	39	153	53	15	0	0	0	260	0	245	15	0
2020	0	0	0	0	9	73	182	107	0	0	0	0	371	9	362	0	0
2021	0	0	0	0	9	115	110	125	11	7	0	0	377	9	350	18	0
2022	0	0	0	0	19	63	116	93	11	0	0	0	302	19	272	11	0
2023	0	0	0	0	15	73	98							15			

**Multi-year Statistics**

Interval/	1895	2022															
AVE	0.0	0.0	0.0	0.0	12.5	53.8	110.1	76.1	6.1	0.4	0.0	0.0	258.9	12.5	239.9	6.5	0.0
MEDIAN	0.0	0.0	0.0	0.0	9.0	48.0	103.0	72.5	0.0	0.0	0.0	0.0	250.5	9.0	226.5	0.0	0.0

Cooling Degree Day Units - base 65°F: Northeast Wisconsin

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	MAM	JJA	SON	DJF
STD	0.00	0.00	0.00	0.00	11.03	30.93	46.62	38.42	8.60	1.79	0.00	0.00	87.52	11.03	83.04	8.90	0.00
MAX	0	0	0	0	61	169	263	215	46	11	0	0	495	61	457	46	0
MIN	0	0	0	0	0	7	27	14	0	0	0	0	67	0	62	0	0
Count	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128

Interval/	1901	2000															
AVE	0.0	0.0	0.0	0.0	12.0	51.7	106.8	71.3	4.4	0.3	0.0	0.0	246.5	12.0	229.8	4.8	0.0
MEDIAN	0.0	0.0	0.0	0.0	9.0	45.0	97.0	67.0	0.0	0.0	0.0	0.0	232.5	9.0	221.0	0.0	0.0
STD	0.00	0.00	0.00	0.00	11.04	32.00	45.48	37.15	6.97	1.68	0.00	0.00	85.80	11.04	81.47	7.26	0.00
MAX	0	0	0	0	61	169	263	215	37	11	0	0	495	61	457	37	0
MIN	0	0	0	0	0	7	27	14	0	0	0	0	67	0	62	0	0

Interval/	1951	2000															
AVE	0.0	0.0	0.0	0.0	14.1	52.0	106.5	76.5	3.4	0.3	0.0	0.0	252.8	14.1	235.0	3.7	0.0
MEDIAN	0.0	0.0	0.0	0.0	10.0	48.0	97.0	70.5	0.0	0.0	0.0	0.0	231.5	10.0	219.5	0.0	0.0
STD	0.00	0.00	0.00	0.00	12.39	27.08	41.69	35.86	4.96	1.62	0.00	0.00	78.71	12.39	76.09	5.21	0.00
MAX	0	0	0	0	61	125	223	163	26	10	0	0	451	61	425	26	0
MIN	0	0	0	0	0	7	27	27	0	0	0	0	96	0	82	0	0

Interval/	1991	2020															
AVE	0.0	0.0	0.0	0.0	15.0	62.8	120.2	91.4	10.4	0.2	0.0	0.0	300.0	15.0	274.4	10.6	0.0
MEDIAN	0.0	0.0	0.0	0.0	12.0	58.5	112.0	91.0	7.5	0.0	0.0	0.0	306.0	12.0	272.0	7.5	0.0
STD	0.0	0.0	0.0	0.0	11.5	27.3	50.0	36.1	11.6	0.9	0.0	0.0	88.6	11.5	86.3	11.7	0.0
MAX	0	0	0	0	49	134	225	163	46	5	0	0	437	49	412	46	0
MIN	0	0	0	0	0	23	27	28	0	0	0	0	96	0	82	0	0

Interval/	1981	2010															
AVE	0.0	0.0	0.0	0.0	14.6	60.1	115.2	90.1	7.1	0.2	0.0	0.0	287.2	14.6	265.3	7.3	0.0
MEDIAN	0.0	0.0	0.0	0.0	11.0	54.5	110.0	90.0	3.0	0.0	0.0	0.0	274.5	11.0	262.0	3.0	0.0
STD	0.0	0.0	0.0	0.0	10.6	31.2	46.5	39.5	9.2	0.9	0.0	0.0	94.0	10.6	92.1	9.4	0.0
MAX	0	0	0	0	42	134	209	163	31	5	0	0	450	42	417	31	0
MIN	0	0	0	0	0	10	27	28	0	0	0	0	96	0	82	0	0

Interval/	1971	2000															
AVE	0.0	0.0	0.0	0.0	16.0	54.8	109.9	78.7	3.8	0.2	0.0	0.0	263.4	16.0	243.4	4.0	0.0
MEDIAN	0.0	0.0	0.0	0.0	13.0	50.0	106.5	74.0	0.0	0.0	0.0	0.0	231.5	13.0	221.0	0.0	0.0
STD	0.0	0.0	0.0	0.0	14.0	30.1	40.9	36.2	5.8	1.1	0.0	0.0	80.5	14.0	78.5	6.1	0.0
MAX	0	0	0	0	61	125	209	163	26	6	0	0	450	61	417	26	0
MIN	0	0	0	0	0	10	27	29	0	0	0	0	96	0	82	0	0

Interval/	1961	1990															
AVE	0.0	0.0	0.0	0.0	14.2	49.3	112.2	72.0	2.7	0.5	0.0	0.0	250.9	14.2	233.5	3.2	0.0
MEDIAN	0.0	0.0	0.0	0.0	9.5	47.5	120.0	69.0	0.0	0.0	0.0	0.0	232.5	9.5	219.5	0.0	0.0
STD	0.0	0.0	0.0	0.0	13.5	25.6	39.5	32.1	3.7	2.1	0.0	0.0	70.6	13.5	70.0	4.3	0.0
MAX	0	0	0	0	61	104	209	154	12	10	0	0	450	61	417	15	0
MIN	0	0	0	0	0	7	51	28	0	0	0	0	141	0	133	0	0

Interval/	1951	1980															
AVE	0.0	0.0	0.0	0.0	13.0	47.8	104.3	71.0	2.9	0.5	0.0	0.0	239.5	13.0	223.1	3.5	0.0
MEDIAN	0.0	0.0	0.0	0.0	8.5	47.5	97.0	66.0	0.0	0.0	0.0	0.0	228.5	8.5	215.5	0.0	0.0
STD	0.0	0.0	0.0	0.0	12.9	22.5	39.9	32.1	3.6	2.1	0.0	0.0	65.1	12.9	62.9	4.2	0.0
MAX	0	0	0	0	61	96	223	154	12	10	0	0	451	61	425	15	0
MIN	0	0	0	0	0	7	46	27	0	0	0	0	141	0	128	0	0

Interval/	1941	1970															
AVE	0.0	0.0	0.0	0.0	10.8	49.3	100.4	77.2	3.1	0.7	0.0	0.0	241.5	10.8	227.0	3.8	0.0
MEDIAN	0.0	0.0	0.0	0.0	7.0	47.5	92.5	68.0	0.0	0.0	0.0	0.0	237.0	7.0	219.5	0.0	0.0
STD	0.0	0.0	0.0	0.0	8.7	24.2	39.1	41.1	4.3	2.6	0.0	0.0	77.4	8.7	73.6	5.2	0.0
MAX	0	0	0	0	28	108	223	215	18	11	0	0	451	28	425	19	0
MIN	0	0	0	0	0	7	46	19	0	0	0	0	122	0	115	0	0

Interval/	1931	1960															
AVE	0.0	0.0	0.0	0.0	11.6	55.1	115.5	83.2	5.3	0.4	0.0	0.0	271.1	11.6	253.8	5.7	0.0
MEDIAN	0.0	0.0	0.0	0.0	8.5	47.0	106.5	74.5	0.0	0.0	0.0	0.0	275.0	8.5	254.5	0.0	0.0
STD	0.0	0.0	0.0	0.0	9.2	33.6	44.1	42.8	8.2	2.0	0.0	0.0	84.2	9.2	77.9	8.6	0.0
MAX	0	0	0	0	34	169	223	215	37	11	0	0	451	34	425	37	0
MIN	0	0	0	0	0	12	46	19	0	0	0	0	122	0	115	0	0

Interval/	1921	1950															
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**Cooling Degree Day Units - base 65°F: Northeast Wisconsin**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	MAM	JJA	SON	DJF
AVE	0.0	0.0	0.0	0.0	11.0	55.0	113.9	73.9	6.0	0.4	0.0	0.0	260.2	11.0	242.8	6.3	0.0
MEDIAN	0.0	0.0	0.0	0.0	8.5	44.0	106.5	68.0	0.0	0.0	0.0	0.0	272.5	8.5	247.5	0.0	0.0
STD	0.0	0.0	0.0	0.0	10.2	38.1	49.6	41.0	8.8	2.0	0.0	0.0	97.2	10.2	89.5	9.1	0.0
MAX	0	0	0	0	38	169	263	215	37	11	0	0	495	38	457	37	0
MIN	0	0	0	0	0	12	39	15	0	0	0	0	87	0	86	0	0
<b>Interval/ 1911 1940</b>																	
AVE	0.0	0.0	0.0	0.0	11.0	54.2	115.7	62.0	5.9	0.2	0.0	0.0	249.1	11.0	232.0	6.1	0.0
MEDIAN	0.0	0.0	0.0	0.0	9.0	39.5	106.5	56.5	2.5	0.0	0.0	0.0	250.5	9.0	234.0	2.5	0.0
STD	0.0	0.0	0.0	0.0	10.1	41.8	56.1	33.3	8.4	1.1	0.0	0.0	99.6	10.1	92.7	8.6	0.0
MAX	0	0	0	0	38	169	263	172	37	6	0	0	495	38	457	37	0
MIN	0	0	0	0	0	11	37	14	0	0	0	0	67	0	62	0	0
<b>Interval/ 1901 1930</b>																	
AVE	0.0	0.0	0.0	0.0	8.8	46.5	97.4	54.4	5.0	0.2	0.0	0.0	212.3	8.8	198.3	5.2	0.0
MEDIAN	0.0	0.0	0.0	0.0	7.5	34.5	82.0	52.5	0.0	0.0	0.0	0.0	206.5	7.5	183.0	0.0	0.0
STD	0.0	0.0	0.0	0.0	8.4	34.5	51.0	26.8	7.4	1.1	0.0	0.0	88.2	8.4	83.9	7.6	0.0
MAX	0	0	0	0	38	129	263	103	29	6	0	0	495	38	457	29	0
MIN	0	0	0	0	0	11	37	14	0	0	0	0	67	0	62	0	0

Data as of 4 Aug 2023