

Climatography of the United States

No. 20

1971-2000

Station: CRIVITZ HIGH FALLS, WI

COOP ID: 471897

Climate Division: WI 3

NWS Call Sign:

Elevation: 1,050 Feet Lat: 45° 21N

Lon: 88° 12W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	23.9	.1	12.0	52	1973	26	21.4	1990	-40	1951	30	3.1	1977	1644	0	.0	.0	.1	25.0	31.0	14.9
Feb	28.9	4.6	16.8	58	1958	23	28.9	1998	-37	1996	3	7.2	1979	1351	0	.0	.0	.6	17.9	28.0	10.7
Mar	39.1	16.1	27.6	76+	2000	9	35.9	1973	-31	1962	1	20.4	1996	1159	0	.0	.0	4.5	8.0	28.5	3.9
Apr	53.6	28.2	40.9	91	1990	27	46.3	1987	-3	1950	6	35.1	1995	723	0	.0	.1	18.1	.7	19.6	.0
May	67.9	39.5	53.7	94+	1970	22	62.1	1977	17	1992	6	45.8	1997	373	23	.0	.5	29.2	.0	7.2	.0
Jun	76.1	49.1	62.6	99	1971	28	67.2	1995	28+	1994	3	57.2	1982	122	49	.0	1.5	30.0	.0	.4	.0
Jul	79.9	53.8	66.9	103	1955	26	71.4	1983	33+	1986	3	60.8	1992	55	113	.1	2.2	31.0	.0	.0	.0
Aug	77.6	52.7	65.2	100	1955	21	69.8	1983	31	1965	29	60.0	1986	79	85	.0	1.1	31.0	.0	@	.0
Sep	68.6	43.4	56.0	98	1953	2	61.6	1998	19	1949	29	50.7	1974	277	7	.0	.1	29.6	.0	2.7	.0
Oct	56.6	32.3	44.5	88+	1963	7	52.2	1971	11	1988	30	38.6	1987	638	0	.0	.0	22.3	@	15.6	.0
Nov	40.5	21.0	30.8	75	1975	6	37.3	1999	-14	1950	24	22.5	1995	1026	0	.0	.0	5.9	6.3	26.0	.7
Dec	28.1	8.0	18.1	62	1998	4	26.1	1997	-27	1983	23	6.4	1989	1455	0	.0	.0	.5	20.5	30.4	8.4
Ann	53.4	29.1	41.3	103	Jul 1955	26	71.4	Jul 1983	-40	Jan 1951	30	3.1	Jan 1977	8902	277	.1	5.5	202.8	78.4	189.4	38.6

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

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Climatography of the United States

No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: CRIVITZ HIGH FALLS, WI

COOP ID: 471897

Climate Division: WI 3

NWS Call Sign:

Elevation: 1,050 Feet Lat: 45°21N

Lon: 88°12W

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med- ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.18	.99	2.03	1996	19	3.28	1996	.07	1981	7.5	3.8	.5	@	.21	.31	.49	.65	.81	.99	1.19	1.43	1.76	2.28	2.78
Feb	.89	.79	1.20	1955	20	2.22	1981	.07	1993	5.6	3.1	.3	.0	.11	.18	.30	.43	.56	.71	.88	1.09	1.38	1.85	2.31
Mar	1.88	2.00	1.90	1986	19	5.67	1977	.05	1993	7.1	4.7	1.3	.3	.23	.38	.64	.91	1.18	1.49	1.85	2.30	2.90	3.89	4.85
Apr	2.49	2.39	1.80	1958	6	4.31	1993	.41	1997	8.3	5.9	1.6	.4	.77	1.01	1.36	1.66	1.95	2.26	2.59	2.98	3.48	4.27	4.99
May	3.26	3.04	2.50	1976	16	7.95	1973	.77	1986	9.4	6.5	2.1	.7	.93	1.24	1.71	2.11	2.51	2.92	3.38	3.92	4.62	5.71	6.73
Jun	3.51	3.30	3.80	1969	27	7.51	1993	1.02	1988	9.7	6.9	2.3	.9	1.16	1.49	1.98	2.39	2.79	3.20	3.65	4.18	4.86	5.91	6.88
Jul	3.29	2.83	4.87	1982	11	8.51	1982	.33	1998	9.0	6.7	2.2	.8	.84	1.15	1.63	2.05	2.47	2.91	3.40	3.98	4.74	5.94	7.06
Aug	3.67	3.26	5.62	1974	3	12.53	1974	1.22	1991	9.5	6.5	2.2	.6	1.08	1.43	1.95	2.40	2.84	3.30	3.81	4.40	5.17	6.38	7.50
Sep	3.71	3.39	2.90	1975	11	7.95	1994	1.10	1999	10.1	6.9	2.5	.8	1.24	1.60	2.11	2.55	2.97	3.40	3.87	4.42	5.13	6.23	7.24
Oct	2.27	1.91	2.71	1995	6	6.25	1995	.49	1975	7.9	4.9	1.4	.5	.64	.85	1.18	1.46	1.74	2.03	2.36	2.74	3.23	4.00	4.73
Nov	2.19	2.11	3.28	1985	4	5.31	1985	.00	1976	7.5	4.9	1.3	.5	.29	.56	.93	1.24	1.56	1.89	2.25	2.70	3.28	4.20	5.08
Dec	1.49	1.56	1.60	1959	28	2.88	1982	.00	1986	7.6	4.7	.7	.0	.25	.45	.70	.91	1.11	1.32	1.56	1.83	2.19	2.76	3.29
Ann	29.83	30.07	5.62	Aug 1974	3	12.53	Aug 1974	.00+	Dec 1986	99.2	65.5	18.4	5.5	21.38	23.02	25.12	26.71	28.12	29.48	30.89	32.44	34.32	37.05	39.41

+ Also occurred on an earlier date(s)

Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

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Station: CRIVITZ HIGH FALLS, WI

COOP ID: 471897

Climate Division: WI 3

NWS Call Sign:

Elevation: 1,050 Feet

Lat: 45° 21N

Lon: 88° 12W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	12.0	11.8	12	11	16.0	1971	4	34.6	1999	39	1971	30	31	1971	6.2	4.5	1.6	.7	.2	-9.9	-9.9	-9.9	-9.9
Feb	9.2	8.2	15	14	10.5	1974	22	23.5	1971	47	1979	28	41	1979	3.8	2.8	1.0	.4	@	-9.9	-9.9	-9.9	-9.9
Mar	10.4	7.5	9	5	14.0	1989	4	34.9	1989	42+	1979	1	31	1979	3.7	2.7	1.4	.7	.2	-9.9	-9.9	-9.9	-9.9
Apr	3.0	1.0	1	#	11.0	1977	5	14.0	1977	19	1972	1	8	1972	1.0	.7	.3	.2	.1	2.6	2.2	1.8	1.1
May	.3	.0	#	0	4.0	1990	11	7.0	1990	7	1990	11	#	1990	.1	.1	.1	.0	.0	.1	.1	@	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.2	.0	#	0	2.0	1992	16	4.0	1992	#+	1993	9	#+	1993	.2	.1	.0	.0	.0	.0	.0	.0	.0
Nov	2.4	1.0	#	#	6.0	1991	27	8.5	1971	12	1991	27	2	1991	1.9	1.3	.5	.1	.0	2.1	.9	.5	.0
Dec	12.7	13.0	5	4	10.5	1990	18	25.5	1996	21	1983	31	14	1995	5.2	4.1	1.7	.6	@	-9.9	-9.9	-9.9	-9.9
Ann	50.2	42.5	N/A	N/A	16.0	Jan 1971	4	34.9	Mar 1989	47	Feb 1979	28	41	Feb 1979	22.1	16.3	6.6	2.7	.5	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:

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Climate Division: WI 3

NWS Call Sign:

Elevation: 1,050 Feet

Lat: 45°21N

Lon: 88°12W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/29	6/22	6/18	6/14	6/10	6/06	6/02	5/28	5/22
32	6/07	6/03	5/30	5/27	5/25	5/22	5/19	5/16	5/12
28	5/27	5/22	5/18	5/15	5/12	5/09	5/06	5/02	4/27
24	5/12	5/07	5/04	5/01	4/29	4/26	4/23	4/20	4/15
20	5/02	4/28	4/25	4/22	4/20	4/17	4/15	4/12	4/08
16	4/18	4/14	4/11	4/08	4/06	4/04	4/01	3/29	3/25
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/25	8/30	9/03	9/06	9/09	9/12	9/15	9/19	9/24
32	9/05	9/10	9/13	9/16	9/19	9/21	9/24	9/28	10/02
28	9/21	9/26	9/29	10/02	10/05	10/08	10/10	10/14	10/18
24	9/27	10/03	10/07	10/11	10/15	10/18	10/22	10/26	11/01
20	10/10	10/15	10/19	10/22	10/26	10/29	11/01	11/05	11/10
16	10/23	10/28	11/01	11/04	11/07	11/09	11/12	11/16	11/21
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	120	110	103	96	91	85	79	71	61
32	137	130	125	120	116	112	108	102	95
28	166	158	153	149	145	141	136	131	124
24	194	185	179	173	168	163	158	152	143
20	209	202	196	192	188	184	179	174	167
16	232	226	221	217	214	210	206	202	196

* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
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NWS Call Sign:

Elevation: 1,050 Feet Lat: 45° 21N Lon: 88° 12W

Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1644	1351	1159	723	373	122	55	79	277	638	1026	1455	8902
60	1489	1211	1004	575	253	49	13	23	155	486	876	1300	7434
57	1396	1127	911	488	193	24	5	9	99	399	786	1207	6644
55	1334	1071	849	431	158	14	0	3	69	344	726	1145	6144
50	1179	931	694	299	87	3	0	0	23	221	578	990	5005
32	632	448	214	25	2	0	0	0	0	13	148	463	1945

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	11	21	78	292	675	918	1081	1028	720	398	112	31	5365
55	0	0	0	8	118	241	368	319	99	16	0	0	1169
57	0	0	0	5	91	192	311	262	68	9	0	0	938
60	0	0	0	2	58	127	226	183	35	4	0	0	635
65	0	0	0	0	23	49	113	85	7	0	0	0	277
70	0	0	0	0	8	11	40	26	1	0	0	0	86

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	17	137	453	698	855	797	501	198	30	0	0	0	17	154	607	1305	2160	2957	3458	3656	3686	3686
45	0	0	5	74	312	549	700	642	356	102	8	0	0	0	5	79	391	940	1640	2282	2638	2740	2748	2748
50	0	0	0	35	193	400	545	488	227	47	2	0	0	0	0	35	228	628	1173	1661	1888	1935	1937	1937
55	0	0	0	15	106	265	391	335	124	15	0	0	0	0	0	15	121	386	777	1112	1236	1251	1251	1251
60	0	0	0	4	52	145	248	201	55	3	0	0	0	0	0	4	56	201	449	650	705	708	708	708
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	16	108	301	439	553	507	312	129	16	0	0	0	16	124	425	864	1417	1924	2236	2365	2381	2381

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Notes

- a. The monthly means are simple arithmetic averages computed by summing the monthly values for the period 1971-2000 and dividing by thirty. Prior to averaging, the data are adjusted if necessary to compensate for data quality issues, station moves or changes in station reporting practices. Missing months are replaced by estimates based on neighboring stations.
- b. The median is defined as the middle value in an ordered set of values. The median is being provided for the snow and precipitation elements because the mean can be a misleading value for precipitation normals.
- c. Only observed validated values were used to select the extreme daily values.
- d. Extreme monthly temperature/precipitation means were selected from the monthly normals data.
Monthly snow extremes were calculated from daily values quality controlled to be consistent with the Snow Climatology.
- e. Degree Days were derived using the same techniques as the 1971-2000 normals.
Complete documentation for the 1971-2000 Normals is available on the internet from:
www.ncdc.noaa.gov/oa/climate/normal/usnormals.html
- f. Mean "number of days statistics" for temperature and precipitation were calculated from a serially complete daily data set.
Documentation of the serially complete data set is available from the link below:
- g. Snowfall and snow depth statistics were derived from the Snow Climatology.
Documentation for the Snow Climatology project is available from the link under references.

Data Sources for Tables

Several different data sources were used to create the Clim20 climate summaries. In some cases the daily extremes appear inconsistent with the monthly extremes and or the mean number of days statistics. For example, a high daily extreme value may not be reflected in the highest monthly value or the mean number of days threshold that is less than and equal to the extreme value. Some of these difference are caused by different periods of record. Daily extremes are derived from the station's entire period of record while the serial data and normals data were for the 1971-2000 period. Therefore extremes observed before 1971 would not be included in the 1971-2000 normals or the 1971-2000 serial daily data set. Inconsistencies can also occur when monthly values are adjusted to reflect the current observing conditions or were replaced during the 1971-2000 Monthly Normals processing and are not reconciled with the Summary of the Day data.

- | | |
|---|---|
| <ol style="list-style-type: none">a. Temperature/ Precipitation Tables<ol style="list-style-type: none">1. 1971-2000 Monthly Normals2. Cooperative Summary of the Day3. National Weather Service station records4. 1971-2000 serially complete daily datab. Degree Day Table<ol style="list-style-type: none">1. Monthly and Annual Heating and Cooling Degree Days Normals to Selected Bases derived from 1971-2000 Monthly Normals2. Daily Normal Growing Degree Units to Selected Base Temperatures derived from 1971-2000 serially complete daily data | <ol style="list-style-type: none">c. Snow Tables<ol style="list-style-type: none">1. Snow Climatology2. Cooperative Summary of the Dayd. Freeze Data Table
1971-2000 serially complete daily data |
|---|---|

References

U.S. Climate Normals 1971-2000, www.ncdc.noaa.gov/normal.html
U.S. Climate Normals 1971-2000-Products Clim20, www.ncdc.noaa.gov/oa/climate/normal/usnormalsprods.html
Snow Climatology Project Description, www.ncdc.noaa.gov/oa/climate/monitoring/snowclim/mainpage.html
Eischeid, J. K., P. Pasteris, H. F. Diaz, M. Plantico, and N. Lott, 2000: Creating a serially complete, national daily time series of temperature and precipitation for the Western United States. J. Appl. Meteorol., 39, 1580-1591,
www1.ncdc.noaa.gov/pub/data/special/serialcomplete_jam_0900.pdf