

Climatography of the United States

No. 20

1971-2000

Station: CORNING, AR

COOP ID: 031632

Climate Division: AR 3

NWS Call Sign:

Elevation: 300 Feet

Lat: 36°25N

Lon: 90°35W

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	42.6	25.4	34.0	79	1943	24	42.9	1990	-21	1942	8	21.6	1977	962	0	.0	.0	10.2	4.5	22.5	.5
Feb	49.4	29.9	39.7	84	1962	13	46.9	1990	-14	1951	2	26.7	1978	710	0	.0	.0	15.9	2.0	15.2	.1
Mar	59.4	39.7	49.6	88	1939	23	54.7	1973	5+	1943	3	43.6	1996	482	3	.0	.0	26.4	.2	7.4	.0
Apr	70.3	49.0	59.7	95	1987	20	66.5	1981	25	1936	3	54.1	1983	193	32	.0	.3	29.6	.0	1.1	.0
May	78.8	58.3	68.6	101+	1934	30	73.7	1987	35+	1944	7	64.1	1976	53	163	.0	2.4	31.0	.0	.0	.0
Jun	86.9	66.7	76.8	113	1936	20	80.0	1971	44+	1930	1	72.3	1974	1	353	.2	13.4	30.0	.0	.0	.0
Jul	91.0	70.6	80.8	111	1934	24	85.4	1980	48+	1930	16	78.1	1972	0	490	2.2	22.0	31.0	.0	.0	.0
Aug	89.2	68.0	78.6	113+	1934	8	83.9	1983	46	1946	31	74.0	1992	0	421	1.6	17.9	31.0	.0	.0	.0
Sep	82.2	59.9	71.1	106+	1939	7	76.6	1998	32+	1942	29	64.7	1974	26	207	.2	7.1	30.0	.0	.0	.0
Oct	72.3	48.2	60.3	98	1938	5	67.0	1971	21	1952	29	54.2	1976	187	40	.0	.4	30.9	.0	1.1	.0
Nov	57.7	38.5	48.1	87	1937	1	54.9	1999	9+	1950	24	39.9	1976	510	2	.0	.0	23.5	.1	7.6	.0
Dec	46.5	29.7	38.1	78+	1939	7	45.8	1984	-8+	1989	22	26.0	1983	834	0	.0	.0	14.3	2.7	18.0	.3
Ann	68.9	48.7	58.8	113+	Jun 1936	20	85.4	Jul 1980	-21	Jan 1942	8	21.6	Jan 1977	3958	1711	4.2	63.5	303.8	9.5	72.9	.9

+ 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: 1930-2001

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

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No. 20 1971-2000

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

Station: CORNING, AR

COOP ID: 031632

Climate Division: AR 3

NWS Call Sign:

Elevation: 300 Feet Lat: 36°25N

Lon: 90°35W

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	3.35	3.26	6.00	1966	2	8.32	1982	.54	1986	7.4	5.5	2.4	.8	.96	1.28	1.76	2.17	2.58	3.00	3.47	4.02	4.74	5.86	6.90
Feb	3.61	3.28	4.09	1949	14	11.23	1989	.80	1996	7.1	5.8	2.4	1.1	.92	1.26	1.79	2.25	2.71	3.19	3.72	4.36	5.19	6.50	7.73
Mar	4.96	4.30	4.62	1975	28	13.51	1975	1.45	1982	9.2	7.5	3.6	1.4	1.63	2.10	2.79	3.38	3.94	4.53	5.17	5.91	6.88	8.37	9.74
Apr	4.45	3.96	3.79	1997	5	9.86	1973	1.58	1976	8.5	7.0	3.2	1.5	1.40	1.83	2.45	2.99	3.51	4.05	4.64	5.33	6.22	7.61	8.90
May	4.87	4.77	6.01	1946	1	8.29	1974	.93	1994	9.4	7.6	3.5	1.5	1.67	2.13	2.80	3.37	3.91	4.47	5.08	5.79	6.70	8.11	9.41
Jun	3.51	3.16	4.14	1937	10	7.67	1999	.62	1984	7.1	5.6	2.5	.9	.92	1.25	1.76	2.21	2.65	3.11	3.63	4.24	5.04	6.29	7.47
Jul	3.55	3.45	5.64	1938	31	13.14	1998	.05	1999	6.8	5.5	2.4	.9	.45	.73	1.23	1.73	2.25	2.83	3.50	4.34	5.46	7.32	9.11
Aug	3.22	2.51	4.85	1931	6	9.01	1977	.45	1989	5.9	4.5	1.9	1.0	.58	.87	1.34	1.78	2.22	2.71	3.26	3.92	4.81	6.24	7.60
Sep	3.61	2.81	6.47	1972	26	13.62	1977	.00	1999	5.5	4.6	2.0	1.1	.20	.55	1.10	1.63	2.20	2.82	3.55	4.45	5.67	7.69	9.65
Oct	3.43	2.92	6.18	1998	6	10.27	1984	1.03	1975	6.4	5.3	2.4	1.1	.93	1.26	1.75	2.19	2.61	3.06	3.55	4.13	4.89	6.09	7.20
Nov	5.09	4.96	4.90	1994	5	10.03	1994	.99	1999	8.2	6.7	3.3	1.6	1.40	1.88	2.61	3.25	3.88	4.54	5.27	6.13	7.25	9.01	10.65
Dec	4.40	4.10	4.60+	1932	30	10.88	1982	.97	1976	7.7	6.4	3.0	1.3	1.15	1.56	2.20	2.77	3.32	3.90	4.55	5.32	6.32	7.90	9.37
Ann	48.05	47.01	6.47	Sep 1972	26	13.62	Sep 1977	.00	Sep 1999	89.2	72.0	32.6	14.2	34.50	37.13	40.50	43.05	45.31	47.50	49.75	52.24	55.26	59.64	63.41

+ 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: 1930-2001

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

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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	4.1	1.3	#	0	9.0	1977	10	20.3	1977	8	1978	26	3	1978	1.7	1.3	.6	.2	.0	2.2	.8	.2	.0
Feb	2.6	.0	#	0	9.0	1979	25	19.5	1979	14	1979	26	5	1985	.9	.8	.4	.2	.0	.9	.5	.3	.1
Mar	1.1	.0	#	0	3.5	1975	14	5.5	1975	4	1975	14	#+	2000	.5	.4	.2	.0	.0	.4	.2	.0	.0
Apr	#	.0	#	0	#	1999	17	#	1999	#	1999	17	#	1999	.0	.0	.0	.0	.0	.0	.0	.0	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.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	#	.0	0	0	#	1989	19	#	1989	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	.7	.0	#	0	5.0	1971	23	7.0	1976	5	1976	12	#+	1995	.2	.2	.1	.1	.0	.2	.2	@	.0
Dec	1.1	.5	#	0	3.0	1975	26	4.0+	1990	7	1984	6	2	1984	.8	.6	@	.0	.0	1.5	.1	.0	.0
Ann	9.6	1.8	N/A	N/A	9.0+	Feb 1979	25	20.3	Jan 1977	14	Feb 1979	26	5	Feb 1985	4.1	3.3	1.3	.5	.0	5.2	1.8	.5	.1

+ 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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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	4/30	4/24	4/21	4/17	4/14	4/11	4/08	4/04	3/30
32	4/15	4/10	4/07	4/03	3/31	3/28	3/25	3/21	3/16
28	4/04	3/30	3/26	3/23	3/21	3/18	3/15	3/11	3/06
24	3/21	3/14	3/09	3/04	2/28	2/24	2/20	2/15	2/08
20	3/12	3/04	2/27	2/22	2/18	2/13	2/09	2/03	1/27
16	3/04	2/23	2/16	2/11	2/05	1/31	1/25	1/18	1/09
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	9/30	10/05	10/08	10/11	10/14	10/17	10/20	10/23	10/28
32	10/14	10/19	10/23	10/26	10/29	11/01	11/04	11/08	11/13
28	10/27	11/01	11/06	11/09	11/13	11/16	11/20	11/24	11/30
24	11/05	11/11	11/16	11/20	11/24	11/28	12/02	12/07	12/14
20	11/13	11/21	11/27	12/02	12/07	12/11	12/16	12/22	12/30
16	11/18	11/30	12/08	12/15	12/22	12/28	1/04	1/13	1/24
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	206	198	192	187	182	177	172	166	158
32	233	225	220	215	211	207	202	196	189
28	260	252	246	241	236	232	227	221	213
24	295	286	279	273	268	263	257	250	241
20	324	312	304	297	291	284	278	269	258
16	>365	346	331	321	313	305	297	288	275

* 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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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	962	710	482	193	53	1	0	0	26	187	510	834	3958
60	807	576	342	98	16	0	0	0	6	93	371	680	2989
57	716	498	265	58	7	0	0	0	2	56	294	593	2489
55	661	446	220	38	4	0	0	0	0	37	247	535	2188
50	516	327	128	10	0	0	0	0	0	10	150	397	1538
32	138	58	5	0	0	0	0	0	0	0	6	72	279

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	199	271	549	829	1133	1343	1513	1444	1172	876	489	262	10080
55	9	16	51	177	424	653	800	731	482	200	40	12	3595
57	2	11	34	137	365	593	738	669	424	156	26	7	3162
60	0	5	17	87	282	503	645	576	338	101	14	1	2569
65	0	0	3	32	163	353	490	421	207	40	2	0	1711
70	0	0	0	8	77	211	335	272	107	10	0	0	1020

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	74	161	364	619	913	1125	1286	1217	961	660	314	112	74	235	599	1218	2131	3256	4542	5759	6720	7380	7694	7806
45	35	90	239	474	758	975	1131	1062	811	506	204	55	35	125	364	838	1596	2571	3702	4764	5575	6081	6285	6340
50	16	40	140	336	603	825	976	907	661	356	116	24	16	56	196	532	1135	1960	2936	3843	4504	4860	4976	5000
55	2	17	72	209	449	675	821	752	513	231	62	5	2	19	91	300	749	1424	2245	2997	3510	3741	3803	3808
60	0	3	30	113	301	525	666	597	367	125	20	0	0	3	33	146	447	972	1638	2235	2602	2727	2747	2747
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	43	99	211	381	603	772	875	829	639	420	179	64	43	142	353	734	1337	2109	2984	3813	4452	4872	5051	5115

(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