

Climatography of the United States

No. 20

1971-2000

Station: WYNNE, AR

COOP ID: 038052

Climate Division: AR 6

NWS Call Sign:

Elevation: 260 Feet Lat: 35°15N Lon: 90°48W

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	45.1	27.0	36.1	76	1952	26	44.0	1989	-8	1985	20	23.9	1979	897	0	.0	.0	13.8	4.1	19.5	.2
Feb	51.2	31.0	41.1	81	1962	13	49.6	1976	-10	1951	2	28.5	1978	670	0	.0	.0	18.2	1.7	13.2	.1
Mar	60.5	40.0	50.3	86	1963	31	55.1	1974	10	1960	5	44.8	1996	460	1	.0	.0	27.3	.2	6.1	.0
Apr	69.6	48.1	58.9	91+	1987	20	63.6	1981	25	1987	4	52.5	1983	208	23	.0	.1	29.8	.0	1.1	.0
May	78.9	58.6	68.8	97+	1977	30	73.6	1998	34+	1954	4	63.8	1976	48	164	.0	2.2	31.0	.0	.0	.0
Jun	87.3	66.9	77.1	105	1954	28	81.5	1998	46+	1956	2	71.8	1974	1	364	.1	15.5	30.0	.0	.0	.0
Jul	90.6	70.7	80.7	108	1954	13	85.2	1980	51	1972	6	78.1	1994	0	484	1.1	22.0	31.0	.0	.0	.0
Aug	89.0	67.7	78.4	105+	1954	16	83.4	2000	48	1986	30	73.5	1992	1	415	.6	18.3	31.0	.0	.0	.0
Sep	82.7	60.1	71.4	103+	1954	4	77.3	1998	32	1967	29	65.1	1974	25	217	@	7.8	30.0	.0	.0	.0
Oct	73.9	49.0	61.5	96	1998	1	68.6	1971	18	1952	29	55.7	1976	162	52	.0	.6	30.9	.0	1.1	.0
Nov	59.1	39.1	49.1	85+	1955	13	54.9	1990	10	1950	25	40.0	1976	480	2	.0	.0	25.0	@	6.7	.0
Dec	49.4	31.4	40.4	80	1982	2	49.8	1984	-4+	1983	30	28.8	1983	763	0	.0	.0	17.4	1.9	15.1	.1
Ann	69.8	49.1	59.5	108	Jul 1954	13	85.2	Jul 1980	-10	Feb 1951	2	23.9	Jan 1979	3715	1722	1.8	66.5	315.4	7.9	62.8	.4

+ 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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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: WYNNE, AR

COOP ID: 038052

Climate Division: AR 6

NWS Call Sign:

Elevation: 260 Feet Lat: 35°15N

Lon: 90°48W

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	3.49	2.92	3.59	1956	29	8.80	1978	.36	1986	10.0	6.3	2.5	.7	.82	1.14	1.65	2.11	2.56	3.04	3.58	4.23	5.07	6.41	7.67
Feb	3.47	3.17	3.77	1966	10	9.72	1989	1.02	1980	7.8	5.8	2.7	1.0	1.18	1.51	1.99	2.39	2.78	3.18	3.62	4.13	4.78	5.80	6.73
Mar	4.80	4.39	3.41	1986	12	10.41	1975	1.38	1982	10.0	7.6	3.7	1.3	1.65	2.11	2.77	3.33	3.86	4.41	5.01	5.71	6.61	8.00	9.28
Apr	5.75	4.99	5.40	1973	18	16.26	1991	1.11	1987	9.2	7.0	3.7	2.0	1.49	2.03	2.86	3.60	4.32	5.09	5.93	6.94	8.25	10.32	12.26
May	4.85	4.64	4.13	1955	27	8.89	1983	1.57	1998	10.2	7.1	3.5	1.7	1.70	2.16	2.83	3.39	3.92	4.47	5.07	5.77	6.66	8.04	9.31
Jun	3.68	3.30	4.25	1974	7	8.54	1994	.40	1984	7.8	5.5	2.5	1.2	.91	1.25	1.79	2.26	2.73	3.23	3.79	4.45	5.31	6.68	7.96
Jul	2.91	2.40	6.02	1958	8	8.66	1994	.32	1986	6.5	4.5	1.8	.8	.45	.70	1.12	1.53	1.94	2.39	2.92	3.55	4.40	5.79	7.12
Aug	2.23	1.99	4.97	1964	26	5.89	1974	.00+	2000	5.5	3.7	1.4	.6	.00	.24	.64	1.00	1.36	1.76	2.22	2.78	3.54	4.78	5.98
Sep	3.56	2.53	6.70	1965	11	12.04	1977	.48	1981	7.2	4.9	2.2	1.0	.54	.84	1.36	1.85	2.36	2.92	3.57	4.35	5.41	7.13	8.78
Oct	3.71	3.46	4.73	1999	9	10.29	1984	.75	1978	6.7	4.9	2.6	1.1	.89	1.24	1.78	2.26	2.74	3.25	3.82	4.49	5.38	6.78	8.10
Nov	4.99	4.76	4.75	1988	19	10.58	1988	1.16	1998	9.3	6.7	3.6	1.8	1.68	2.15	2.84	3.43	3.99	4.57	5.20	5.94	6.90	8.37	9.73
Dec	4.86	3.87	5.57	1987	25	13.37	1987	.95	1981	9.3	6.9	3.3	1.6	1.33	1.79	2.49	3.10	3.70	4.33	5.03	5.85	6.92	8.60	10.17
Ann	48.30	48.59	6.70	Sep 1965	11	16.26	Apr 1991	.00+	Aug 2000	99.5	70.9	33.5	14.8	36.58	38.91	41.85	44.06	46.02	47.89	49.82	51.94	54.49	58.17	61.32

+ 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

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Station: WYNNE, AR

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NWS Call Sign:

Elevation: 260 Feet

Lat: 35°15N

Lon: 90°48W

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	2.5	.5	#	#	5.0	1973	7	12.0	1985	5+	2000	29	2	1978	1.4	.9	.3	.1	.0	1.4	.6	.1	.0
Feb	1.9	.0	#	0	8.0	1979	7	16.5	1979	9	1985	2	2	1985	.7	.5	.2	.1	.0	.8	.5	.5	.0
Mar	.1	.0	#	0	1.5	1987	30	1.5	1987	1	1980	1	#	1980	.1	.1	.0	.0	.0	.0	.0	.0	.0
Apr	#	.0	0	0	#	1973	9	#	1973	0	0	0	0	0	.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	.1	.0	#	0	1.0	1976	14	1.0	1976	#	1976	28	#	1976	.1	@	.0	.0	.0	.0	.0	.0	.0
Dec	.0	.0	#	0	.8	1983	27	.8+	1983	2	1983	22	#+	2000	.2	.0	.0	.0	.0	.1	.0	.0	.0
Ann	4.6	.5	N/A	N/A	8.0	Feb 1979	7	16.5	Feb 1979	9	Feb 1985	2	2+	Feb 1985	2.5	1.5	.5	.2	.0	2.3	1.1	.6	.0

+ 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

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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	4/21	4/17	4/14	4/11	4/09	4/07	4/04	4/01	3/28
32	4/14	4/09	4/06	4/03	3/31	3/28	3/26	3/22	3/18
28	4/02	3/26	3/21	3/16	3/12	3/08	3/04	2/27	2/20
24	3/19	3/12	3/07	3/02	2/26	2/22	2/17	2/12	2/05
20	3/08	2/28	2/22	2/17	2/13	2/08	2/03	1/28	1/20
16	2/26	2/17	2/10	2/05	1/30	1/24	1/18	1/08	0/00
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	9/29	10/04	10/08	10/11	10/14	10/17	10/20	10/24	10/29
32	10/13	10/19	10/23	10/26	10/29	11/02	11/05	11/09	11/15
28	10/29	11/04	11/08	11/12	11/15	11/18	11/22	11/26	12/02
24	11/06	11/13	11/19	11/23	11/28	12/02	12/07	12/12	12/20
20	11/13	11/25	12/03	12/11	12/18	12/25	1/01	1/10	1/22
16	12/05	12/14	12/20	12/25	12/31	1/05	1/12	1/20	0/00
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	205	199	195	191	187	184	180	176	170
32	230	224	219	215	212	208	204	199	193
28	274	265	258	252	247	242	236	230	221
24	303	293	286	280	274	268	262	255	245
20	353	332	320	311	303	296	288	278	265
16	>365	>365	>365	347	333	324	315	306	294

* 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

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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	897	670	460	208	48	1	0	1	25	162	480	763	3715
60	742	536	318	106	14	0	0	0	6	76	341	613	2752
57	658	458	240	63	5	0	0	0	2	43	265	527	2261
55	599	407	195	41	2	0	0	0	0	28	219	470	1961
50	458	291	106	10	0	0	0	0	0	7	126	338	1336
32	107	42	2	0	0	0	0	0	0	0	3	51	205

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	233	297	566	805	1139	1353	1507	1437	1182	913	516	311	10259
55	12	17	46	156	429	663	794	724	492	228	41	17	3619
57	8	12	29	118	370	603	732	662	434	181	27	12	3188
60	0	6	14	71	285	513	639	569	348	121	13	5	2584
65	0	0	1	23	164	364	484	415	217	52	2	0	1722
70	0	0	0	5	77	221	329	266	116	15	0	0	1029

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	114	207	408	650	938	1156	1292	1221	983	714	357	169	114	321	729	1379	2317	3473	4765	5986	6969	7683	8040	8209
45	59	122	277	502	783	1006	1137	1066	833	561	242	87	59	181	458	960	1743	2749	3886	4952	5785	6346	6588	6675
50	26	64	171	361	628	856	982	911	683	409	148	46	26	90	261	622	1250	2106	3088	3999	4682	5091	5239	5285
55	8	24	94	230	474	706	827	756	535	277	79	19	8	32	126	356	830	1536	2363	3119	3654	3931	4010	4029
60	0	4	38	128	326	556	672	601	388	162	33	3	0	4	42	170	496	1052	1724	2325	2713	2875	2908	2911
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	65	120	242	407	629	794	888	839	662	465	208	90	65	185	427	834	1463	2257	3145	3984	4646	5111	5319	5409

(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