Station: CLINTON, OK

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

COOP ID: 341909

Climate Division: OK 4 NWS Call Sign: Elevation: 1,610 Feet Lat: 35°31N Lon: 98°59W

| | Max Min Daily(2) Mean Daily(2) Mean Mean 100 90 50 32 32 Jan 47.5 22.8 35.2 83 1950 25 42.8 1990 -9 1984 19 23.7 1979 925 0 .0 .0 16.7 3.9 24.9 | | | | | | | | | | | | | | | | | | | | |
|-------|---|--------------|------|------|---|----|-------|-------------|------|-------------|-----|----------|-------------|---------|---------|------|------|-------|---------|----------|----------|
| | Mea | n (1) | | | | | | Extr | emes | | | | | | • | | Mean | Numb | er of I | Days (3) | |
| Month | | | Mean | - | ighest aily(2) Year Day Month(1) Year Daily(2) Year D | | | | | | Day | Month(1) | Year | Heating | Cooling | >= | >= | >= | <= | <= | Min <= 0 |
| Jan | 47.5 | 22.8 | 35.2 | 83 | 1950 | 25 | 42.8 | 1990 | -9 | 1984 | 19 | 23.7 | 1979 | 925 | 0 | .0 | .0 | 16.7 | 3.9 | 24.9 | .1 |
| Feb | 53.9 | 27.4 | 40.7 | 89 | 1996 | 23 | 49.7 | 1976 | -7 | 1996 | 4 | 28.0 | 1978 | 682 | 0 | .0 | .0 | 18.7 | 2.2 | 16.9 | .3 |
| Mar | 62.4 | 35.3 | 48.9 | 96 | 1971 | 27 | 53.4+ | 1974 | -2 | 1948 | 11 | 42.2 | 1996 | 500 | 1 | .0 | .2 | 27.4 | .2 | 8.3 | .0 |
| Apr | 71.7 | 45.0 | 58.4 | 102 | 1972 | 12 | 64.5 | 1972 | 20 | 1957 | 13 | 52.1 | 1997 | 234 | 34 | @ | 1.1 | 29.6 | .0 | 1.5 | .0 |
| May | 80.1 | 56.0 | 68.1 | 106+ | 1953 | 23 | 75.0 | 1996 | 30 | 1984 | 8 | 62.6 | 1976 | 59 | 153 | .3 | 5.1 | 31.0 | .0 | @ | .0 |
| Jun | 89.6 | 66.2 | 77.9 | 112+ | 1953 | 14 | 83.9 | 1990 | 44 | 1964 | 1 | 72.9 | 1983 | 4 | 392 | 3.3 | 17.5 | 30.0 | .0 | .0 | .0 |
| Jul | 95.8 | 70.4 | 83.1 | 115 | 1974 | 22 | 89.3 | 1980 | 50 | 1970 | 23 | 79.6 | 1975 | 0 | 562 | 11.3 | 27.0 | 31.0 | .0 | .0 | .0 |
| Aug | 94.5 | 69.1 | 81.8 | 113 | 1964 | 6 | 87.7 | 1980 | 49 | 1956 | 21 | 74.7 | 1992 | 0 | 520 | 10.1 | 24.8 | 31.0 | .0 | .0 | .0 |
| Sep | 85.7 | 61.0 | 73.4 | 111 | 1951 | 1 | 80.5 | 1998 | 33 | 1989 | 24 | 65.3 | 1974 | 21 | 271 | 2.4 | 12.4 | 30.0 | .0 | .0 | .0 |
| Oct | 74.3 | 48.0 | 61.2 | 101 | 1979 | 8 | 66.1 | 1979 | 15 | 1993 | 31 | 55.7 | 1976 | 155 | 35 | .1 | 1.4 | 30.8 | .0 | 1.2 | .0 |
| Nov | 59.8 | 35.1 | 47.5 | 88 | 1980 | 8 | 53.7 | 1999 | 9+ | 1959 | 17 | 42.4 | 2000 | 527 | 0 | .0 | .0 | 25.0 | .1 | 10.0 | .0 |
| Dec | 49.6 | 26.0 | 37.8 | 89 | 1955 | 24 | 42.6 | 1988 | -11 | 1989 | 23 | 25.6 | 1983 | 843 | 0 | .0 | .0 | 18.0 | 2.0 | 22.6 | .3 |
| Ann | 72.1 | 46.9 | 59.5 | 115 | Jul 1974 | 22 | 89.3 | Jul 1980 | -11 | Dec 1989 | 23 | 23.7 | Jan 1979 | 3950 | 1968 | 27.5 | 89.5 | 319.2 | 8.4 | 85.4 | .7 |

⁺ Also occurred on an earlier date(s)

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

Issue Date: February 2004 025-A

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

⁽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

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: CLINTON, OK COOP ID: 341909

Climate Division: OK 4 NWS Call Sign: Elevation: 1,610 Feet Lat: 35°31N Lon: 98°59W

| | | | | | | | | | | Pı | ecipi | tation | (incl | nes) | | | | | | | | | | |
|-------|-------|-------------|---------------------|-------------|-------|-----------------------|-------------|----------------------|-------------|------------|------------|------------------|------------|-------|------------|-----------|------------|-------------------|------------|-----------|---------|------------|----------|--------|
| | Mea | ans/ | P | recipi | tatio | on Total | | | | | of D | Jumbo Pays (3 |) | Proba | ability tl | nat the n | nonthly/ | annual j indic | ated am | ntion wi | | | less tha | ın the |
| | Medi | ans(1) | | | | Extremes | , | | | " | any 110 | cipitatio | | | Th | ese value | s were det | ermined | from the i | incomplet | e gamma | distributi | ion | |
| 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 | 1.05 | 1.19 | 1.88 | 1982 | 30 | 2.71 | 1973 | .00+ | 1986 | 4.2 | 2.2 | .7 | .2 | .00 | .07 | .23 | .39 | .57 | .77 | 1.00 | 1.30 | 1.71 | 2.39 | 3.07 |
| Feb | 1.17 | .89 | 1.95 | 1997 | 21 | 3.75 | 1997 | .00 | 1991 | 4.4 | 2.8 | .6 | .1 | .03 | .12 | .27 | .44 | .63 | .84 | 1.10 | 1.43 | 1.88 | 2.65 | 3.41 |
| Mar | 2.51 | 2.43 | 4.10 | 1992 | 18 | 6.80 | 1973 | .00 | 1972 | 5.7 | 4.0 | 1.7 | .8 | .07 | .24 | .57 | .93 | 1.33 | 1.79 | 2.35 | 3.06 | 4.05 | 5.72 | 7.37 |
| Apr | 2.56 | 2.05 | 2.85 | 1997 | 11 | 8.90 | 1997 | .10 | 1987 | 6.3 | 4.4 | 1.8 | .8 | .29 | .49 | .84 | 1.20 | 1.58 | 2.01 | 2.51 | 3.12 | 3.97 | 5.35 | 6.70 |
| May | 5.06 | 4.31 | 7.05 | 1951 | 17 | 17.79 | 1982 | .63 | 1984 | 9.0 | 6.4 | 3.2 | 1.5 | .91 | 1.35 | 2.09 | 2.78 | 3.49 | 4.25 | 5.12 | 6.17 | 7.57 | 9.83 | 11.99 |
| Jun | 4.06 | 3.32 | 4.60 | 1983 | 11 | 13.46 | 1989 | .24 | 1998 | 7.4 | 6.0 | 2.6 | 1.2 | 1.01 | 1.39 | 1.98 | 2.51 | 3.03 | 3.58 | 4.19 | 4.91 | 5.86 | 7.37 | 8.78 |
| Jul | 2.30 | 1.70 | 4.06 | 1975 | 24 | 10.20 | 1975 | .01 | 1980 | 5.2 | 3.7 | 1.6 | .6 | .12 | .25 | .52 | .83 | 1.19 | 1.60 | 2.11 | 2.77 | 3.69 | 5.26 | 6.83 |
| Aug | 2.94 | 2.28 | 5.57 | 1968 | 15 | 8.81 | 1995 | .00 | 2000 | 6.0 | 4.5 | 1.7 | .7 | .08 | .29 | .69 | 1.11 | 1.58 | 2.12 | 2.77 | 3.59 | 4.74 | 6.66 | 8.57 |
| Sep | 3.61 | 2.94 | 5.87 | 1996 | 15 | 11.00 | 1996 | .00 | 2000 | 6.3 | 4.6 | 2.2 | 1.1 | .12 | .39 | .90 | 1.42 | 1.99 | 2.65 | 3.43 | 4.42 | 5.79 | 8.08 | 10.33 |
| Oct | 3.01 | 2.15 | 8.07 | 1986 | 3 | 13.81 | 1986 | .00 | 1992 | 5.7 | 4.1 | 1.9 | .8 | .10 | .33 | .76 | 1.19 | 1.67 | 2.22 | 2.87 | 3.68 | 4.81 | 6.70 | 8.56 |
| Nov | 1.85 | 1.76 | 3.71 | 1964 | 5 | 5.32 | 1992 | .00+ | 1995 | 5.1 | 3.2 | 1.2 | .4 | .00 | .32 | .70 | .99 | 1.28 | 1.58 | 1.92 | 2.31 | 2.84 | 3.69 | 4.50 |
| Dec | 1.37 | .91 | 1.45 | 1984 | 16 | 4.77 | 1984 | .00 | 1976 | 4.4 | 2.7 | 1.2 | .3 | .05 | .15 | .34 | .54 | .76 | 1.01 | 1.30 | 1.67 | 2.19 | 3.06 | 3.91 |
| Ann | 31.49 | 30.10 | 8.07 | Oct 1986 | 3 | 17.79 | May 1982 | .00+ | Sep 2000 | 69.7 | 48.6 | 20.4 | 8.5 | 20.50 | 22.55 | 25.22 | 27.28 | 29.12 | 30.92 | 32.78 | 34.86 | 37.41 | 41.13 | 44.38 |

⁺ Also occurred on an earlier date(s)

Complete documentation available from:

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

[#] 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

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

COOP ID: 341909

Station: CLINTON, OK

Climate Division: OK 4 NWS Call Sign: Elevation: 1,610 Feet Lat: 35°31N Lon: 98°59W

| | | | | | | | | | | Snov | v (incl | hes) | | | | | | | | | | | |
|-------|----------------------|------------------------|-----------------------|-------------------------|----------------------------------|-------------|-------|------------------------------------|-------------|-----------------------------------|-------------|------|---|-------------|-----|-----|-------|------|------|--------|---------------|-----------------|------|
| | | | | | | Sno | ow To | tals | | | | | | | | | Mea | n Nu | mber | of Day | ys (1) | | |
| | Mean | s/Medi | ans (1) | 1 | | | | | Extre | mes (2) | | | | | | | ow Fa | | | | | Depth esholo | |
| 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 | 3.3 | 2.7 | # | 0 | 6.0 | 1973 | 7 | 10.5 | 1984 | 8 | 1973 | 22 | 6 | 1973 | 1.8 | 1.1 | .3 | .1 | .0 | -9.9 | -9.9 | -9.9 | -9.9 |
| Feb | 2.6 | .5 | # | 0 | 6.5 | 1986 | 10 | 12.6 | 1978 | 5 | 1993 | 15 | #+ | 1998 | 1.2 | .9 | .3 | .1 | .0 | .7 | .4 | .1 | .0 |
| Mar | .3 | .0 | # | 0 | 8.0 | 1994 | 9 | 8.0 | 1994 | 4 | 1995 | 3 | #+ | 1998 | .3 | .1 | .1 | @ | .0 | .2 | .2 | .0 | .0 |
| Apr | # | .0 | 0 | 0 | # | 1983 | 5 | # | 1983 | 4 | 1973 | 8 | 4 | 1973 | .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 | 0 | .8 | 1991 | 31 | .8 | 1991 | 0 | 0 | 0 | 0 | 0 | @ | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| Nov | .6 | .0 | # | 0 | 5.0 | 1988 | 20 | 5.0 | 1988 | 3 | 1972 | 18 | #+ | 2000 | .3 | .2 | .1 | @ | .0 | .1 | .1 | .0 | .0 |
| Dec | 1.9 | 1.0 | # | 0 | 6.0 | 1972 | 15 | 7.8 | 1972 | 6 | 2000 | 27 | #+ | 2000 | .9 | .7 | .2 | @ | .0 | .0 | .0 | .0 | .0 |
| Ann | 8.7 | 4.2 | N/A | N/A | 8.0 | Mar 1994 | 9 | 12.6 | Feb 1978 | 8 | Jan 1973 | 22 | 6 | Jan 1973 | 4.5 | 3.0 | 1.0 | .2 | .0 | -9.9 | -9.9 | -9.9 | -9.9 |

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

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

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

[@] 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

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COOP ID: 341909

Lon: 98°59W

Lat: 35°31N

Station: CLINTON, OK

Climate Division: OK 4

NWS Call Sign:

Elevation: 1,610 Feet

| | | | | Freez | e Data | | | | | | | | | | |
|----------|--|-------|----------------|---------------|----------------|---------------|--------------|-------|-------|--|--|--|--|--|--|
| | | | Spri | ng Freeze D | ates (Month/ | (Day) | | | | | | | | | |
| Tomn (F) | Probability of later date in spring (thru Jul 31) than indicated(*) 10 20 30 40 50 60 70 80 90 36 5002 477 473 4728 4729 4721 4728 4725 3721 3718 3714 3708 28 470 470 371 3728 3725 3721 3718 3714 3708 24 3731 374 3719 3715 3711 3707 3703 226 2719 20 3721 3713 3707 3702 2725 2720 2715 2709 2701 16 3712 3703 2724 2719 2714 2708 2703 1777 1718 18 Freeze Dates (Month/Day) 19 10 20 30 40 50 60 70 80 90 26 1003 1008 1012 10715 10718 1022 1025 1029 11703 32 10714 1020 10724 10727 1030 11702 11705 11709 11715 28 1023 1029 11703 11706 11710 11713 11717 11721 11728 24 10727 11704 11710 11716 11720 11725 11730 12706 12715 20 11711 11718 11723 11727 1201 1205 1209 12713 1220 4 10727 11704 11710 11716 11720 11725 11730 12706 12715 20 11711 11718 11723 11727 1201 1205 1209 12713 1220 4 10727 11704 11710 11716 11720 11725 11730 12706 12715 20 11711 11718 11723 11727 1201 1205 1209 12713 1220 4 10727 11704 11710 11716 11720 11725 11730 12706 12715 20 11711 11718 11726 12704 12711 12718 1224 1231 1.09 1720 4 10728 10728 10729 11703 11727 12710 12705 12709 12713 12720 4 10728 10728 10728 10729 10725 10729 12713 12720 5 10729 11711 11728 12724 12731 1.09 1720 5 10729 10725 10725 10729 12713 12720 6 11715 11726 12704 12711 12718 12724 12731 1.09 1720 6 11715 11726 12704 12711 12718 12724 12731 1.09 1720 6 11715 11726 12704 12711 12718 12724 12731 1.09 1720 6 11715 11726 12704 12711 12718 12724 12731 1.09 1720 7 7 7 7 7 7 7 7 7 | | | | | | | | | | | | | | |
| Temp (F) | .10 | .20 | .30 | .40 | .50 | .60 | .70 | .80 | .90 | | | | | | |
| 36 | 5/02 | 4/27 | 4/23 | 4/20 | 4/17 | 4/14 | 4/11 | 4/07 | 4/02 | | | | | | |
| 32 | 4/19 | 4/14 | 4/11 | 4/08 | 4/05 | 4/02 | 3/30 | 3/26 | 3/21 | | | | | | |
| 28 | 4/10 | 4/04 | 3/31 | 3/28 | 3/25 | 3/21 | 3/18 | 3/14 | 3/08 | | | | | | |
| 24 | 3/31 | 3/24 | 3/19 | 3/15 | 3/11 | 3/07 | 3/03 | 2/26 | 2/19 | | | | | | |
| 20 | 3/21 | 3/13 | 3/07 | 3/02 | 2/25 | 2/20 | 2/15 | 2/09 | 2/01 | | | | | | |
| 16 | 3/12 | 3/03 | 2/24 | 2/19 | 2/14 | 2/08 | 2/03 | 1/27 | 1/18 | | | | | | |
| 1 | | 1 | Fal | l Freeze Da | tes (Month/D | ay) | 1 | II. | 1 | | | | | | |
| Tomp (F) | | Pro | bability of ea | arlier date i | n fall (beginn | ing Aug 1) t | han indicate | ed(*) | | | | | | | |
| Temp (r) | .10 | .20 | .30 | .40 | .50 | .60 | .70 | .80 | .90 | | | | | | |
| 36 | 10/03 | 10/08 | 10/12 | 10/15 | 10/18 | 10/22 | 10/25 | 10/29 | 11/03 | | | | | | |
| 32 | 10/14 | 10/20 | 10/24 | 10/27 | 10/30 | 11/02 | 11/05 | 11/09 | 11/15 | | | | | | |
| 28 | 10/23 | 10/29 | 11/03 | 11/06 | 11/10 | 11/13 | 11/17 | 11/21 | 11/28 | | | | | | |
| 24 | 10/27 | 11/04 | 11/10 | 11/16 | 11/20 | 11/25 | 11/30 | 12/06 | 12/15 | | | | | | |
| 20 | 11/11 | 11/18 | 11/23 | 11/27 | 12/01 | 12/05 | 12/09 | 12/13 | 12/20 | | | | | | |
| 16 | 11/15 | 11/26 | 12/04 | 12/11 | 12/18 | 12/24 | 12/31 | 1/09 | 1/20 | | | | | | |
| | | • | | Freeze F | ree Period | | | | | | | | | | |
| Temp (F) | | | Probability | of longer th | an indicated | freeze free p | eriod (Days) | | | | | | | | |
| Temp (r) | .10 | .20 | .30 | .40 | .50 | .60 | .70 | .80 | .90 | | | | | | |
| 36 | 202 | 196 | 191 | 187 | 184 | 180 | 176 | 172 | 165 | | | | | | |
| 32 | 231 | 223 | 217 | 212 | 208 | 203 | 198 | 192 | 184 | | | | | | |
| 28 | 252 | 244 | 239 | 234 | 229 | 225 | 220 | 215 | 207 | | | | | | |
| 24 | 285 | 274 | 267 | 260 | 254 | 248 | 241 | 233 | 222 | | | | | | |
| 20 | 312 | 300 | 292 | 285 | 278 | 272 | 265 | 256 | 245 | | | | | | |
| 16 | 346 | 331 | 320 | 312 | 304 | 297 | 289 | 279 | 266 | | | | | | |

^{*} 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.

Complete documentation available from:

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COOP ID: 341909

Station: CLINTON, OK

Climate Division: OK 4 NWS Call Sign: Elevation: 1,610 Feet Lat: 35°31N Lon: 98°59W

| | | | | Deg | ree Days t | o Selected | Base Tem | peratures | (°F) | | | | |
|-------|-----|-----|-----|-----|------------|------------|------------|-----------|------|-----|-----|-----|------|
| Base | | | | | | Heatin | g Degree l | Days (1) | | | | | |
| Below | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Ann |
| 65 | 925 | 682 | 500 | 234 | 59 | 4 | 0 | 0 | 21 | 155 | 527 | 843 | 3950 |
| 60 | 770 | 552 | 354 | 134 | 19 | 0 | 0 | 0 | 5 | 64 | 382 | 688 | 2968 |
| 57 | 679 | 475 | 271 | 88 | 8 | 0 | 0 | 0 | 1 | 32 | 302 | 596 | 2452 |
| 55 | 618 | 425 | 222 | 64 | 4 | 0 | 0 | 0 | 0 | 18 | 252 | 536 | 2139 |
| 50 | 473 | 311 | 122 | 23 | 0 | 0 | 0 | 0 | 0 | 3 | 148 | 393 | 1473 |
| 32 | 94 | 56 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 52 | 210 |

| Base | | | | | | Coolin | g Degree l | Days (1) | | | | | |
|-------|-----|-----|-----|-----|------|--------|------------|----------|------|-----|-----|-----|-------|
| Above | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Ann |
| 32 | 192 | 298 | 526 | 790 | 1117 | 1378 | 1585 | 1543 | 1240 | 903 | 468 | 231 | 10271 |
| 55 | 3 | 23 | 32 | 164 | 409 | 688 | 872 | 830 | 550 | 208 | 25 | 3 | 3807 |
| 57 | 2 | 17 | 19 | 129 | 350 | 628 | 810 | 768 | 491 | 160 | 15 | 1 | 3390 |
| 60 | 0 | 10 | 9 | 84 | 268 | 538 | 717 | 675 | 405 | 99 | 6 | 0 | 2811 |
| 65 | 0 | 0 | 1 | 34 | 153 | 392 | 562 | 520 | 271 | 35 | 0 | 0 | 1968 |
| 70 | 0 | 0 | 0 | 10 | 71 | 257 | 407 | 370 | 162 | 8 | 0 | 0 | 1285 |

| | | | | | | | | | | Gro | wing] | Degre | e Uni | ts (2) | | | | | | | | | | |
|-------|---|-----|-----|-----|--------|----------|----------|-----------|------|-----|--------|-------|---|--------|-----|------|------|------|------|------|------|------|------|------|
| Base | | | | | Growin | g Degree | Units (M | (Ionthly) | | | | | Growing Degree Units (Accumulated Monthly) | | | | | | | | | | | |
| | Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov D | | | | | | | | | | | | | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| 40 | 85 | 183 | 377 | 611 | 916 | 1161 | 1362 | 1323 | 1031 | 703 | 295 | 108 | 85 | 268 | 645 | 1256 | 2172 | 3333 | 4695 | 6018 | 7049 | 7752 | 8047 | 8155 |
| 45 | 33 101 248 465 761 1011 1207 1168 881 550 186 | | | | | | | | | | | 48 | 33 | 134 | 382 | 847 | 1608 | 2619 | 3826 | 4994 | 5875 | 6425 | 6611 | 6659 |
| 50 | 6 47 146 323 606 861 1052 1013 731 403 102 | | | | | | | | | | | 13 | 6 | 53 | 199 | 522 | 1128 | 1989 | 3041 | 4054 | 4785 | 5188 | 5290 | 5303 |
| 55 | 0 | 17 | 72 | 201 | 454 | 711 | 897 | 858 | 584 | 264 | 42 | 2 | 0 | 17 | 89 | 290 | 744 | 1455 | 2352 | 3210 | 3794 | 4058 | 4100 | 4102 |
| 60 | 0 | 2 | 30 | 103 | 305 | 561 | 742 | 703 | 440 | 152 | 16 | 0 | 0 | 2 | 32 | 135 | 440 | 1001 | 1743 | 2446 | 2886 | 3038 | 3054 | 3054 |
| Base | e Growing Degree Units for Corn (Monthly) | | | | | | | | | | | | Growing Degree Units for Corn (Accumulated Monthly) | | | | | | | | | | | |
| 50/86 | 50/86 77 140 252 390 598 770 881 861 673 446 191 8 | | | | | | | | | | | 87 | 77 | 217 | 469 | 859 | 1457 | 2227 | 3108 | 3969 | 4642 | 5088 | 5279 | 5366 |

(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

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.

Compete documentation for the 1971-2000 Normals is available on the internet from:

www.ncdc.noaa.gov/oa/climate/normals/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 are 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.

- a. Temperature/ Precipitation Tables
 - 1. 1971-2000 Monthly Normals
 - 2. Cooperative Summary of the Day
 - 3. National Weather Service station records
 - 4. 1971-2000 serially complete daily data

- c. Snow Tables
 - 1. Snow Climatology
 - 2. Cooperative Summary of the Day
- d. Freeze Data Table

1971-2000 serially complete daily data

- b. Degree Day Table
 - 1. Monthly and Annual Heating and Cooling Degree Days Normals to Selected Bases derived from 1971-2000 Monthly Normals
 - 2. Daily Normal Growing Degree Units to Selected Base Temperatures derived from 1971-2000 serially complete daily data

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