

Summary of Monthly Normals
1991-2020
 Generated on 08/02/2021

| Temperature (°F) | | | | | | | | | | | | | | | | | | | | | | |
|------------------|-----------|-----------|------|-----------------------|-----------------------|-----------------------|---------------------|-------|-------|-------|------|------|---------------------|--------|--------|--------|---------------------|-----------|-----------|-----------|-----------|----------|
| Mean | | | | | | | Cooling Degree Days | | | | | | Heating Degree Days | | | | Mean Number of Days | | | | | |
| | | | | | | | Base (above) | | | | | | Base (above) | | | | | | | | | |
| Month | Daily Max | Daily Min | Mean | Long Term Max Std Dev | Long Term Min Std Dev | Long Term Avg Std Dev | 55 | 57 | 60 | 65 | 70 | 72 | 55 | 57 | 60 | 65 | Max >= 100 | Max >= 90 | Max >= 50 | Max <= 32 | Min <= 32 | Min <= 0 |
| 01 | 28.9 | 10.7 | 19.8 | 4.8 | 7.1 | 5.9 | 0.4 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 1091.3 | 1153.2 | 1246.1 | 1401.0 | 0.0 | 0.0 | 2.0 | 18.0 | 28.8 | 8.7 |
| 02 | 30.9 | 11.7 | 21.3 | 5.2 | 6.3 | 5.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 943.4 | 999.5 | 1083.5 | 1223.5 | 0.0 | 0.0 | 1.6 | 14.5 | 26.4 | 6.9 |
| 03 | 39.6 | 21.6 | 30.6 | 4.7 | 4.9 | 4.7 | 3.0 | 2.3 | 1.3 | 0.3 | 0.0 | 0.0 | 759.3 | 820.6 | 912.6 | 1066.7 | 0.0 | 0.0 | 6.3 | 8.0 | 24.9 | 1.7 |
| 04 | 53.5 | 34.5 | 44.0 | 3.5 | 2.6 | 2.9 | 22.5 | 15.0 | 7.9 | 2.0 | 0.2 | 0.0 | 352.5 | 405.1 | 487.9 | 632.0 | 0.0 | 0.0 | 18.7 | 0.4 | 12.8 | 0.0 |
| 05 | 66.9 | 47.2 | 57.0 | 3.9 | 3.0 | 3.3 | 147.9 | 115.1 | 75.3 | 30.7 | 9.0 | 4.8 | 84.6 | 113.7 | 166.8 | 277.3 | 0.0 | 0.0 | 29.8 | 0.0 | 1.1 | 0.0 |
| 06 | 75.3 | 56.9 | 66.1 | 2.5 | 2.0 | 2.1 | 338.8 | 283.6 | 206.9 | 101.9 | 37.7 | 23.1 | 6.0 | 10.7 | 23.9 | 68.9 | 0.0 | 0.7 | 30.0 | 0.0 | 0.0 | 0.0 |
| 07 | 79.8 | 62.0 | 70.9 | 3.0 | 2.1 | 2.5 | 492.8 | 430.9 | 338.9 | 195.3 | 82.7 | 52.0 | 0.0 | 0.1 | 1.1 | 12.5 | 0.0 | 1.4 | 31.0 | 0.0 | 0.0 | 0.0 |
| 08 | 78.7 | 60.5 | 69.6 | 2.4 | 1.9 | 2.0 | 452.8 | 391.4 | 301.2 | 164.3 | 64.2 | 37.7 | 0.3 | 0.9 | 3.7 | 21.8 | 0.0 | 1.1 | 31.0 | 0.0 | 0.0 | 0.0 |
| 09 | 71.8 | 52.3 | 62.1 | 2.5 | 2.3 | 2.3 | 237.6 | 191.5 | 131.7 | 59.2 | 19.4 | 11.0 | 26.2 | 40.1 | 70.3 | 147.8 | 0.0 | 0.3 | 30.0 | 0.0 | 0.2 | 0.0 |
| 10 | 58.6 | 41.0 | 49.8 | 2.8 | 2.8 | 2.7 | 51.1 | 36.1 | 19.8 | 5.2 | 1.0 | 0.4 | 212.2 | 259.3 | 336.0 | 476.4 | 0.0 | 0.0 | 25.4 | 0.0 | 6.0 | 0.0 |
| 11 | 46.4 | 30.5 | 38.4 | 4.3 | 3.3 | 3.7 | 5.3 | 2.7 | 1.0 | 0.1 | 0.0 | 0.0 | 501.8 | 559.3 | 647.6 | 796.6 | 0.0 | 0.0 | 11.5 | 2.5 | 17.3 | 0.2 |
| 12 | 34.9 | 19.7 | 27.3 | 4.7 | 5.0 | 4.8 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 858.9 | 920.7 | 1013.6 | 1168.6 | 0.0 | 0.0 | 3.3 | 12.0 | 26.4 | 2.5 |
| Summary | 55.4 | 37.4 | 46.4 | 3.7 | 3.6 | 3.6 | 1752 | 1469 | 1084 | 559 | 214 | 129 | 4836 | 5283 | 5993 | 7293 | 0.0 | 3.5 | 220.6 | 55.4 | 143.9 | 20.0 |

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

Summary of Monthly Normals 1991-2020

Generated on 08/02/2021

| Precipitation (in.) | | | | | | | | |
|---------------------|--------|---------------------|---------|---------|---------|--|-------|-------|
| | Totals | Mean Number of Days | | | | Precipitation Probabilities Probability that precipitation will be equal to or less than the indicated amount | | |
| | Means | Daily Precipitation | | | | Monthly Precipitation vs. Probability Levels | | |
| Month | Mean | >= 0.01 | >= 0.10 | >= 0.50 | >= 1.00 | 0.25 | 0.50 | 0.75 |
| 01 | 3.58 | 17.9 | 10.3 | 1.9 | 0.4 | 2.43 | 3.58 | 4.23 |
| 02 | 2.88 | 14.8 | 8.0 | 1.5 | 0.1 | 2.05 | 2.80 | 3.42 |
| 03 | 2.75 | 13.1 | 7.5 | 1.8 | 0.3 | 1.77 | 2.81 | 3.52 |
| 04 | 3.53 | 13.6 | 8.4 | 2.1 | 0.5 | 2.19 | 3.92 | 4.82 |
| 05 | 3.65 | 13.8 | 8.1 | 2.2 | 0.6 | 2.09 | 3.12 | 5.65 |
| 06 | 3.71 | 12.7 | 8.4 | 2.6 | 0.6 | 2.42 | 3.34 | 4.44 |
| 07 | 3.47 | 11.0 | 6.7 | 1.9 | 0.8 | 2.38 | 3.17 | 4.60 |
| 08 | 3.84 | 11.1 | 7.1 | 2.4 | 1.1 | 2.19 | 3.85 | 5.11 |
| 09 | 3.85 | 11.6 | 7.5 | 2.4 | 0.7 | 2.89 | 3.36 | 4.73 |
| 10 | 5.01 | 16.1 | 10.0 | 3.3 | 1.0 | 3.40 | 4.43 | 6.46 |
| 11 | 4.24 | 15.0 | 9.1 | 3.0 | 0.6 | 3.20 | 4.12 | 5.12 |
| 12 | 3.85 | 17.3 | 10.4 | 2.2 | 0.4 | 3.38 | 3.73 | 4.29 |
| Summary | 44.36 | 168.0 | 101.5 | 27.3 | 7.1 | 30.39 | 42.23 | 56.39 |

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Summary of Monthly Normals 1991-2020

Generated on 08/02/2021

| Snow (in.) | | | | | | | | | | | | | |
|------------|------------------|------------------------|------|------|------|-------|--------------------------|------|------|------|---|------|-------|
| | Totals | Mean Number of Days | | | | | | | | | Snow Probabilities Probability that snow will be equal to or less than the indicated amount | | |
| | Means | Snowfall >= Thresholds | | | | | Snow Depth >= Thresholds | | | | Monthly Snow vs. Probability Levels Values derived from the incomplete gamma distribution. | | |
| Month | Snowfall Mean | 0.01 | 1.0 | 3.0 | 5.00 | 10.00 | 1 | 3 | 5 | 10 | .25 | .50 | .75 |
| 01 | 34.0 | 11.7 | 9.5 | 4.4 | 2.2 | 0.6 | 26.0 | 21.0 | 16.1 | 8.4 | 18.2 | 25.8 | 46.6 |
| 02 | 29.6 | 10.1 | 8.3 | 4.1 | 2.1 | 0.3 | 25.1 | 22.2 | 17.7 | 8.9 | 18.5 | 25.0 | 40.4 |
| 03 | 13.6 | 5.6 | 4.4 | 1.7 | 0.9 | 0.1 | 15.7 | 11.5 | 8.0 | 3.1 | 4.1 | 12.8 | 21.8 |
| 04 | 2.7 | 1.3 | 0.9 | 0.4 | 0.1 | 0.0 | 1.9 | 1.0 | 0.4 | 0.0 | 0.0 | 0.5 | 2.0 |
| 05 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 06 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 07 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 08 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10 | 0.5 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11 | 9.1 | 3.4 | 2.6 | 1.2 | 0.5 | 0.1 | 5.1 | 2.7 | 1.6 | 0.3 | 0.9 | 7.7 | 14.4 |
| 12 | 26.9 | 9.1 | 7.3 | 3.3 | 1.8 | 0.5 | 18.1 | 12.7 | 8.2 | 2.6 | 15.8 | 25.5 | 31.4 |
| Summary | 116.4 | 41.3 | 33.1 | 15.1 | 7.6 | 1.6 | 92.0 | 71.1 | 52.0 | 23.3 | 57.5 | 97.3 | 156.6 |

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Summary of Monthly Normals 1991-2020

Generated on 08/02/2021

| Growing Degree Units (Monthly) | | | | | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Base | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| 40 | 8.7 | 6.4 | 38.6 | 182.5 | 530.3 | 782.9 | 957.8 | 917.5 | 661.5 | 320.1 | 96.7 | 18.2 |
| 45 | 3.4 | 1.4 | 17.1 | 102.8 | 383.0 | 632.9 | 802.8 | 762.5 | 512.3 | 199.0 | 46.3 | 5.8 |
| 50 | 1.3 | 0.0 | 6.7 | 51.5 | 251.5 | 483.8 | 647.8 | 607.5 | 368.7 | 108.4 | 18.7 | 1.4 |
| 55 | 0.4 | 0.0 | 3.0 | 22.5 | 147.9 | 338.8 | 492.8 | 452.8 | 237.6 | 51.1 | 5.3 | 0.3 |
| 60 | 0.0 | 0.0 | 1.3 | 7.9 | 75.3 | 206.9 | 338.9 | 301.2 | 131.7 | 19.8 | 1.0 | 0.0 |
| Growing Degree Units for Corn (Monthly) | | | | | | | | | | | | |
| 50/86 | 4.1 | 3.4 | 22.8 | 102.4 | 303.6 | 489.9 | 642.6 | 606.5 | 397.4 | 162.7 | 45.2 | 7.8 |

| Growing Degree Units (Accumulated Monthly) | | | | | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Base | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| 40 | 9 | 15 | 54 | 236 | 766 | 1549 | 2507 | 3425 | 4086 | 4406 | 4503 | 4521 |
| 45 | 3 | 5 | 22 | 125 | 508 | 1141 | 1943 | 2706 | 3218 | 3417 | 3464 | 3469 |
| 50 | 1 | 1 | 8 | 60 | 311 | 795 | 1443 | 2050 | 2419 | 2527 | 2546 | 2547 |
| 55 | 0 | 0 | 3 | 26 | 174 | 513 | 1005 | 1458 | 1696 | 1747 | 1752 | 1752 |
| 60 | 0 | 0 | 1 | 9 | 84 | 291 | 630 | 932 | 1063 | 1083 | 1084 | 1084 |
| Growing Degree Units for Corn (Monthly Accumulated) | | | | | | | | | | | | |
| 50/86 | 4 | 8 | 30 | 133 | 436 | 926 | 1569 | 2175 | 2573 | 2735 | 2781 | 2788 |

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

Empty or blank cells indicate data is missing or insufficient occurrences to compute value.