

Summary of Monthly Normals
1981-2010
Generated on 02/28/2018

| 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 | 8.2 | -9.1 | -0.4 | 10.7 | 11.2 | 10.9 | 0 | 0 | 0 | 0 | 0 | 0 | 1719 | 1781 | 1874 | 2029 | 0.0 | 0.0 | 0.0 | 28.2 | 30.8 | 20.4 |
| 02 | 20.1 | -2.7 | 8.7 | 6.7 | 8.3 | 7.4 | 0 | 0 | 0 | 0 | 0 | 0 | 1296 | 1352 | 1436 | 1576 | 0.0 | 0.0 | 0.0 | 22.2 | 27.9 | 14.9 |
| 03 | 33.6 | 3.4 | 18.5 | 5.2 | 7.2 | 5.9 | 0 | 0 | 0 | 0 | 0 | 0 | 1131 | 1193 | 1286 | 1441 | 0.0 | 0.0 | 0.5 | 10.9 | 30.8 | 12.6 |
| 04 | 47.0 | 20.2 | 33.6 | 3.2 | 3.7 | 3.2 | 0 | 0 | 0 | 0 | 0 | 0 | 642 | 702 | 792 | 942 | 0.0 | 0.0 | 9.7 | 0.8 | 28.6 | 1.3 |
| 05 | 60.1 | 29.9 | 45.0 | 3.6 | 1.8 | 2.4 | 1 | -7777 | -7777 | 0 | 0 | 0 | 311 | 372 | 465 | 620 | 0.0 | 0.0 | 29.0 | 0.0 | 20.4 | -7777 |
| 06 | 68.9 | 37.4 | 53.2 | 2.7 | 1.7 | 1.8 | 34 | 16 | 4 | -7777 | 0 | 0 | 89 | 132 | 209 | 356 | 0.0 | -7777 | 30.0 | 0.0 | 6.1 | 0.0 |
| 07 | 71.2 | 41.4 | 56.3 | 3.0 | 1.7 | 1.5 | 68 | 34 | 8 | -7777 | 0 | 0 | 28 | 56 | 123 | 270 | 0.0 | 0.0 | 31.0 | 0.0 | 0.8 | 0.0 |
| 08 | 66.7 | 38.4 | 52.5 | 3.6 | 1.7 | 1.9 | 25 | 10 | 2 | -7777 | 0 | 0 | 101 | 148 | 233 | 386 | 0.0 | 0.0 | 31.0 | 0.0 | 5.5 | 0.0 |
| 09 | 55.5 | 31.4 | 43.5 | 3.2 | 3.4 | 2.7 | -7777 | -7777 | 0 | 0 | 0 | 0 | 347 | 407 | 497 | 647 | 0.0 | 0.0 | 24.2 | 0.0 | 15.7 | 0.0 |
| 10 | 37.7 | 19.2 | 28.5 | 4.0 | 5.4 | 4.4 | -7777 | -7777 | 0 | 0 | 0 | 0 | 823 | 885 | 978 | 1133 | 0.0 | 0.0 | 2.8 | 8.2 | 26.9 | 2.9 |
| 11 | 16.6 | -1.7 | 7.4 | 7.3 | 9.5 | 8.3 | 0 | 0 | 0 | 0 | 0 | 0 | 1426 | 1486 | 1576 | 1726 | 0.0 | 0.0 | 0.0 | 25.4 | 29.8 | 15.5 |
| 12 | 10.4 | -6.2 | 2.1 | 7.7 | 8.1 | 7.8 | 0 | 0 | 0 | 0 | 0 | 0 | 1640 | 1702 | 1795 | 1950 | 0.0 | 0.0 | 0.1 | 27.7 | 30.8 | 19.4 |
| Summary | 41.3 | 16.8 | 29.1 | 5.1 | 5.3 | 4.9 | 128 | 60 | 14 | 0 | 0 | 0 | 9553 | 10216 | 11264 | 13076 | 0.0 | 0.0 | 158.3 | 123.4 | 254.1 | 87.0 |

-7777: a non-zero value that would round to zero
Empty or blank cells indicate data is missing or insufficient occurrences to compute value

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| 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 | 1.04 | 9.4 | 3.8 | 0.3 | -7777 | 0.68 | 0.98 | 1.20 |
| 02 | 1.02 | 7.3 | 3.0 | 0.3 | -7777 | 0.47 | 0.85 | 1.17 |
| 03 | 0.45 | 4.7 | 1.3 | -7777 | 0.0 | 0.12 | 0.51 | 0.69 |
| 04 | 0.25 | 2.8 | 0.8 | 0.1 | 0.0 | 0.04 | 0.18 | 0.39 |
| 05 | 0.90 | 7.1 | 2.9 | 0.3 | -7777 | 0.40 | 0.69 | 1.30 |
| 06 | 1.71 | 11.5 | 5.0 | 0.7 | -7777 | 1.22 | 1.54 | 2.16 |
| 07 | 2.44 | 13.0 | 6.8 | 1.1 | 0.2 | 1.39 | 2.24 | 3.31 |
| 08 | 2.66 | 15.4 | 7.0 | 1.2 | 0.3 | 1.86 | 2.35 | 3.30 |
| 09 | 2.87 | 14.6 | 7.1 | 1.4 | 0.5 | 1.79 | 2.71 | 4.04 |
| 10 | 2.17 | 11.7 | 5.5 | 1.1 | 0.2 | 0.91 | 2.26 | 2.96 |
| 11 | 1.28 | 9.9 | 3.7 | 0.5 | 0.1 | 0.61 | 1.32 | 1.54 |
| 12 | 1.53 | 9.9 | 3.9 | 0.7 | 0.3 | 0.32 | 1.12 | 2.23 |
| Summary | 18.32 | 117.3 | 50.8 | 7.7 | 1.6 | 9.81 | 16.75 | 24.29 |

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| 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 | 12.8 | 9.0 | 4.3 | 1.0 | 0.5 | -7777 | 31.0 | 31.0 | 30.7 | 26.4 | 10.4 | 11.7 | 15.7 |
| 02 | 8.7 | 6.7 | 3.2 | 0.7 | 0.3 | 0.0 | 28.2 | 28.2 | 28.2 | 28.2 | 3.3 | 6.3 | 11.1 |
| 03 | 5.7 | 4.2 | 1.7 | 0.5 | 0.3 | 0.0 | 31.0 | 31.0 | 31.0 | 30.9 | 0.7 | 4.1 | 10.2 |
| 04 | 2.6 | 2.0 | 0.9 | 0.3 | 0.1 | 0.0 | 28.2 | 26.0 | 24.4 | 19.4 | 0.0 | 1.2 | 3.6 |
| 05 | 0.2 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 2.9 | 1.7 | 1.0 | 0.2 | 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 | 2.3 | 1.0 | 0.7 | 0.2 | 0.2 | -7777 | 1.2 | 0.4 | 0.2 | -7777 | 0.0 | 0.0 | 1.1 |
| 10 | 9.9 | 5.4 | 3.0 | 1.1 | 0.6 | -7777 | 12.4 | 8.0 | 5.7 | 2.2 | 1.9 | 8.4 | 14.9 |
| 11 | 13.8 | 9.0 | 3.7 | 1.2 | 0.6 | 0.2 | 28.6 | 24.6 | 22.4 | 11.5 | 6.7 | 10.5 | 19.6 |
| 12 | 12.4 | 8.8 | 4.0 | 1.2 | 0.6 | 0.0 | 31.0 | 30.8 | 28.7 | 20.1 | 4.8 | 9.9 | 18.2 |
| Summary | 68.4 | 46.4 | 21.6 | 6.2 | 3.2 | 0.2 | 194.5 | 181.7 | 172.3 | 138.9 | 27.8 | 52.1 | 94.4 |

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| Growing Degree Units (Monthly) | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-----|-----|-----|-------|-------|-------|-------|
| Base | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| 40 | -7777 | -7777 | -7777 | 13 | 165 | 395 | 505 | 389 | 135 | 12 | -7777 | -7777 |
| 45 | 0 | 0 | 0 | 2 | 62 | 246 | 350 | 238 | 45 | 3 | 0 | 0 |
| 50 | 0 | 0 | 0 | -7777 | 14 | 117 | 198 | 105 | 7 | -7777 | 0 | 0 |
| 55 | 0 | 0 | 0 | 0 | 1 | 34 | 68 | 25 | -7777 | -7777 | 0 | 0 |
| 60 | 0 | 0 | 0 | 0 | -7777 | 4 | 8 | 2 | 0 | 0 | 0 | 0 |
| Growing Degree Units for Corn (Monthly) | | | | | | | | | | | | |
| 50/86 | 0 | -7777 | 1 | 21 | 159 | 283 | 329 | 259 | 97 | 6 | 0 | -7777 |

| Growing Degree Units (Accumulated Monthly) | | | | | | | | | | | | |
|---|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|
| Base | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| 40 | 0 | 0 | 0 | 13 | 178 | 573 | 1078 | 1467 | 1602 | 1614 | 1614 | 1614 |
| 45 | 0 | 0 | 0 | 2 | 64 | 310 | 660 | 898 | 943 | 946 | 946 | 946 |
| 50 | 0 | 0 | 0 | 0 | 14 | 131 | 329 | 434 | 441 | 441 | 441 | 441 |
| 55 | 0 | 0 | 0 | 0 | 1 | 35 | 103 | 128 | 128 | 128 | 128 | 128 |
| 60 | 0 | 0 | 0 | 0 | 0 | 4 | 12 | 14 | 14 | 14 | 14 | 14 |
| Growing Degree Units for Corn (Monthly Accumulated) | | | | | | | | | | | | |
| 50/86 | 0 | 0 | 1 | 22 | 181 | 464 | 793 | 1052 | 1149 | 1155 | 1155 | 1155 |

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