

Summary of Monthly Normals
1981-2010
Generated on 01/24/2022

| 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 | 39.9 | 22.3 | 31.1 | 5.1 | 4.4 | 4.7 | 1 | 1 | -7777 | 0 | 0 | 0 | 742 | 803 | 896 | 1051 | 0.0 | 0.0 | 6.9 | 8.2 | 25.1 | 1.1 |
| 02 | 43.4 | 24.9 | 34.2 | 4.3 | 4.0 | 3.9 | 2 | 1 | -7777 | 0 | 0 | 0 | 586 | 641 | 724 | 864 | 0.0 | 0.0 | 9.0 | 5.8 | 22.0 | 0.3 |
| 03 | 52.5 | 31.3 | 41.9 | 4.5 | 2.9 | 3.5 | 17 | 11 | 5 | 1 | -7777 | 0 | 423 | 479 | 566 | 717 | 0.0 | 0.0 | 18.3 | 1.7 | 17.1 | 0.0 |
| 04 | 63.6 | 40.6 | 52.1 | 3.8 | 2.5 | 3.0 | 84 | 61 | 33 | 8 | 1 | -7777 | 172 | 208 | 270 | 395 | 0.0 | 0.0 | 25.4 | 0.1 | 5.9 | 0.0 |
| 05 | 71.1 | 48.5 | 59.8 | 3.2 | 3.3 | 3.1 | 194 | 151 | 97 | 32 | 4 | 1 | 45 | 64 | 103 | 193 | 0.0 | 0.0 | 30.4 | 0.0 | 0.8 | 0.0 |
| 06 | 78.3 | 57.1 | 67.7 | 2.2 | 2.2 | 1.9 | 384 | 326 | 243 | 121 | 36 | 17 | 3 | 6 | 13 | 40 | 0.0 | 0.2 | 30.0 | 0.0 | 0.0 | 0.0 |
| 07 | 81.0 | 60.8 | 70.9 | 2.2 | 2.4 | 2.1 | 493 | 431 | 338 | 190 | 71 | 38 | -7777 | -7777 | -7777 | 8 | 0.0 | 0.7 | 31.0 | 0.0 | 0.0 | 0.0 |
| 08 | 80.4 | 59.9 | 70.1 | 2.9 | 2.6 | 2.5 | 470 | 408 | 316 | 172 | 61 | 33 | -7777 | -7777 | 2 | 12 | 0.0 | 0.8 | 31.0 | 0.0 | 0.0 | 0.0 |
| 09 | 74.4 | 52.9 | 63.7 | 2.8 | 2.4 | 2.2 | 277 | 225 | 155 | 65 | 15 | 6 | 17 | 26 | 46 | 106 | 0.0 | 0.2 | 29.9 | 0.0 | 0.1 | 0.0 |
| 10 | 64.6 | 41.9 | 53.3 | 3.1 | 3.3 | 2.9 | 81 | 56 | 29 | 6 | 1 | -7777 | 135 | 173 | 238 | 370 | 0.0 | 0.0 | 28.6 | 0.0 | 4.8 | 0.0 |
| 11 | 54.7 | 34.1 | 44.4 | 4.6 | 3.3 | 3.6 | 19 | 11 | 4 | 1 | -7777 | 0 | 337 | 389 | 472 | 619 | 0.0 | 0.0 | 19.6 | 0.7 | 12.8 | 0.0 |
| 12 | 42.8 | 25.6 | 34.2 | 5.8 | 4.7 | 5.1 | 3 | 2 | -7777 | -7777 | 0 | 0 | 648 | 708 | 800 | 955 | 0.0 | 0.0 | 8.7 | 6.0 | 23.3 | 0.4 |
| Summary | 62.2 | 41.7 | 52.0 | 3.7 | 3.2 | 3.2 | 2025 | 1684 | 1220 | 596 | 189 | 95 | 3108 | 3497 | 4130 | 5330 | 0.0 | 1.9 | 268.8 | 22.5 | 111.9 | 1.8 |

-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 | 3.25 | 15.3 | 8.7 | 1.8 | 0.3 | 1.93 | 3.26 | 4.01 |
| 02 | 3.09 | 13.3 | 8.3 | 1.8 | 0.3 | 2.11 | 3.02 | 3.98 |
| 03 | 3.89 | 14.3 | 9.2 | 2.6 | 0.7 | 2.69 | 3.81 | 4.29 |
| 04 | 4.04 | 13.7 | 9.4 | 2.7 | 0.6 | 2.35 | 3.59 | 5.50 |
| 05 | 4.99 | 14.6 | 10.2 | 3.5 | 1.1 | 3.34 | 4.80 | 6.18 |
| 06 | 4.47 | 12.9 | 9.0 | 3.2 | 1.0 | 3.00 | 4.28 | 5.87 |
| 07 | 5.13 | 12.8 | 9.1 | 3.8 | 1.3 | 3.88 | 4.74 | 6.36 |
| 08 | 3.96 | 10.7 | 7.0 | 2.9 | 0.9 | 2.61 | 3.81 | 5.31 |
| 09 | 3.43 | 10.0 | 6.5 | 2.4 | 0.8 | 1.71 | 3.04 | 4.61 |
| 10 | 2.93 | 10.0 | 6.6 | 1.8 | 0.4 | 1.58 | 2.96 | 3.80 |
| 11 | 3.33 | 11.7 | 7.8 | 2.1 | 0.4 | 2.30 | 3.15 | 4.30 |
| 12 | 3.48 | 14.9 | 9.1 | 2.0 | 0.3 | 2.54 | 3.34 | 4.34 |
| Summary | 45.99 | 154.2 | 100.9 | 30.6 | 8.1 | 30.04 | 43.80 | 58.55 |

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Summary of Monthly Normals
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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 | 12.4 | 7.2 | 5.3 | 1.9 | 0.4 | 0.1 | | | | | 8.0 | 9.4 | 17.0 |
| 02 | 10.0 | 5.0 | 3.7 | 1.2 | 0.3 | 0.1 | | | | | 5.8 | 9.2 | 15.5 |
| 03 | 7.6 | 2.5 | 2.0 | 0.7 | 0.3 | 0.1 | | | | | 2.0 | 4.8 | 8.0 |
| 04 | 1.3 | 0.8 | 0.6 | 0.3 | 0.1 | 0.0 | | | | | 0.0 | 0.3 | 1.8 |
| 05 | 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 |
| 07 | 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 |
| 09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | 0.0 | 0.0 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | 0.0 | 0.0 | 0.0 |
| 11 | 1.9 | 0.9 | 0.7 | 0.2 | 0.1 | 0.0 | | | | | 0.0 | 0.0 | 2.0 |
| 12 | 9.6 | 5.1 | 3.7 | 0.9 | 0.2 | 0.0 | | | | | 3.5 | 8.5 | 10.0 |
| Summary | 42.8 | 21.5 | 16.0 | 5.2 | 1.4 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 19.3 | 32.2 | 54.3 |

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Summary of Monthly Normals 1981-2010

Generated on 01/24/2022

| Growing Degree Units (Monthly) | | | | | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Base | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| 40 | 42 | 53 | 164 | 380 | 614 | 831 | 958 | 935 | 709 | 417 | 198 | 62 |
| 45 | 17 | 23 | 92 | 259 | 462 | 681 | 803 | 780 | 560 | 281 | 113 | 28 |
| 50 | 6 | 8 | 44 | 159 | 318 | 531 | 648 | 625 | 414 | 166 | 53 | 11 |
| 55 | 1 | 2 | 17 | 84 | 194 | 384 | 493 | 470 | 277 | 81 | 19 | 3 |
| 60 | -7777 | -7777 | 5 | 33 | 97 | 243 | 338 | 316 | 155 | 29 | 4 | -7777 |
| Growing Degree Units for Corn (Monthly) | | | | | | | | | | | | |
| 50/86 | 24 | 34 | 106 | 229 | 369 | 538 | 644 | 621 | 440 | 246 | 117 | 33 |

| Growing Degree Units (Accumulated Monthly) | | | | | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Base | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| 40 | 42 | 95 | 259 | 639 | 1253 | 2084 | 3042 | 3977 | 4686 | 5103 | 5301 | 5363 |
| 45 | 17 | 40 | 132 | 391 | 853 | 1534 | 2337 | 3117 | 3677 | 3958 | 4071 | 4099 |
| 50 | 6 | 14 | 58 | 217 | 535 | 1066 | 1714 | 2339 | 2753 | 2919 | 2972 | 2983 |
| 55 | 1 | 3 | 20 | 104 | 298 | 682 | 1175 | 1645 | 1922 | 2003 | 2022 | 2025 |
| 60 | 0 | 0 | 5 | 38 | 135 | 378 | 716 | 1032 | 1187 | 1216 | 1220 | 1220 |
| Growing Degree Units for Corn (Monthly Accumulated) | | | | | | | | | | | | |
| 50/86 | 24 | 58 | 164 | 393 | 762 | 1300 | 1944 | 2565 | 3005 | 3251 | 3368 | 3401 |

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

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