

Summary of Monthly Normals
1991-2020
 Generated on 10/22/2021

| 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 | 26.5 | 11.1 | 18.8 | 4.8 | 5.7 | 5.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1121.8 | 1183.8 | 1276.9 | 1432.0 | 0.0 | 0.0 | 0.7 | 20.7 | 30.1 | 7.5 |
| 02 | 30.9 | 15.0 | 22.9 | 6.0 | 7.0 | 6.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 897.2 | 953.2 | 1037.2 | 1177.3 | 0.0 | 0.0 | 1.3 | 15.2 | 26.1 | 4.4 |
| 03 | 44.1 | 26.3 | 35.2 | 5.2 | 4.7 | 4.8 | 8.0 | 5.5 | 3.0 | 0.5 | 0.0 | 0.0 | 621.9 | 681.4 | 771.8 | 924.3 | 0.0 | 0.0 | 9.7 | 5.1 | 22.7 | 0.7 |
| 04 | 57.7 | 37.2 | 47.4 | 3.7 | 3.1 | 3.2 | 34.8 | 24.5 | 12.8 | 2.6 | 0.3 | 0.1 | 261.4 | 311.0 | 389.3 | 529.1 | 0.0 | 0.0 | 22.8 | 0.4 | 8.4 | 0.0 |
| 05 | 69.2 | 48.5 | 58.8 | 3.3 | 3.0 | 3.0 | 176.9 | 139.2 | 91.7 | 38.4 | 11.6 | 6.1 | 57.7 | 81.9 | 127.4 | 229.1 | 0.0 | 0.3 | 30.4 | 0.0 | 0.7 | 0.0 |
| 06 | 78.5 | 58.6 | 68.5 | 2.1 | 1.8 | 1.8 | 408.0 | 350.1 | 266.3 | 143.3 | 56.5 | 34.0 | 1.7 | 3.8 | 10.0 | 36.9 | 0.0 | 1.5 | 30.0 | 0.0 | 0.0 | 0.0 |
| 07 | 81.5 | 62.0 | 71.7 | 3.3 | 2.6 | 2.9 | 519.2 | 457.2 | 364.9 | 217.0 | 97.0 | 62.7 | 0.0 | 0.1 | 0.8 | 7.8 | 0.0 | 2.6 | 31.0 | 0.0 | 0.0 | 0.0 |
| 08 | 79.6 | 60.0 | 69.8 | 2.7 | 2.9 | 2.6 | 458.7 | 397.0 | 305.8 | 166.4 | 65.0 | 38.9 | 0.0 | 0.4 | 2.1 | 17.7 | 0.0 | 1.4 | 31.0 | 0.0 | 0.0 | 0.0 |
| 09 | 72.9 | 51.8 | 62.3 | 3.1 | 2.9 | 2.8 | 246.1 | 199.7 | 138.8 | 62.8 | 20.1 | 11.1 | 25.7 | 39.3 | 68.4 | 142.4 | 0.0 | 0.3 | 29.9 | 0.0 | 0.3 | 0.0 |
| 10 | 59.9 | 39.9 | 49.9 | 3.2 | 2.7 | 2.7 | 55.9 | 39.8 | 22.3 | 6.8 | 1.7 | 0.9 | 214.1 | 259.9 | 335.4 | 474.9 | 0.0 | 0.0 | 25.7 | 0.1 | 6.8 | 0.0 |
| 11 | 44.8 | 28.1 | 36.4 | 5.8 | 4.4 | 5.0 | 4.5 | 2.5 | 0.9 | 0.1 | 0.0 | 0.0 | 560.9 | 619.0 | 707.4 | 856.6 | 0.0 | 0.0 | 10.4 | 4.5 | 20.2 | 0.0 |
| 12 | 31.8 | 17.2 | 24.5 | 5.4 | 5.9 | 5.5 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 945.5 | 1007.4 | 1100.3 | 1255.4 | 0.0 | 0.0 | 1.6 | 15.4 | 28.7 | 3.4 |
| Summary | 56.4 | 38.0 | 47.2 | 4.0 | 3.9 | 3.8 | 1912 | 1616 | 1206 | 638 | 252 | 154 | 4708 | 5141 | 5827 | 7084 | 0.0 | 6.1 | 224.5 | 61.4 | 144.0 | 16.0 |

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

Summary of Monthly Normals 1991-2020

Generated on 10/22/2021

| 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 | 1.32 | 9.1 | 3.9 | 0.5 | 0.0 | 0.96 | 1.23 | 1.67 |
| 02 | 1.57 | 8.9 | 4.4 | 0.7 | 0.2 | 0.95 | 1.39 | 2.15 |
| 03 | 2.25 | 10.1 | 5.4 | 1.3 | 0.3 | 1.05 | 1.99 | 2.94 |
| 04 | 4.06 | 11.4 | 7.3 | 2.8 | 0.9 | 2.58 | 3.94 | 5.13 |
| 05 | 4.30 | 13.0 | 8.4 | 2.9 | 1.0 | 2.82 | 4.36 | 5.44 |
| 06 | 5.19 | 12.2 | 8.0 | 3.4 | 1.4 | 3.14 | 5.04 | 7.59 |
| 07 | 4.80 | 9.7 | 6.3 | 3.0 | 1.3 | 2.15 | 3.56 | 7.36 |
| 08 | 3.95 | 9.0 | 5.9 | 2.7 | 1.2 | 2.40 | 3.35 | 5.06 |
| 09 | 3.82 | 8.7 | 6.2 | 2.7 | 0.9 | 2.01 | 3.70 | 4.51 |
| 10 | 2.93 | 8.9 | 5.3 | 1.9 | 0.7 | 1.38 | 2.69 | 3.77 |
| 11 | 2.21 | 8.3 | 4.6 | 1.5 | 0.5 | 1.20 | 1.91 | 2.62 |
| 12 | 1.80 | 9.1 | 4.4 | 1.1 | 0.2 | 0.95 | 1.61 | 2.32 |
| Summary | 38.20 | 118.4 | 70.1 | 24.5 | 8.6 | 21.59 | 34.77 | 50.56 |

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Summary of Monthly Normals
1991-2020
 Generated on 10/22/2021

| 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 | 10.7 | 7.8 | 3.5 | 1.3 | 0.3 | 0.0 | 20.5 | 16.3 | 9.5 | 1.0 | 6.6 | 11.0 | 14.2 |
| 02 | 10.6 | 6.9 | 3.2 | 1.3 | 0.4 | 0.1 | 18.2 | 14.0 | 9.6 | 2.9 | 4.6 | 9.0 | 15.4 |
| 03 | 5.7 | 4.2 | 1.7 | 0.7 | 0.2 | 0.0 | 7.8 | 5.1 | 3.2 | 0.6 | 2.7 | 4.7 | 7.8 |
| 04 | 1.9 | 1.3 | 0.6 | 0.1 | 0.1 | 0.0 | 0.9 | 0.3 | 0.0 | 0.0 | 0.0 | 0.5 | 2.7 |
| 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 | 0.5 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11 | 2.8 | 2.4 | 0.9 | 0.2 | 0.1 | 0.0 | 3.4 | 1.0 | 0.4 | 0.0 | 0.0 | 1.5 | 4.1 |
| 12 | 10.3 | 6.3 | 3.3 | 1.2 | 0.5 | 0.0 | 13.2 | 10.1 | 7.4 | 1.4 | 2.1 | 7.3 | 17.4 |
| Summary | 42.5 | 29.4 | 13.3 | 4.9 | 1.6 | 0.1 | 64.1 | 46.9 | 30.1 | 5.9 | 16.0 | 34.0 | 61.6 |

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Summary of Monthly Normals 1991-2020

Generated on 10/22/2021

| Growing Degree Units (Monthly) | | | | | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Base | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| 40 | 0.9 | 7.7 | 74.1 | 258.3 | 584.8 | 856.2 | 984.1 | 923.6 | 670.5 | 327.3 | 79.7 | 8.1 |
| 45 | 0.0 | 2.5 | 38.0 | 153.3 | 433.4 | 706.3 | 829.1 | 768.6 | 521.6 | 207.4 | 36.9 | 2.8 |
| 50 | 0.0 | 0.5 | 17.8 | 78.4 | 293.6 | 556.4 | 674.2 | 613.7 | 377.7 | 116.6 | 14.4 | 1.1 |
| 55 | 0.0 | 0.1 | 8.0 | 34.8 | 176.9 | 408.0 | 519.2 | 458.7 | 246.1 | 55.9 | 4.5 | 0.3 |
| 60 | 0.0 | 0.0 | 3.0 | 12.8 | 91.7 | 266.3 | 364.9 | 305.8 | 138.8 | 22.3 | 0.9 | 0.0 |
| Growing Degree Units for Corn (Monthly) | | | | | | | | | | | | |
| 50/86 | 0.8 | 4.4 | 44.7 | 146.9 | 340.0 | 555.1 | 663.5 | 609.8 | 407.8 | 181.1 | 42.0 | 3.8 |

| Growing Degree Units (Accumulated Monthly) | | | | | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Base | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| 40 | 1 | 9 | 83 | 341 | 926 | 1782 | 2766 | 3690 | 4360 | 4688 | 4767 | 4775 |
| 45 | 0 | 2 | 40 | 194 | 627 | 1334 | 2163 | 2931 | 3453 | 3660 | 3697 | 3700 |
| 50 | 0 | 0 | 18 | 97 | 390 | 947 | 1621 | 2235 | 2612 | 2729 | 2743 | 2744 |
| 55 | 0 | 0 | 8 | 43 | 220 | 628 | 1147 | 1606 | 1852 | 1908 | 1912 | 1912 |
| 60 | 0 | 0 | 3 | 16 | 108 | 374 | 739 | 1044 | 1183 | 1206 | 1206 | 1206 |
| Growing Degree Units for Corn (Monthly Accumulated) | | | | | | | | | | | | |
| 50/86 | 1 | 5 | 50 | 197 | 537 | 1092 | 1755 | 2365 | 2773 | 2954 | 2996 | 3000 |

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

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