

Summary of Monthly Normals 1991-2020

Generated on 10/28/2021

| 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 | 38.4 | 21.8 | 30.1 | 4.6 | 4.6 | 4.5 | 0.6 | 0.4 | 0.2 | 0.0 | 0.0 | 0.0 | 772.3 | 834.2 | 926.9 | 1081.8 | 0.0 | 0.0 | 3.8 | 10.0 | 26.7 | 0.8 |
| 02 | 41.6 | 23.2 | 32.4 | 5.0 | 4.8 | 4.8 | 0.7 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | 633.4 | 689.1 | 772.8 | 912.7 | 0.0 | 0.0 | 5.5 | 5.7 | 23.8 | 0.4 |
| 03 | 50.8 | 30.5 | 40.7 | 4.8 | 3.4 | 4.0 | 9.1 | 5.9 | 2.7 | 0.4 | 0.0 | 0.0 | 453.9 | 512.7 | 602.5 | 755.2 | 0.0 | 0.0 | 14.2 | 1.3 | 19.3 | 0.0 |
| 04 | 63.4 | 40.3 | 51.8 | 2.8 | 2.2 | 2.3 | 63.3 | 45.7 | 26.7 | 8.3 | 1.8 | 0.8 | 157.8 | 200.2 | 271.2 | 402.8 | 0.0 | 0.2 | 26.3 | 0.0 | 6.1 | 0.0 |
| 05 | 73.5 | 50.6 | 62.0 | 3.4 | 3.4 | 3.2 | 237.2 | 189.6 | 129.8 | 59.5 | 20.7 | 11.7 | 18.7 | 33.1 | 66.3 | 151.0 | 0.0 | 1.1 | 31.0 | 0.0 | 0.4 | 0.0 |
| 06 | 81.9 | 59.9 | 70.9 | 2.0 | 1.4 | 1.4 | 477.3 | 418.1 | 330.9 | 196.4 | 90.8 | 59.5 | 0.4 | 1.2 | 3.9 | 19.4 | 0.0 | 3.1 | 30.0 | 0.0 | 0.0 | 0.0 |
| 07 | 86.4 | 64.7 | 75.6 | 2.9 | 2.4 | 2.5 | 636.9 | 575.0 | 481.9 | 327.7 | 183.3 | 133.2 | 0.0 | 0.0 | 0.0 | 0.8 | 0.1 | 7.7 | 31.0 | 0.0 | 0.0 | 0.0 |
| 08 | 84.3 | 62.8 | 73.6 | 2.2 | 2.3 | 2.0 | 575.0 | 513.0 | 420.1 | 268.0 | 133.5 | 90.4 | 0.0 | 0.0 | 0.1 | 3.1 | 0.0 | 4.5 | 31.0 | 0.0 | 0.0 | 0.0 |
| 09 | 77.4 | 55.2 | 66.3 | 2.7 | 2.6 | 2.3 | 345.1 | 289.6 | 212.1 | 108.0 | 41.0 | 24.7 | 6.1 | 10.6 | 23.2 | 69.1 | 0.0 | 1.5 | 30.0 | 0.0 | 0.0 | 0.0 |
| 10 | 65.5 | 43.8 | 54.6 | 2.7 | 3.3 | 2.7 | 95.6 | 68.6 | 38.7 | 12.8 | 3.1 | 1.4 | 106.5 | 141.4 | 204.6 | 333.6 | 0.0 | 0.1 | 29.7 | 0.0 | 3.1 | 0.0 |
| 11 | 53.8 | 34.1 | 43.9 | 3.9 | 2.8 | 3.2 | 12.7 | 7.0 | 2.4 | 0.3 | 0.0 | 0.0 | 344.1 | 398.5 | 483.9 | 631.7 | 0.0 | 0.0 | 18.3 | 0.3 | 14.9 | 0.0 |
| 12 | 43.1 | 26.8 | 35.0 | 4.3 | 3.9 | 4.0 | 1.4 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 622.9 | 684.1 | 776.5 | 931.5 | 0.0 | 0.0 | 6.9 | 4.8 | 23.8 | 0.0 |
| Summary | 63.3 | 42.8 | 53.1 | 3.4 | 3.1 | 3.1 | 2455 | 2114 | 1646 | 981 | 474 | 322 | 3116 | 3505 | 4132 | 5293 | 0.1 | 18.2 | 257.7 | 22.1 | 118.1 | 1.2 |

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

Summary of Monthly Normals
1991-2020
 Generated on 10/28/2021

| 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 | 3.30 | 11.4 | 6.4 | 2.5 | 0.8 | 2.41 | 2.98 | 3.87 |
| 02 | 2.77 | 10.1 | 5.9 | 1.7 | 0.4 | 1.85 | 2.52 | 3.13 |
| 03 | 3.63 | 10.9 | 6.8 | 2.5 | 0.9 | 3.08 | 3.62 | 4.40 |
| 04 | 3.67 | 11.8 | 6.8 | 2.3 | 0.9 | 2.61 | 3.19 | 5.00 |
| 05 | 3.65 | 12.4 | 7.6 | 2.6 | 0.7 | 2.67 | 3.81 | 4.42 |
| 06 | 4.40 | 11.4 | 7.2 | 3.1 | 1.3 | 2.71 | 4.44 | 5.53 |
| 07 | 5.30 | 11.0 | 8.0 | 3.5 | 1.4 | 4.19 | 5.40 | 6.56 |
| 08 | 4.56 | 10.2 | 7.1 | 2.8 | 1.3 | 2.29 | 3.78 | 5.20 |
| 09 | 4.84 | 9.6 | 6.5 | 2.9 | 1.5 | 2.73 | 3.78 | 6.44 |
| 10 | 4.14 | 9.9 | 6.2 | 2.5 | 1.2 | 2.46 | 3.46 | 5.14 |
| 11 | 3.24 | 8.9 | 5.7 | 2.1 | 0.9 | 2.27 | 3.06 | 4.39 |
| 12 | 3.86 | 11.5 | 7.3 | 2.8 | 1.0 | 2.57 | 3.75 | 4.90 |
| Summary | 47.36 | 129.1 | 81.5 | 31.3 | 12.3 | 31.84 | 43.79 | 58.98 |

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Summary of Monthly Normals
1991-2020
 Generated on 10/28/2021

| 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 | 9.8 | 5.1 | 2.4 | 0.9 | 0.5 | 0.2 | 8.8 | 5.3 | 3.0 | 1.7 | 2.3 | 5.3 | 15.4 |
| 02 | 10.8 | 4.3 | 2.4 | 1.0 | 0.6 | 0.2 | 10.8 | 8.0 | 6.1 | 2.3 | 2.5 | 8.0 | 14.1 |
| 03 | 6.3 | 2.6 | 1.5 | 0.8 | 0.3 | 0.1 | 5.5 | 4.1 | 2.6 | 1.1 | 0.4 | 4.3 | 9.8 |
| 04 | 0.5 | 0.3 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11 | 0.9 | 0.5 | 0.3 | 0.1 | 0.0 | 0.0 | 0.6 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.7 |
| 12 | 4.6 | 2.9 | 1.4 | 0.5 | 0.3 | 0.0 | 4.6 | 2.6 | 1.3 | 0.3 | 0.4 | 1.8 | 7.6 |
| Summary | 33.1 | 15.7 | 8.1 | 3.4 | 1.7 | 0.5 | 30.5 | 20.5 | 13.2 | 5.4 | 5.6 | 19.4 | 47.6 |

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Summary of Monthly Normals 1991-2020

Generated on 10/28/2021

| Growing Degree Units (Monthly) | | | | | | | | | | | | |
|---|------|------|-------|-------|-------|-------|--------|--------|-------|-------|-------|------|
| Base | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| 40 | 23.3 | 27.9 | 122.2 | 362.1 | 683.5 | 926.9 | 1101.9 | 1039.9 | 788.9 | 455.6 | 169.9 | 46.6 |
| 45 | 8.5 | 9.5 | 60.4 | 232.5 | 528.7 | 776.9 | 946.9 | 885.0 | 639.0 | 310.3 | 88.0 | 18.0 |
| 50 | 2.2 | 2.6 | 25.2 | 131.0 | 376.7 | 626.9 | 791.9 | 730.0 | 489.6 | 185.7 | 37.7 | 5.6 |
| 55 | 0.6 | 0.7 | 9.1 | 63.3 | 237.2 | 477.3 | 636.9 | 575.0 | 345.1 | 95.6 | 12.7 | 1.4 |
| 60 | 0.2 | 0.1 | 2.7 | 26.7 | 129.8 | 330.9 | 481.9 | 420.1 | 212.1 | 38.7 | 2.4 | 0.0 |
| Growing Degree Units for Corn (Monthly) | | | | | | | | | | | | |
| 50/86 | 13.3 | 19.3 | 76.3 | 214.7 | 414.5 | 612.9 | 752.9 | 706.8 | 502.1 | 263.7 | 94.6 | 22.3 |

| Growing Degree Units (Accumulated Monthly) | | | | | | | | | | | | |
|---|-----|-----|-----|-----|------|------|------|------|------|------|------|------|
| Base | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| 40 | 23 | 51 | 173 | 536 | 1219 | 2146 | 3248 | 4288 | 5077 | 5532 | 5702 | 5749 |
| 45 | 8 | 18 | 78 | 311 | 840 | 1616 | 2563 | 3448 | 4087 | 4398 | 4486 | 4504 |
| 50 | 2 | 5 | 30 | 161 | 538 | 1165 | 1956 | 2686 | 3176 | 3362 | 3399 | 3405 |
| 55 | 1 | 1 | 10 | 74 | 311 | 788 | 1425 | 2000 | 2345 | 2441 | 2453 | 2455 |
| 60 | 0 | 0 | 3 | 30 | 160 | 490 | 972 | 1392 | 1604 | 1643 | 1646 | 1646 |
| Growing Degree Units for Corn (Monthly Accumulated) | | | | | | | | | | | | |
| 50/86 | 13 | 33 | 109 | 324 | 738 | 1351 | 2104 | 2811 | 3313 | 3576 | 3671 | 3693 |

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

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