

**Summary of Monthly Normals**  
**1991-2020**  
 Generated on 09/28/2021

| 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               | 59.0      | 42.4      | 50.7 | 2.3                   | 2.7                   | 2.0                   | 9.7                 | 2.9   | 0.2   | 0.0  | 0.0  | 0.0  | 143.0               | 198.2 | 288.5 | 443.3 | 0.0                 | 0.0       | 30.5      | 0.0       | 1.2       | 0.0      |
| 02               | 61.8      | 44.5      | 53.1 | 2.8                   | 2.3                   | 2.1                   | 28.9                | 14.1  | 3.1   | 0.1  | 0.0  | 0.0  | 80.7                | 121.9 | 194.9 | 331.9 | 0.0                 | 0.0       | 27.8      | 0.0       | 0.2       | 0.0      |
| 03               | 65.0      | 46.7      | 55.8 | 3.0                   | 1.8                   | 2.3                   | 72.0                | 41.6  | 13.9  | 1.1  | 0.0  | 0.0  | 45.6                | 77.2  | 142.6 | 284.8 | 0.0                 | 0.0       | 31.0      | 0.0       | 0.0       | 0.0      |
| 04               | 68.0      | 48.9      | 58.4 | 2.5                   | 1.8                   | 2.0                   | 120.3               | 78.5  | 37.1  | 8.8  | 1.1  | 0.4  | 16.8                | 35.0  | 83.6  | 205.3 | 0.0                 | 0.2       | 30.0      | 0.0       | 0.0       | 0.0      |
| 05               | 71.7      | 52.5      | 62.1 | 3.4                   | 1.9                   | 2.5                   | 221.7               | 164.4 | 92.4  | 26.3 | 5.8  | 3.1  | 1.6                 | 6.3   | 27.3  | 116.2 | 0.0                 | 0.8       | 31.0      | 0.0       | 0.0       | 0.0      |
| 06               | 75.9      | 55.7      | 65.8 | 2.0                   | 1.3                   | 1.5                   | 324.0               | 264.1 | 176.5 | 62.9 | 18.2 | 11.1 | 0.0                 | 0.1   | 2.5   | 39.0  | 0.3                 | 1.6       | 30.0      | 0.0       | 0.0       | 0.0      |
| 07               | 76.9      | 58.5      | 67.7 | 1.6                   | 1.3                   | 1.3                   | 393.7               | 331.7 | 238.7 | 94.5 | 20.6 | 10.8 | 0.0                 | 0.0   | 0.0   | 10.8  | 0.1                 | 1.1       | 31.0      | 0.0       | 0.0       | 0.0      |
| 08               | 76.9      | 59.0      | 68.0 | 1.6                   | 1.4                   | 1.4                   | 401.5               | 339.5 | 246.5 | 99.2 | 21.2 | 10.9 | 0.0                 | 0.0   | 0.1   | 7.7   | 0.1                 | 1.6       | 31.0      | 0.0       | 0.0       | 0.0      |
| 09               | 77.7      | 57.3      | 67.5 | 2.6                   | 1.5                   | 1.9                   | 375.0               | 315.0 | 225.5 | 92.8 | 25.7 | 14.3 | 0.0                 | 0.0   | 0.5   | 17.8  | 0.1                 | 2.9       | 30.0      | 0.0       | 0.0       | 0.0      |
| 10               | 74.1      | 53.1      | 63.6 | 2.4                   | 1.6                   | 1.8                   | 267.7               | 207.9 | 128.3 | 39.6 | 7.5  | 3.2  | 1.1                 | 3.3   | 16.7  | 83.0  | 0.0                 | 1.0       | 31.0      | 0.0       | 0.0       | 0.0      |
| 11               | 65.5      | 46.3      | 55.9 | 2.5                   | 2.0                   | 2.0                   | 70.9                | 41.5  | 15.9  | 1.9  | 0.1  | 0.0  | 43.9                | 74.5  | 138.9 | 274.9 | 0.0                 | 0.0       | 30.0      | 0.0       | 0.1       | 0.0      |
| 12               | 58.9      | 42.1      | 50.5 | 2.1                   | 2.9                   | 2.1                   | 12.4                | 5.1   | 0.8   | 0.0  | 0.0  | 0.0  | 151.8               | 206.5 | 295.3 | 449.4 | 0.0                 | 0.0       | 30.2      | 0.0       | 0.9       | 0.0      |
| Summary          | 69.3      | 50.6      | 59.9 | 2.4                   | 1.9                   | 1.9                   | 2298                | 1806  | 1179  | 427  | 100  | 54   | 485                 | 723   | 1191  | 2264  | 0.6                 | 9.2       | 363.5     | 0.0       | 2.4       | 0.0      |

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

## Summary of Monthly Normals 1991-2020

Generated on 09/28/2021

| Precipitation (in.) |        |                     |         |         |         |  |       |       |
|---------------------|--------|---------------------|---------|---------|---------|--|-------|-------|
|                     | Totals | Mean Number of Days |         |         |         | Precipitation Probabilities<br>Probability that precipitation will be<br>equal to or less than<br>the indicated amount |       |       |
|                     | Means  | Daily Precipitation |         |         |         | Monthly Precipitation<br>vs. Probability Levels  |       |       |
| Month               | Mean   | >= 0.01             | >= 0.10 | >= 0.50 | >= 1.00 | 0.25   | 0.50  | 0.75  |
| 01                  | 2.49   | 10.8                | 5.0     | 1.5     | 0.4     | 0.92   | 2.25  | 3.77  |
| 02                  | 2.90   | 11.3                | 6.3     | 1.9     | 0.5     | 1.02   | 2.72  | 4.35  |
| 03                  | 2.04   | 10.2                | 5.6     | 1.0     | 0.1     | 1.00   | 1.65  | 2.82  |
| 04                  | 0.98   | 5.6                 | 3.0     | 0.3     | 0.0     | 0.26   | 0.87  | 1.41  |
| 05                  | 0.43   | 2.5                 | 1.0     | 0.2     | 0.0     | 0.02   | 0.25  | 0.62  |
| 06                  | 0.10   | 1.1                 | 0.4     | 0.0     | 0.0     | 0.00   | 0.05  | 0.12  |
| 07                  | 0.00   | 0.1                 | 0.0     | 0.0     | 0.0     | 0.00   | 0.00  | 0.00  |
| 08                  | 0.01   | 0.2                 | 0.0     | 0.0     | 0.0     | 0.00   | 0.00  | 0.00  |
| 09                  | 0.07   | 0.8                 | 0.2     | 0.0     | 0.0     | 0.00   | 0.01  | 0.06  |
| 10                  | 0.56   | 4.0                 | 1.6     | 0.3     | 0.1     | 0.06   | 0.33  | 0.76  |
| 11                  | 1.36   | 8.6                 | 3.3     | 0.6     | 0.2     | 0.50   | 1.20  | 1.99  |
| 12                  | 2.51   | 10.5                | 5.8     | 1.4     | 0.5     | 1.05   | 1.68  | 4.13  |
| Summary             | 13.45  | 65.7                | 32.2    | 7.2     | 1.8     | 4.83   | 11.01 | 20.03 |

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

## Summary of Monthly Normals 1991-2020

Generated on 09/28/2021

| <b>Growing Degree Units (Monthly)</b>          |            |            |            |            |            |            |            |            |            |            |            |            |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <b>Base</b>                                    | <b>Jan</b> | <b>Feb</b> | <b>Mar</b> | <b>Apr</b> | <b>May</b> | <b>Jun</b> | <b>Jul</b> | <b>Aug</b> | <b>Sep</b> | <b>Oct</b> | <b>Nov</b> | <b>Dec</b> |
| 40   | 331.9      | 368.2      | 491.3      | 553.5      | 685.1      | 774.0      | 858.7      | 866.5      | 825.0      | 731.6      | 477.0      | 326.5      |
| 45   | 182.5      | 229.1      | 336.5      | 403.5      | 530.1      | 624.0      | 703.7      | 711.5      | 675.0      | 576.6      | 327.5      | 178.2      |
| 50   | 65.3       | 106.5      | 187.7      | 254.4      | 375.1      | 474.0      | 548.7      | 556.5      | 524.9      | 421.5      | 184.6      | 62.1       |
| 55   | 9.7        | 28.9       | 72.0       | 120.3      | 221.7      | 324.0      | 393.7      | 401.5      | 375.0      | 267.7      | 70.9       | 12.4       |
| 60   | 0.2        | 3.1        | 13.9       | 37.1       | 92.4       | 176.5      | 238.7      | 246.5      | 225.5      | 128.3      | 15.9       | 0.8        |
| <b>Growing Degree Units for Corn (Monthly)</b> |            |            |            |            |            |            |            |            |            |            |            |            |
| 50/86  | 143.0      | 170.4      | 242.2      | 286.9      | 380.9      | 467.4      | 544.1      | 551.3      | 515.8      | 427.0      | 243.2      | 143.5      |

| <b>Growing Degree Units (Accumulated Monthly)</b>          |            |            |            |            |            |            |            |            |            |            |            |            |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <b>Base</b>  | <b>Jan</b> | <b>Feb</b> | <b>Mar</b> | <b>Apr</b> | <b>May</b> | <b>Jun</b> | <b>Jul</b> | <b>Aug</b> | <b>Sep</b> | <b>Oct</b> | <b>Nov</b> | <b>Dec</b> |
| 40   | 332        | 700        | 1191       | 1745       | 2430       | 3204       | 4063       | 4929       | 5754       | 6486       | 6963       | 7289       |
| 45   | 182        | 412        | 748        | 1152       | 1682       | 2306       | 3009       | 3721       | 4396       | 4972       | 5300       | 5478       |
| 50   | 65         | 172        | 360        | 614        | 989        | 1463       | 2012       | 2568       | 3093       | 3515       | 3699       | 3761       |
| 55   | 10         | 39         | 111        | 231        | 453        | 777        | 1170       | 1572       | 1947       | 2214       | 2285       | 2298       |
| 60   | 0          | 3          | 17         | 54         | 147        | 323        | 562        | 808        | 1034       | 1162       | 1178       | 1179       |
| <b>Growing Degree Units for Corn (Monthly Accumulated)</b> |            |            |            |            |            |            |            |            |            |            |            |            |
| 50/86  | 143        | 313        | 556        | 842        | 1223       | 1691       | 2235       | 2786       | 3302       | 3729       | 3972       | 4116       |

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.