

**Summary of Monthly Normals**  
**1991-2020**  
 Generated on 09/23/2021

| 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               | 25.8      | 7.4       | 16.6 | 4.8                   | 6.0                   | 5.3                   | 0.0                 | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 1190.3              | 1252.3 | 1345.2 | 1500.3 | 0.0                 | 0.0       | 1.1       | 21.6      | 30.0      | 9.6      |
| 02               | 28.9      | 8.9       | 18.9 | 4.7                   | 5.5                   | 4.9                   | 0.0                 | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 1010.8              | 1066.8 | 1150.7 | 1290.8 | 0.0                 | 0.0       | 1.2       | 17.0      | 27.1      | 7.2      |
| 03               | 37.6      | 18.1      | 27.9 | 4.3                   | 4.7                   | 4.3                   | 0.9                 | 0.5   | 0.1   | 0.0  | 0.0  | 0.0  | 842.6               | 904.2  | 996.7  | 1151.6 | 0.0                 | 0.0       | 4.8       | 9.8       | 27.8      | 2.3      |
| 04               | 51.5      | 30.3      | 40.9 | 3.5                   | 2.5                   | 2.8                   | 10.4                | 6.8   | 3.4   | 0.7  | 0.0  | 0.0  | 433.4               | 489.8  | 576.4  | 723.7  | 0.0                 | 0.0       | 16.2      | 0.9       | 17.9      | 0.0      |
| 05               | 65.0      | 41.7      | 53.3 | 3.7                   | 2.7                   | 2.9                   | 74.8                | 53.1  | 29.1  | 7.5  | 1.2  | 0.5  | 126.0               | 166.2  | 235.3  | 368.7  | 0.0                 | 0.1       | 29.3      | 0.0       | 3.5       | 0.0      |
| 06               | 73.2      | 50.5      | 61.8 | 2.3                   | 1.9                   | 1.8                   | 220.3               | 172.0 | 110.5 | 41.3 | 10.4 | 5.2  | 14.9                | 26.5   | 55.0   | 135.8  | 0.0                 | 0.6       | 30.0      | 0.0       | 0.1       | 0.0      |
| 07               | 77.6      | 55.5      | 66.5 | 2.6                   | 2.2                   | 2.3                   | 358.5               | 297.7 | 210.1 | 91.3 | 25.3 | 12.9 | 0.5                 | 1.7    | 7.2    | 43.3   | 0.0                 | 0.9       | 31.0      | 0.0       | 0.0       | 0.0      |
| 08               | 76.1      | 53.7      | 64.9 | 2.0                   | 1.8                   | 1.7                   | 308.6               | 249.7 | 168.2 | 65.7 | 13.9 | 5.8  | 1.7                 | 4.8    | 16.3   | 68.9   | 0.0                 | 0.4       | 31.0      | 0.0       | 0.0       | 0.0      |
| 09               | 68.6      | 46.3      | 57.4 | 2.6                   | 2.6                   | 2.5                   | 135.7               | 100.8 | 60.1  | 20.3 | 3.4  | 1.2  | 62.2                | 87.4   | 136.7  | 246.8  | 0.0                 | 0.0       | 29.7      | 0.0       | 1.2       | 0.0      |
| 10               | 55.3      | 35.7      | 45.5 | 3.1                   | 3.1                   | 2.9                   | 17.1                | 10.2  | 4.2   | 0.5  | 0.0  | 0.0  | 311.6               | 366.6  | 453.7  | 605.0  | 0.0                 | 0.0       | 22.3      | 0.0       | 11.0      | 0.0      |
| 11               | 42.8      | 26.0      | 34.4 | 4.2                   | 2.9                   | 3.4                   | 1.3                 | 0.7   | 0.2   | 0.0  | 0.0  | 0.0  | 619.4               | 678.7  | 768.2  | 918.0  | 0.0                 | 0.0       | 8.3       | 4.6       | 21.8      | 0.1      |
| 12               | 31.3      | 15.1      | 23.2 | 4.3                   | 4.6                   | 4.3                   | 0.0                 | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 985.8               | 1047.8 | 1140.7 | 1295.8 | 0.0                 | 0.0       | 1.9       | 15.9      | 28.8      | 3.8      |
| Summary          | 52.8      | 32.4      | 42.6 | 3.5                   | 3.4                   | 3.3                   | 1128                | 892   | 586   | 227  | 54   | 26   | 5599                | 6093   | 6882   | 8349   | 0.0                 | 2.0       | 206.8     | 69.8      | 169.2     | 23.0     |

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<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                  | 2.32   | 13.6                | 5.3     | 1.4     | 0.4     | 1.78                                                                                                                   | 2.02  | 2.79  |
| 02                  | 2.06   | 13.2                | 5.0     | 1.1     | 0.2     | 1.35                                                                                                                   | 2.07  | 2.47  |
| 03                  | 2.49   | 12.7                | 6.4     | 1.3     | 0.4     | 1.87                                                                                                                   | 2.51  | 3.02  |
| 04                  | 3.04   | 13.5                | 7.7     | 1.9     | 0.3     | 2.14                                                                                                                   | 2.79  | 3.83  |
| 05                  | 3.52   | 13.9                | 7.9     | 2.2     | 0.4     | 2.25                                                                                                                   | 2.96  | 4.72  |
| 06                  | 4.21   | 14.4                | 8.6     | 2.8     | 1.0     | 2.61                                                                                                                   | 3.55  | 5.36  |
| 07                  | 4.27   | 14.0                | 8.6     | 2.9     | 1.0     | 2.99                                                                                                                   | 4.09  | 4.82  |
| 08                  | 3.81   | 12.6                | 7.0     | 2.6     | 0.9     | 2.36                                                                                                                   | 3.11  | 4.90  |
| 09                  | 3.33   | 10.9                | 6.3     | 2.2     | 0.7     | 2.50                                                                                                                   | 3.20  | 4.03  |
| 10                  | 3.87   | 13.9                | 7.7     | 2.3     | 1.0     | 2.53                                                                                                                   | 3.69  | 4.97  |
| 11                  | 2.85   | 13.9                | 6.3     | 1.9     | 0.3     | 2.07                                                                                                                   | 2.69  | 3.49  |
| 12                  | 2.93   | 15.4                | 6.4     | 1.6     | 0.4     | 2.22                                                                                                                   | 2.79  | 3.67  |
| Summary             | 38.70  | 162.0               | 83.2    | 24.2    | 7.0     | 26.67                                                                                                                  | 35.47 | 48.07 |

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| Growing Degree Units (Monthly)          |     |     |      |       |       |       |       |       |       |       |      |     |
|-----------------------------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|------|-----|
| Base                                    | Jan | Feb | Mar  | Apr   | May   | Jun   | Jul   | Aug   | Sep   | Oct   | Nov  | Dec |
| 40                                      | 2.7 | 1.9 | 18.0 | 118.9 | 416.9 | 655.5 | 823.0 | 771.8 | 523.9 | 207.6 | 50.2 | 5.7 |
| 45                                      | 1.0 | 0.3 | 6.8  | 59.9  | 274.9 | 505.7 | 667.9 | 616.8 | 378.3 | 112.0 | 19.9 | 1.0 |
| 50                                      | 0.3 | 0.0 | 2.6  | 26.9  | 156.8 | 357.6 | 513.0 | 461.9 | 244.9 | 50.1  | 6.5  | 0.2 |
| 55                                      | 0.0 | 0.0 | 0.9  | 10.4  | 74.8  | 220.3 | 358.5 | 308.6 | 135.7 | 17.1  | 1.3  | 0.0 |
| 60                                      | 0.0 | 0.0 | 0.1  | 3.4   | 29.1  | 110.5 | 210.1 | 168.2 | 60.1  | 4.2   | 0.2  | 0.0 |
| Growing Degree Units for Corn (Monthly) |     |     |      |       |       |       |       |       |       |       |      |     |
| 50/86                                   | 1.5 | 1.7 | 14.3 | 83.3  | 246.7 | 392.6 | 518.2 | 477.2 | 308.4 | 113.3 | 29.1 | 2.9 |

| Growing Degree Units (Accumulated Monthly)          |     |     |     |     |     |      |      |      |      |      |      |      |
|-----------------------------------------------------|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|
| Base                                                | Jan | Feb | Mar | Apr | May | Jun  | Jul  | Aug  | Sep  | Oct  | Nov  | Dec  |
| 40                                                  | 3   | 5   | 23  | 142 | 558 | 1214 | 2037 | 2809 | 3333 | 3540 | 3590 | 3596 |
| 45                                                  | 1   | 1   | 8   | 68  | 343 | 849  | 1516 | 2133 | 2512 | 2624 | 2644 | 2645 |
| 50                                                  | 0   | 0   | 3   | 30  | 187 | 544  | 1057 | 1519 | 1764 | 1814 | 1821 | 1821 |
| 55                                                  | 0   | 0   | 1   | 11  | 86  | 306  | 665  | 974  | 1109 | 1126 | 1128 | 1128 |
| 60                                                  | 0   | 0   | 0   | 4   | 33  | 143  | 353  | 521  | 582  | 586  | 586  | 586  |
| Growing Degree Units for Corn (Monthly Accumulated) |     |     |     |     |     |      |      |      |      |      |      |      |
| 50/86                                               | 2   | 3   | 18  | 101 | 348 | 740  | 1258 | 1736 | 2044 | 2157 | 2186 | 2189 |

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.