

Summary of Monthly Normals  
1991-2020

Generated on 04/25/2024

Current Location: Elev: 1028 ft. Lat: 41.0194° N Lon: 93.7503° W

Station: OSCEOLA, IA US USC00136316

| 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               | 32.2      | 11.4      | 21.8 | 5.1                   | 5.1                   | 4.9                   | 0.0                 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 1028.9              | 1090.9 | 1183.9 | 1339.0 | 0.0                 | 0.0       | 2.9       | 15.6      | 30.3      | 6.4      |
| 02               | 36.7      | 15.0      | 25.9 | 6.6                   | 6.4                   | 6.4                   | 0.3                 | 0.1   | 0.0   | 0.0   | 0.0   | 0.0   | 816.3               | 872.1  | 956.0  | 1096.1 | 0.0                 | 0.0       | 5.1       | 10.7      | 26.5      | 4.3      |
| 03               | 50.0      | 26.4      | 38.2 | 5.6                   | 4.4                   | 4.8                   | 11.8                | 7.7   | 3.9   | 1.0   | 0.1   | 0.0   | 532.7               | 590.6  | 679.8  | 831.8  | 0.0                 | 0.0       | 15.7      | 2.8       | 22.3      | 0.5      |
| 04               | 62.4      | 37.2      | 49.8 | 3.9                   | 3.5                   | 3.6                   | 53.0                | 36.9  | 20.2  | 5.3   | 0.6   | 0.1   | 209.1               | 253.0  | 326.2  | 461.3  | 0.0                 | 0.0       | 25.9      | 0.2       | 9.5       | 0.0      |
| 05               | 72.2      | 49.1      | 60.7 | 3.3                   | 3.0                   | 2.9                   | 216.2               | 173.1 | 117.9 | 51.6  | 15.8  | 8.8   | 41.1                | 60.0   | 97.7   | 186.5  | 0.0                 | 0.5       | 30.7      | 0.0       | 0.8       | 0.0      |
| 06               | 82.2      | 59.5      | 70.8 | 2.5                   | 2.4                   | 2.1                   | 476.4               | 417.4 | 330.7 | 197.8 | 92.6  | 61.1  | 1.0                 | 2.0    | 5.4    | 22.4   | 0.0                 | 4.2       | 30.0      | 0.0       | 0.0       | 0.0      |
| 07               | 86.5      | 63.9      | 75.2 | 3.7                   | 2.9                   | 3.1                   | 626.1               | 564.1 | 471.2 | 318.7 | 178.7 | 132.0 | 0.0                 | 0.0    | 0.1    | 2.6    | 0.7                 | 10.1      | 31.0      | 0.0       | 0.0       | 0.0      |
| 08               | 84.7      | 61.4      | 73.0 | 2.6                   | 2.9                   | 2.5                   | 559.5               | 497.8 | 405.6 | 258.5 | 133.0 | 94.1  | 0.1                 | 0.3    | 1.2    | 9.0    | 0.4                 | 7.0       | 31.0      | 0.0       | 0.0       | 0.0      |
| 09               | 78.0      | 51.3      | 64.7 | 3.7                   | 3.6                   | 3.3                   | 308.2               | 257.9 | 189.7 | 99.1  | 42.1  | 27.3  | 18.8                | 28.5   | 50.3   | 109.7  | 0.0                 | 3.0       | 30.0      | 0.0       | 0.5       | 0.0      |
| 10               | 64.8      | 39.1      | 52.0 | 3.6                   | 3.0                   | 2.8                   | 80.9                | 59.0  | 35.1  | 12.7  | 3.5   | 1.9   | 175.5               | 215.6  | 284.7  | 417.2  | 0.0                 | 0.1       | 27.5      | 0.1       | 8.6       | 0.0      |
| 11               | 50.1      | 26.9      | 38.5 | 5.9                   | 4.3                   | 4.9                   | 8.0                 | 4.7   | 1.8   | 0.1   | 0.0   | 0.0   | 502.9               | 559.7  | 646.8  | 795.1  | 0.0                 | 0.0       | 15.3      | 2.5       | 21.1      | 0.1      |
| 12               | 37.3      | 17.1      | 27.2 | 5.0                   | 5.1                   | 4.9                   | 0.2                 | 0.1   | 0.0   | 0.0   | 0.0   | 0.0   | 861.9               | 923.8  | 1016.7 | 1171.7 | 0.0                 | 0.0       | 5.4       | 10.9      | 29.0      | 2.5      |
| Summary          | 61.4      | 38.2      | 49.8 | 4.3                   | 3.9                   | 3.8                   | 2341                | 2019  | 1576  | 945   | 466   | 325   | 4188                | 4596   | 5249   | 6442   | 1.1                 | 24.9      | 250.5     | 42.8      | 148.6     | 13.8     |

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

U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service  
  
Current Location: Elev: 1028 ft. Lat: 41.0194° N Lon: 93.7503° W  
Station: **OSCEOLA, IA US USC00136316**

**Summary of Monthly Normals**  
**1991-2020**  
Generated on 04/25/2024

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

| 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                  | 0.97   | 5.2                 | 2.9     | 0.5     | 0.1     | 0.44                                                                                                                   | 0.77  | 1.35  |
| 02                  | 1.28   | 6.2                 | 3.6     | 0.7     | 0.1     | 0.94                                                                                                                   | 1.39  | 1.80  |
| 03                  | 2.13   | 8.0                 | 5.0     | 1.5     | 0.4     | 1.23                                                                                                                   | 1.75  | 2.86  |
| 04                  | 4.12   | 9.8                 | 7.1     | 2.9     | 0.9     | 3.00                                                                                                                   | 4.07  | 5.30  |
| 05                  | 5.50   | 12.7                | 9.1     | 4.1     | 1.5     | 3.76                                                                                                                   | 4.81  | 6.89  |
| 06                  | 5.28   | 10.8                | 8.0     | 3.9     | 1.4     | 3.09                                                                                                                   | 5.71  | 6.96  |
| 07                  | 4.47   | 8.8                 | 6.0     | 2.6     | 1.2     | 2.66                                                                                                                   | 3.47  | 5.02  |
| 08                  | 4.60   | 9.0                 | 6.6     | 2.8     | 1.2     | 2.43                                                                                                                   | 3.38  | 5.78  |
| 09                  | 3.85   | 7.7                 | 5.7     | 2.6     | 1.0     | 1.78                                                                                                                   | 3.14  | 5.11  |
| 10                  | 2.89   | 8.3                 | 4.8     | 1.9     | 0.6     | 1.22                                                                                                                   | 2.37  | 4.11  |
| 11                  | 2.11   | 6.2                 | 3.9     | 1.4     | 0.6     | 1.08                                                                                                                   | 1.85  | 2.73  |
| 12                  | 1.54   | 5.7                 | 3.5     | 1.0     | 0.3     | 0.74                                                                                                                   | 1.56  | 2.21  |
| Summary             | 38.74  | 98.4                | 66.2    | 25.9    | 9.3     | 22.37                                                                                                                  | 34.27 | 50.12 |

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1991-2020  
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| Snow (in.) |                  |                        |     |     |      |       |                          |      |      |     |                                                                                                   |      |       |
|------------|------------------|------------------------|-----|-----|------|-------|--------------------------|------|------|-----|---------------------------------------------------------------------------------------------------|------|-------|
|            | Totals           | Mean Number of Days    |     |     |      |       |                          |      |      |     | Snow Probabilities<br>Probability that snow will be equal to<br>or less than the indicated amount |      |       |
|            | Means            | Snowfall >= Thresholds |     |     |      |       | Snow Depth >= Thresholds |      |      |     | Monthly Snow vs. Probability Levels<br>Values derived from the<br>incomplete gamma distribution.  |      |       |
| Month      | Snowfall<br>Mean | 0.01                   | 1.0 | 3.0 | 5.00 | 10.00 | 1                        | 3    | 5    | 10  | .25                                                                                               | .50  | .75   |
| 01         | 8.20             | 2.9                    | 2.2 | 1.0 | 0.3  | 0.0   | 16.3                     | 9.6  | 4.7  | 0.8 | 3.90                                                                                              | 5.90 | 11.30 |
| 02         | 7.20             | 3.9                    | 2.6 | 1.0 | 0.4  | 0.0   | 14.2                     | 9.6  | 5.6  | 0.9 | 3.20                                                                                              | 8.40 | 10.10 |
| 03         | 3.10             | 1.5                    | 1.0 | 0.2 | 0.1  | 0.0   | 3.8                      | 1.7  | 0.9  | 0.3 | 0.50                                                                                              | 1.40 | 3.50  |
| 04         | 1.10             | 0.5                    | 0.3 | 0.1 | 0.1  | 0.0   | 0.4                      | 0.2  | 0.2  | 0.0 | 0.00                                                                                              | 0.00 | 0.00  |
| 05         | 0.20             | 0.0                    | 0.0 | 0.0 | 0.0  | 0.0   | 0.1                      | 0.0  | 0.0  | 0.0 | 0.00                                                                                              | 0.00 | 0.00  |
| 06         | 0.00             | 0.0                    | 0.0 | 0.0 | 0.0  | 0.0   | 0.0                      | 0.0  | 0.0  | 0.0 | 0.00                                                                                              | 0.00 | 0.00  |
| 07         | 0.00             | 0.0                    | 0.0 | 0.0 | 0.0  | 0.0   | 0.0                      | 0.0  | 0.0  | 0.0 | 0.00                                                                                              | 0.00 | 0.00  |
| 08         | 0.00             | 0.0                    | 0.0 | 0.0 | 0.0  | 0.0   | 0.0                      | 0.0  | 0.0  | 0.0 | 0.00                                                                                              | 0.00 | 0.00  |
| 09         | 0.00             | 0.0                    | 0.0 | 0.0 | 0.0  | 0.0   | 0.0                      | 0.0  | 0.0  | 0.0 | 0.00                                                                                              | 0.00 | 0.00  |
| 10         | 0.50             | 0.2                    | 0.1 | 0.0 | 0.0  | 0.0   | 0.3                      | 0.1  | 0.1  | 0.0 | 0.00                                                                                              | 0.00 | 0.00  |
| 11         | 2.10             | 0.9                    | 0.7 | 0.3 | 0.1  | 0.0   | 1.6                      | 0.8  | 0.3  | 0.1 | 0.00                                                                                              | 0.00 | 1.10  |
| 12         | 5.70             | 2.9                    | 1.8 | 0.7 | 0.2  | 0.1   | 8.8                      | 4.9  | 2.4  | 1.0 | 0.30                                                                                              | 3.30 | 8.20  |
| Summary    | 28.1             | 12.8                   | 8.7 | 3.3 | 1.2  | 0.1   | 45.5                     | 26.9 | 14.2 | 3.1 | 7.9                                                                                               | 19.0 | 34.2  |

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Current Location: Elev: 1028 ft. Lat: 41.0194° N Lon: 93.7503° W  
Station: **OSCEOLA, IA US USC00136316**

| Growing Degree Units (Monthly)          |     |      |       |       |       |       |        |        |       |       |       |      |
|-----------------------------------------|-----|------|-------|-------|-------|-------|--------|--------|-------|-------|-------|------|
| Base                                    | Jan | Feb  | Mar   | Apr   | May   | Jun   | Jul    | Aug    | Sep   | Oct   | Nov   | Dec  |
| Growing Degree Units (Monthly)          |     |      |       |       |       |       |        |        |       |       |       |      |
| Base                                    | Jan | Feb  | Mar   | Apr   | May   | Jun   | Jul    | Aug    | Sep   | Oct   | Nov   | Dec  |
| 40                                      | 5.6 | 19.0 | 114.2 | 319.4 | 640.5 | 925.3 | 1091.1 | 1024.4 | 739.5 | 386.3 | 105.5 | 14.1 |
| 45                                      | 0.9 | 6.6  | 61.8  | 203.8 | 487.9 | 775.3 | 936.1  | 869.4  | 590.4 | 258.9 | 51.5  | 3.5  |
| 50                                      | 0.1 | 1.8  | 30.3  | 113.1 | 343.0 | 625.5 | 781.1  | 714.4  | 444.5 | 156.1 | 22.4  | 0.9  |
| 55                                      | 0.0 | 0.3  | 11.8  | 53.0  | 216.2 | 476.4 | 626.1  | 559.5  | 308.2 | 80.9  | 8.0   | 0.2  |
| 60                                      | 0.0 | 0.0  | 3.9   | 20.2  | 117.9 | 330.7 | 471.2  | 405.6  | 189.7 | 35.1  | 1.8   | 0.0  |
| Growing Degree Units for Corn (Monthly) |     |      |       |       |       |       |        |        |       |       |       |      |
| 50/86                                   | 7.5 | 18.0 | 89.9  | 206.5 | 390.9 | 612.7 | 737.6  | 686.5  | 473.3 | 251.3 | 79.0  | 14.5 |

| Growing Degree Units (Accumulated Monthly)          |   |    |     |     |      |      |      |      |      |      |      |      |
|-----------------------------------------------------|---|----|-----|-----|------|------|------|------|------|------|------|------|
| 40                                                  | 6 | 25 | 139 | 458 | 1099 | 2024 | 3115 | 4140 | 4879 | 5265 | 5371 | 5385 |
| 45                                                  | 1 | 8  | 69  | 273 | 761  | 1536 | 2472 | 3342 | 3932 | 4191 | 4243 | 4246 |
| 50                                                  | 0 | 2  | 32  | 145 | 488  | 1114 | 1895 | 2609 | 3054 | 3210 | 3232 | 3233 |
| 55                                                  | 0 | 0  | 12  | 65  | 281  | 758  | 1384 | 1943 | 2252 | 2332 | 2340 | 2341 |
| 60                                                  | 0 | 0  | 4   | 24  | 142  | 473  | 944  | 1350 | 1539 | 1574 | 1576 | 1576 |
| Growing Degree Units for Corn (Monthly Accumulated) |   |    |     |     |      |      |      |      |      |      |      |      |
| 50/86                                               | 8 | 26 | 115 | 322 | 713  | 1326 | 2063 | 2750 | 3223 | 3474 | 3553 | 3568 |

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.