

Summary of Monthly Normals  
1991-2020

Generated on 06/04/2024

Current Location: Elev: 1542 ft. Lat: 46.8575° N Lon: 95.6067° W

Station: DETROIT LAKES 12E, MN US USC00212146

| 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               | 16.7      | -1.7      | 7.5  | 4.8                   | 7.1                   | 5.8                   | 0.0                 | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 1471.7              | 1533.7 | 1626.8 | 1782.1 | 0.0                 | 0.0       | 0.1       | 27.4      | 31.0      | 16.3     |
| 02               | 21.1      | 1.9       | 11.5 | 6.1                   | 7.9                   | 6.9                   | 0.0                 | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 1217.3              | 1273.3 | 1357.4 | 1497.7 | 0.0                 | 0.0       | 0.3       | 23.8      | 27.9      | 14.5     |
| 03               | 34.0      | 16.3      | 25.2 | 5.6                   | 5.5                   | 5.4                   | 1.0                 | 0.3   | 0.0   | 0.0   | 0.0  | 0.0  | 926.4               | 987.8  | 1080.4 | 1235.4 | 0.0                 | 0.0       | 4.3       | 12.8      | 28.3      | 4.1      |
| 04               | 50.2      | 30.1      | 40.2 | 5.3                   | 3.5                   | 4.3                   | 6.4                 | 3.3   | 0.9   | 0.0   | 0.0  | 0.0  | 451.9               | 508.9  | 596.4  | 745.5  | 0.0                 | 0.0       | 15.4      | 3.2       | 17.3      | 0.1      |
| 05               | 63.9      | 44.0      | 53.9 | 4.0                   | 2.6                   | 3.2                   | 95.4                | 69.0  | 39.0  | 11.1  | 2.5  | 1.0  | 128.3               | 164.0  | 226.9  | 353.8  | 0.0                 | 0.1       | 26.9      | 0.1       | 2.5       | 0.0      |
| 06               | 72.8      | 53.7      | 63.2 | 3.4                   | 2.2                   | 2.7                   | 256.8               | 204.0 | 132.3 | 45.7  | 8.5  | 3.5  | 9.6                 | 16.7   | 35.1   | 98.4   | 0.0                 | 0.1       | 30.0      | 0.0       | 0.0       | 0.0      |
| 07               | 76.6      | 59.2      | 67.9 | 3.1                   | 2.3                   | 2.6                   | 399.9               | 338.9 | 249.8 | 116.6 | 30.5 | 13.9 | 0.3                 | 1.3    | 5.2    | 26.8   | 0.0                 | 0.3       | 31.0      | 0.0       | 0.0       | 0.0      |
| 08               | 75.1      | 56.7      | 65.9 | 2.1                   | 2.0                   | 2.0                   | 339.8               | 280.1 | 196.4 | 85.3  | 21.0 | 9.0  | 2.2                 | 4.6    | 13.8   | 57.6   | 0.0                 | 0.3       | 31.0      | 0.0       | 0.0       | 0.0      |
| 09               | 66.7      | 47.8      | 57.3 | 3.3                   | 2.5                   | 2.7                   | 133.8               | 100.0 | 59.8  | 19.8  | 4.3  | 1.7  | 66.7                | 92.9   | 142.7  | 252.5  | 0.0                 | 0.0       | 29.6      | 0.0       | 0.8       | 0.0      |
| 10               | 52.1      | 34.8      | 43.5 | 4.4                   | 2.7                   | 3.4                   | 18.6                | 12.5  | 6.8   | 1.5   | 0.1  | 0.0  | 376.8               | 432.7  | 519.9  | 669.5  | 0.0                 | 0.0       | 17.7      | 1.8       | 13.2      | 0.0      |
| 11               | 34.9      | 19.9      | 27.4 | 6.6                   | 5.4                   | 5.9                   | 0.1                 | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 827.9               | 887.9  | 977.9  | 1128.0 | 0.0                 | 0.0       | 4.8       | 12.6      | 25.8      | 1.9      |
| 12               | 21.8      | 7.0       | 14.4 | 5.9                   | 5.9                   | 5.8                   | 0.0                 | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 1258.2              | 1320.2 | 1413.3 | 1568.4 | 0.0                 | 0.0       | 0.0       | 25.6      | 30.9      | 9.6      |
| Summary          | 48.8      | 30.8      | 39.8 | 4.5                   | 4.1                   | 4.2                   | 1252                | 1008  | 685   | 280   | 67   | 29   | 6737                | 7224   | 7996   | 9416   | 0.0                 | 0.8       | 191.1     | 107.3     | 177.7     | 46.5     |

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

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| 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                                      | 0.2 | 0.3 | 23.0 | 137.0 | 439.3 | 697.2 | 864.3 | 802.3 | 517.9 | 182.9 | 22.7 | 0.2 |
| 45                                      | 0.0 | 0.0 | 10.5 | 69.1  | 300.4 | 547.2 | 709.3 | 647.3 | 373.2 | 101.5 | 6.1  | 0.0 |
| 50                                      | 0.0 | 0.0 | 4.1  | 25.6  | 182.4 | 398.8 | 554.5 | 492.6 | 241.4 | 48.5  | 1.2  | 0.0 |
| 55                                      | 0.0 | 0.0 | 1.0  | 6.4   | 95.4  | 256.8 | 399.9 | 339.8 | 133.8 | 18.6  | 0.1  | 0.0 |
| 60                                      | 0.0 | 0.0 | 0.0  | 0.9   | 39.0  | 132.3 | 249.8 | 196.4 | 59.8  | 6.8   | 0.0  | 0.0 |
| Growing Degree Units for Corn (Monthly) |     |     |      |       |       |       |       |       |       |       |      |     |
| 50/86                                   | 0.2 | 0.1 | 13.7 | 83.9  | 241.0 | 412.0 | 555.7 | 498.1 | 282.8 | 95.2  | 12.2 | 0.0 |

| Growing Degree Units (Accumulated Monthly)          |   |   |    |     |     |      |      |      |      |      |      |      |
|-----------------------------------------------------|---|---|----|-----|-----|------|------|------|------|------|------|------|
| 40                                                  | 0 | 0 | 24 | 160 | 600 | 1297 | 2161 | 2964 | 3482 | 3664 | 3687 | 3687 |
| 45                                                  | 0 | 0 | 10 | 80  | 380 | 927  | 1636 | 2284 | 2657 | 2758 | 2765 | 2765 |
| 50                                                  | 0 | 0 | 4  | 30  | 212 | 611  | 1165 | 1658 | 1899 | 1948 | 1949 | 1949 |
| 55                                                  | 0 | 0 | 1  | 7   | 103 | 360  | 760  | 1099 | 1233 | 1252 | 1252 | 1252 |
| 60                                                  | 0 | 0 | 0  | 1   | 40  | 172  | 422  | 618  | 678  | 685  | 685  | 685  |
| Growing Degree Units for Corn (Monthly Accumulated) |   |   |    |     |     |      |      |      |      |      |      |      |
| 50/86                                               | 0 | 0 | 14 | 98  | 339 | 751  | 1307 | 1805 | 2088 | 2183 | 2195 | 2195 |

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.