

Summary of Monthly Normals  
1991-2020

Current Location: Elev: 670 ft. Lat: 44.2114° N Lon: 86.2939° W  
Station: **MANISTEE 3SE, MI US USC00205065**  
Generated on 06/04/2024

| 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               | 30.2      | 18.6      | 24.4 | 4.0                   | 4.9                   | 4.4                   | 0.0                 | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 948.5               | 1010.5 | 1103.5 | 1258.5 | 0.0                 | 0.0       | 0.6       | 19.1      | 28.8      | 0.9      |
| 02               | 32.5      | 19.2      | 25.9 | 4.8                   | 4.9                   | 4.7                   | 0.1                 | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 816.2               | 872.1  | 956.1  | 1096.1 | 0.0                 | 0.0       | 1.1       | 14.2      | 25.6      | 1.1      |
| 03               | 42.1      | 25.3      | 33.7 | 5.1                   | 4.6                   | 4.7                   | 6.4                 | 4.7   | 2.7   | 0.9   | 0.1  | 0.0  | 666.7               | 726.9  | 818.0  | 971.2  | 0.0                 | 0.0       | 7.2       | 6.1       | 23.8      | 0.3      |
| 04               | 54.8      | 34.7      | 44.8 | 4.3                   | 3.0                   | 3.6                   | 24.7                | 16.0  | 7.3   | 1.5   | 0.2  | 0.0  | 332.1               | 383.5  | 464.7  | 609.0  | 0.0                 | 0.0       | 19.3      | 0.5       | 12.2      | 0.0      |
| 05               | 67.1      | 44.8      | 55.9 | 3.9                   | 3.6                   | 3.5                   | 129.0               | 97.7  | 61.9  | 25.5  | 7.3  | 3.5  | 99.5                | 130.3  | 187.5  | 306.0  | 0.0                 | 0.0       | 29.2      | 0.0       | 2.9       | 0.0      |
| 06               | 76.1      | 54.0      | 65.0 | 2.4                   | 3.0                   | 2.5                   | 312.8               | 259.8 | 186.4 | 89.4  | 32.7 | 19.4 | 11.4                | 18.4   | 34.9   | 88.0   | 0.0                 | 0.5       | 29.9      | 0.0       | 0.1       | 0.0      |
| 07               | 79.7      | 59.1      | 69.4 | 3.0                   | 3.5                   | 3.2                   | 447.6               | 386.9 | 298.7 | 166.6 | 69.0 | 42.0 | 1.3                 | 2.6    | 7.4    | 30.2   | 0.0                 | 1.3       | 31.0      | 0.0       | 0.0       | 0.0      |
| 08               | 78.1      | 58.7      | 68.4 | 2.7                   | 3.6                   | 2.9                   | 417.7               | 357.5 | 269.9 | 141.1 | 51.1 | 29.6 | 2.3                 | 4.2    | 9.6    | 35.8   | 0.0                 | 0.6       | 31.0      | 0.0       | 0.0       | 0.0      |
| 09               | 72.0      | 52.4      | 62.2 | 3.0                   | 2.9                   | 2.8                   | 243.4               | 197.1 | 136.5 | 61.0  | 19.8 | 10.8 | 27.5                | 41.2   | 70.6   | 145.1  | 0.0                 | 0.3       | 29.9      | 0.0       | 0.4       | 0.0      |
| 10               | 59.1      | 42.2      | 50.7 | 2.8                   | 2.5                   | 2.5                   | 57.7                | 41.1  | 23.1  | 7.1   | 1.9  | 1.1  | 192.5               | 237.8  | 313.0  | 451.9  | 0.0                 | 0.0       | 25.1      | 0.1       | 4.5       | 0.0      |
| 11               | 46.1      | 33.0      | 39.5 | 5.2                   | 3.2                   | 4.1                   | 4.8                 | 2.6   | 0.8   | 0.0   | 0.0  | 0.0  | 468.3               | 526.1  | 614.3  | 763.5  | 0.0                 | 0.0       | 10.0      | 3.3       | 15.3      | 0.0      |
| 12               | 35.1      | 24.4      | 29.7 | 4.2                   | 3.9                   | 4.0                   | 0.0                 | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 782.7               | 844.7  | 937.7  | 1092.7 | 0.0                 | 0.0       | 1.4       | 11.9      | 26.3      | 0.2      |
| Summary          | 56.1      | 38.9      | 47.5 | 3.8                   | 3.6                   | 3.6                   | 1644                | 1363  | 987   | 493   | 182  | 106  | 4349                | 4798   | 5517   | 6848   | 0.0                 | 2.7       | 215.7     | 55.2      | 139.9     | 2.5      |

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                  | 2.20   | 17.4                | 7.2     | 1.0     | 0.1     | 1.54                                                                                                                   | 2.18  | 2.84  |  |
| 02                  | 1.59   | 11.5                | 4.8     | 0.5     | 0.1     | 1.07                                                                                                                   | 1.60  | 1.98  |  |
| 03                  | 2.22   | 10.7                | 5.2     | 1.2     | 0.2     | 1.33                                                                                                                   | 1.93  | 2.74  |  |
| 04                  | 3.44   | 11.7                | 7.6     | 2.4     | 0.9     | 2.63                                                                                                                   | 3.42  | 4.33  |  |
| 05                  | 3.29   | 11.9                | 7.4     | 2.2     | 0.9     | 2.07                                                                                                                   | 2.95  | 3.76  |  |
| 06                  | 3.76   | 10.2                | 6.7     | 2.3     | 0.8     | 2.27                                                                                                                   | 3.28  | 4.46  |  |
| 07                  | 3.29   | 9.3                 | 5.8     | 2.0     | 0.9     | 2.08                                                                                                                   | 2.83  | 4.61  |  |
| 08                  | 3.32   | 9.5                 | 5.9     | 2.0     | 0.7     | 2.12                                                                                                                   | 3.35  | 4.44  |  |
| 09                  | 3.26   | 11.3                | 7.1     | 2.2     | 0.4     | 2.52                                                                                                                   | 3.16  | 4.16  |  |
| 10                  | 4.12   | 14.5                | 8.1     | 2.3     | 0.8     | 2.23                                                                                                                   | 3.98  | 5.53  |  |
| 11                  | 3.17   | 15.2                | 7.4     | 1.7     | 0.4     | 1.89                                                                                                                   | 2.62  | 4.28  |  |
| 12                  | 2.68   | 16.3                | 7.7     | 1.1     | 0.3     | 1.79                                                                                                                   | 2.29  | 3.29  |  |
| Summary             | 36.34  | 149.5               | 80.9    | 20.9    | 6.5     | 23.54                                                                                                                  | 33.59 | 46.42 |  |

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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                                                  | 2.7 | 6.6 | 56.2 | 196.0 | 496.7 | 751.5 | 911.3 | 880.3 | 666.1 | 339.7 | 101.1 | 11.6 |
| 45                                                  | 0.3 | 1.8 | 27.9 | 111.6 | 353.2 | 601.9 | 756.3 | 725.3 | 517.1 | 212.0 | 45.9  | 3.5  |
| 50                                                  | 0.0 | 0.3 | 13.6 | 57.3  | 228.1 | 453.8 | 601.6 | 570.6 | 373.0 | 117.7 | 17.3  | 0.8  |
| 55                                                  | 0.0 | 0.1 | 6.4  | 24.7  | 129.0 | 312.8 | 447.6 | 417.7 | 243.4 | 57.7  | 4.8   | 0.0  |
| 60                                                  | 0.0 | 0.0 | 2.7  | 7.3   | 61.9  | 186.4 | 298.7 | 269.9 | 136.5 | 23.1  | 0.8   | 0.0  |
| Growing Degree Units for Corn (Monthly)             |     |     |      |       |       |       |       |       |       |       |       |      |
| 50/86                                               | 0.5 | 2.6 | 31.4 | 115.6 | 294.3 | 472.5 | 601.2 | 574.1 | 402.5 | 170.4 | 41.0  | 3.5  |
| Growing Degree Units (Accumulated Monthly)          |     |     |      |       |       |       |       |       |       |       |       |      |
| 40                                                  | 3   | 9   | 66   | 262   | 758   | 1510  | 2421  | 3301  | 3967  | 4307  | 4408  | 4420 |
| 45                                                  | 0   | 2   | 30   | 142   | 495   | 1097  | 1853  | 2578  | 3095  | 3307  | 3353  | 3357 |
| 50                                                  | 0   | 0   | 14   | 71    | 299   | 753   | 1355  | 1925  | 2298  | 2416  | 2433  | 2434 |
| 55                                                  | 0   | 0   | 6    | 31    | 160   | 473   | 921   | 1338  | 1582  | 1639  | 1644  | 1644 |
| 60                                                  | 0   | 0   | 3    | 10    | 72    | 258   | 557   | 827   | 963   | 986   | 987   | 987  |
| Growing Degree Units for Corn (Monthly Accumulated) |     |     |      |       |       |       |       |       |       |       |       |      |
| 50/86                                               | 0   | 3   | 34   | 150   | 444   | 917   | 1518  | 2092  | 2495  | 2665  | 2706  | 2710 |

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.