

Summary of Monthly Normals  
1991-2020

Current Location: Elev: 923 ft. Lat: 42.3678° N Lon: 85.2633° W  
Station: **BATTLE CREEK 5NW, MI US USC00200552**  
Generated on 04/25/2024

| 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               | 32.4      | 17.2      | 24.8 | 4.0                   | 5.2                   | 4.5                   | 0.1                 | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 936.1               | 998.0 | 1091.1 | 1246.1 | 0.0                 | 0.0       | 1.9       | 16.0      | 28.7      | 3.5      |
| 02               | 35.7      | 18.1      | 26.9 | 5.0                   | 5.2                   | 5.0                   | 0.1                 | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 786.7               | 842.6 | 926.7  | 1066.7 | 0.0                 | 0.0       | 2.9       | 11.5      | 25.8      | 2.0      |
| 03               | 46.7      | 26.6      | 36.7 | 4.9                   | 4.5                   | 4.5                   | 9.7                 | 6.7   | 4.1   | 1.2   | 0.1  | 0.0  | 578.5               | 637.5 | 727.9  | 880.0  | 0.0                 | 0.0       | 11.8      | 3.1       | 23.2      | 0.5      |
| 04               | 60.0      | 36.9      | 48.4 | 4.0                   | 3.3                   | 3.4                   | 47.2                | 33.6  | 18.8  | 5.6   | 0.9  | 0.3  | 243.7               | 290.2 | 365.3  | 502.1  | 0.0                 | 0.0       | 24.1      | 0.2       | 11.0      | 0.0      |
| 05               | 71.5      | 47.9      | 59.7 | 3.8                   | 3.3                   | 3.5                   | 197.5               | 157.6 | 106.5 | 46.8  | 14.5 | 7.5  | 51.9                | 74.0  | 115.9  | 211.2  | 0.0                 | 0.6       | 30.7      | 0.0       | 1.7       | 0.0      |
| 06               | 79.9      | 56.8      | 68.3 | 2.4                   | 2.1                   | 2.0                   | 403.1               | 345.5 | 262.5 | 141.8 | 56.1 | 34.4 | 2.7                 | 5.1   | 12.1   | 41.4   | 0.0                 | 2.0       | 30.0      | 0.0       | 0.1       | 0.0      |
| 07               | 83.1      | 59.9      | 71.5 | 3.3                   | 3.4                   | 3.2                   | 511.5               | 449.6 | 358.0 | 214.5 | 97.2 | 63.1 | 0.0                 | 0.1   | 1.6    | 13.1   | 0.1                 | 4.4       | 31.0      | 0.0       | 0.0       | 0.0      |
| 08               | 81.3      | 58.4      | 69.9 | 2.6                   | 3.0                   | 2.6                   | 460.4               | 398.9 | 308.4 | 171.1 | 70.0 | 43.9 | 0.1                 | 0.7   | 3.2    | 20.9   | 0.0                 | 2.0       | 31.0      | 0.0       | 0.0       | 0.0      |
| 09               | 74.4      | 51.3      | 62.9 | 3.5                   | 3.0                   | 2.7                   | 256.9               | 208.8 | 144.9 | 65.8  | 21.0 | 11.7 | 21.5                | 33.4  | 59.4   | 130.4  | 0.0                 | 0.9       | 29.9      | 0.0       | 0.6       | 0.0      |
| 10               | 61.7      | 41.7      | 51.7 | 2.5                   | 2.7                   | 2.2                   | 66.1                | 45.7  | 24.0  | 6.1   | 1.2  | 0.4  | 168.5               | 210.1 | 281.4  | 418.5  | 0.0                 | 0.0       | 27.0      | 0.0       | 5.7       | 0.0      |
| 11               | 48.2      | 31.6      | 39.9 | 5.4                   | 3.8                   | 4.4                   | 8.7                 | 5.2   | 1.9   | 0.1   | 0.0  | 0.0  | 461.7               | 518.1 | 604.9  | 753.1  | 0.0                 | 0.0       | 12.6      | 2.3       | 18.4      | 0.0      |
| 12               | 36.8      | 22.6      | 29.7 | 4.4                   | 5.3                   | 4.7                   | 0.6                 | 0.2   | 0.0   | 0.0   | 0.0  | 0.0  | 784.7               | 846.3 | 939.2  | 1094.2 | 0.0                 | 0.0       | 3.2       | 10.2      | 27.2      | 1.0      |
| Summary          | 59.3      | 39.1      | 49.2 | 3.8                   | 3.7                   | 3.6                   | 1962                | 1652  | 1229  | 653   | 261  | 161  | 4036                | 4456  | 5129   | 6378   | 0.1                 | 9.9       | 236.1     | 43.3      | 142.4     | 7.0      |

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

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

| 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                  | 2.09   | 14.0                | 5.7     | 0.9     | 0.1     | 1.21                                                                                                                   | 1.83  | 2.97  |
| 02                  | 1.58   | 10.8                | 4.1     | 0.9     | 0.1     | 0.98                                                                                                                   | 1.41  | 1.80  |
| 03                  | 1.90   | 9.7                 | 4.7     | 1.2     | 0.3     | 1.10                                                                                                                   | 1.72  | 2.31  |
| 04                  | 3.23   | 12.4                | 6.6     | 2.0     | 0.5     | 2.43                                                                                                                   | 3.07  | 4.16  |
| 05                  | 3.95   | 13.0                | 8.2     | 2.9     | 0.9     | 1.88                                                                                                                   | 3.77  | 5.73  |
| 06                  | 3.67   | 11.1                | 6.9     | 2.8     | 0.7     | 2.23                                                                                                                   | 3.07  | 4.95  |
| 07                  | 3.38   | 9.3                 | 5.7     | 2.3     | 0.8     | 1.85                                                                                                                   | 3.16  | 4.89  |
| 08                  | 3.52   | 10.2                | 6.2     | 2.5     | 0.9     | 2.15                                                                                                                   | 3.59  | 4.45  |
| 09                  | 3.07   | 9.9                 | 5.7     | 2.1     | 0.7     | 1.71                                                                                                                   | 2.62  | 4.07  |
| 10                  | 3.66   | 12.9                | 7.5     | 2.5     | 1.0     | 2.46                                                                                                                   | 3.26  | 4.62  |
| 11                  | 2.55   | 10.8                | 5.2     | 1.5     | 0.7     | 1.80                                                                                                                   | 2.28  | 3.50  |
| 12                  | 1.84   | 13.5                | 5.3     | 1.0     | 0.1     | 1.44                                                                                                                   | 1.60  | 2.47  |
| Summary             | 34.44  | 137.6               | 71.8    | 22.6    | 6.8     | 21.24                                                                                                                  | 31.38 | 45.92 |

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

| 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         | 18.10            | 12.8                   | 6.9  | 2.2 | 0.6  | 0.0   | 21.3                     | 16.0 | 10.7 | 3.2 | 11.40                                                                                             | 16.80 | 25.10 |
| 02         | 15.60            | 10.3                   | 5.1  | 1.6 | 0.4  | 0.1   | 17.5                     | 12.5 | 8.9  | 3.3 | 5.70                                                                                              | 14.20 | 24.80 |
| 03         | 6.00             | 5.0                    | 1.7  | 0.6 | 0.2  | 0.0   | 6.9                      | 4.0  | 2.6  | 0.8 | 2.60                                                                                              | 4.10  | 10.10 |
| 04         | 2.10             | 1.9                    | 0.7  | 0.3 | 0.0  | 0.0   | 0.1                      | 0.0  | 0.0  | 0.0 | 0.00                                                                                              | 0.60  | 3.40  |
| 05         | 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  |
| 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             | 0.3                    | 0.1  | 0.1 | 0.0  | 0.0   | 0.1                      | 0.0  | 0.0  | 0.0 | 0.00                                                                                              | 0.00  | 0.00  |
| 11         | 5.90             | 4.3                    | 1.9  | 0.5 | 0.2  | 0.0   | 3.0                      | 1.3  | 0.6  | 0.0 | 0.50                                                                                              | 3.50  | 6.90  |
| 12         | 16.40            | 10.6                   | 5.3  | 1.8 | 0.5  | 0.0   | 13.0                     | 6.7  | 3.0  | 0.9 | 7.80                                                                                              | 12.60 | 19.10 |
| Summary    | 64.6             | 45.2                   | 21.7 | 7.1 | 1.9  | 0.1   | 61.9                     | 40.5 | 25.8 | 8.2 | 28.0                                                                                              | 51.8  | 89.4  |

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Summary of Monthly Normals  
1991-2020  
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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                                      | 8.6 | 13.2 | 88.2 | 285.1 | 611.1 | 850.4 | 976.4 | 925.2 | 685.4 | 371.7 | 115.0 | 20.0 |
| 45                                      | 2.3 | 4.4  | 46.8 | 175.7 | 459.4 | 700.4 | 821.4 | 770.3 | 536.4 | 241.8 | 59.4  | 7.3  |
| 50                                      | 0.5 | 1.1  | 23.1 | 96.2  | 317.4 | 550.8 | 666.4 | 615.3 | 391.4 | 138.6 | 25.8  | 2.4  |
| 55                                      | 0.1 | 0.1  | 9.7  | 47.2  | 197.5 | 403.1 | 511.5 | 460.4 | 256.9 | 66.1  | 8.7   | 0.6  |
| 60                                      | 0.0 | 0.0  | 4.1  | 18.8  | 106.5 | 262.5 | 358.0 | 308.4 | 144.9 | 24.0  | 1.9   | 0.0  |
| Growing Degree Units for Corn (Monthly) |     |      |      |       |       |       |       |       |       |       |       |      |
| 50/86                                   | 3.3 | 7.6  | 55.8 | 176.3 | 375.2 | 555.2 | 653.7 | 613.8 | 426.2 | 206.1 | 58.3  | 8.2  |

| Growing Degree Units (Accumulated Monthly)          |   |    |     |     |      |      |      |      |      |      |      |      |
|-----------------------------------------------------|---|----|-----|-----|------|------|------|------|------|------|------|------|
| 40                                                  | 9 | 22 | 110 | 395 | 1006 | 1857 | 2833 | 3758 | 4444 | 4815 | 4930 | 4950 |
| 45                                                  | 2 | 7  | 54  | 229 | 689  | 1389 | 2210 | 2981 | 3517 | 3759 | 3818 | 3826 |
| 50                                                  | 0 | 2  | 25  | 121 | 438  | 989  | 1656 | 2271 | 2662 | 2801 | 2827 | 2829 |
| 55                                                  | 0 | 0  | 10  | 57  | 255  | 658  | 1169 | 1630 | 1886 | 1953 | 1961 | 1962 |
| 60                                                  | 0 | 0  | 4   | 23  | 129  | 392  | 750  | 1058 | 1203 | 1227 | 1229 | 1229 |
| Growing Degree Units for Corn (Monthly Accumulated) |   |    |     |     |      |      |      |      |      |      |      |      |
| 50/86                                               | 3 | 11 | 67  | 243 | 618  | 1173 | 1827 | 2441 | 2867 | 3073 | 3132 | 3140 |

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.