

U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information  
Service

**Summary of  
Monthly Normals  
1981-2010**

National Climatic Data Center  
Federal Building  
151 Patton Avenue  
Asheville, North Carolina 28801  
www.ncdc.noaa.gov

Station: **MANSFIELD HOLLOW LAK, CT US**

GHCND:USC00064488

Elev: 249 ft. Lat: 41.757° N Lon: 72.186° W

| Temperature (°F) |           |           |      |                         |                         |                         |                     |       |       |       |       |       |                     |       |      |      |                     |           |           |           |           |          |
|------------------|-----------|-----------|------|-------------------------|-------------------------|-------------------------|---------------------|-------|-------|-------|-------|-------|---------------------|-------|------|------|---------------------|-----------|-----------|-----------|-----------|----------|
| Mean             |           |           |      |                         |                         |                         | Cooling Degree Days |       |       |       |       |       | Heating Degree Days |       |      |      | Mean Number of Days |           |           |           |           |          |
|                  |           |           |      |                         |                         |                         | Base (above)        |       |       |       |       |       | Base (below)        |       |      |      |                     |           |           |           |           |          |
| 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 |
| 1                | 35.7      | 13.4      | 24.5 | 4.3                     | 5.8                     | 5.0                     | -7777               | -7777 | 0     | 0     | 0     | 0     | 944                 | 1006  | 1099 | 1254 | 0.0                 | 0.0       | 3.0       | 10.7      | 29.8      | 4.6      |
| 2                | 38.9      | 16.2      | 27.5 | 4.0                     | 3.9                     | 3.8                     | 0                   | 0     | 0     | 0     | 0     | 0     | 769                 | 825   | 909  | 1048 | 0.0                 | 0.0       | 3.6       | 6.7       | 26.4      | 2.0      |
| 3                | 46.7      | 23.9      | 35.3 | 3.1                     | 2.9                     | 2.8                     | 1                   | 1     | -7777 | -7777 | 0     | 0     | 612                 | 673   | 766  | 921  | 0.0                 | 0.0       | 10.9      | 1.8       | 25.6      | 0.1      |
| 4                | 58.5      | 34.5      | 46.5 | 2.8                     | 2.3                     | 2.3                     | 20                  | 13    | 7     | 2     | -7777 | -7777 | 275                 | 328   | 412  | 557  | 0.0                 | 0.1       | 24.3      | 0.1       | 12.2      | 0.0      |
| 5                | 69.2      | 43.8      | 56.5 | 3.1                     | 2.0                     | 2.3                     | 116                 | 83    | 47    | 13    | 2     | 1     | 70                  | 99    | 155  | 276  | 0.0                 | 0.3       | 30.6      | 0.0       | 2.4       | 0.0      |
| 6                | 77.6      | 53.5      | 65.5 | 2.4                     | 2.3                     | 1.9                     | 321                 | 265   | 189   | 88    | 28    | 15    | 4                   | 9     | 23   | 72   | 0.0                 | 1.4       | 30.0      | 0.0       | -7777     | 0.0      |
| 7                | 82.3      | 59.3      | 70.8 | 2.4                     | 1.9                     | 1.9                     | 490                 | 428   | 336   | 190   | 79    | 49    | -7777               | -7777 | 1    | 11   | -7777               | 2.9       | 31.0      | 0.0       | 0.0       | 0.0      |
| 8                | 81.4      | 57.4      | 69.4 | 2.3                     | 2.1                     | 1.8                     | 447                 | 385   | 295   | 157   | 59    | 35    | -7777               | 1     | 3    | 20   | 0.0                 | 1.9       | 31.0      | 0.0       | 0.0       | 0.0      |
| 9                | 74.0      | 48.3      | 61.2 | 2.4                     | 1.9                     | 1.9                     | 212                 | 168   | 109   | 43    | 12    | 6     | 28                  | 43    | 75   | 159  | 0.0                 | 0.4       | 30.0      | 0.0       | 0.8       | 0.0      |
| 10               | 63.1      | 35.9      | 49.5 | 2.5                     | 2.8                     | 2.4                     | 34                  | 21    | 10    | 2     | -7777 | -7777 | 205                 | 254   | 336  | 483  | 0.0                 | 0.0       | 29.4      | 0.0       | 12.1      | 0.0      |
| 11               | 52.2      | 29.7      | 41.0 | 3.0                     | 2.6                     | 2.5                     | 5                   | 3     | 1     | -7777 | 0     | 0     | 427                 | 484   | 573  | 722  | 0.0                 | 0.0       | 17.0      | 0.5       | 19.5      | 0.0      |
| 12               | 40.5      | 19.9      | 30.2 | 4.5                     | 4.4                     | 4.3                     | -7777               | -7777 | 0     | 0     | 0     | 0     | 769                 | 831   | 924  | 1079 | 0.0                 | 0.0       | 5.6       | 6.3       | 27.8      | 1.2      |
| Summary          | 60.0      | 36.3      | 48.2 | 3.1                     | 2.9                     | 2.7                     | 1646                | 1367  | 994   | 495   | 180   | 106   | 4103                | 4553  | 5276 | 6602 | 0.0                 | 7.0       | 246.4     | 26.1      | 156.6     | 7.9      |

@ Denotes mean number of days greater than 0 but less than 0.05; or insufficient data for calculation.

-4444: year-round risk of frost-freeze

-6666: parameter undefined; 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 | .25  | .50   | .75   |
| 1                   | 4.04   | 10.4                | 7.5     | 3.0     | 1.0     | 2.76   | 3.51  | 5.20  |
| 2                   | 3.57   | 8.9                 | 6.7     | 2.1     | 0.7     | 2.61   | 3.18  | 4.54  |
| 3                   | 4.77   | 10.4                | 7.6     | 3.3     | 1.2     | 3.43   | 4.01  | 6.35  |
| 4                   | 4.76   | 11.2                | 7.4     | 3.1     | 1.3     | 2.64   | 4.55  | 5.88  |
| 5                   | 4.14   | 11.4                | 7.7     | 2.7     | 1.0     | 3.24   | 3.71  | 5.31  |
| 6                   | 4.34   | 10.6                | 6.7     | 2.7     | 1.1     | 2.30   | 3.84  | 5.96  |
| 7                   | 4.06   | 9.3                 | 6.4     | 2.6     | 1.1     | 2.97   | 3.99  | 5.21  |
| 8                   | 4.14   | 8.7                 | 6.0     | 2.9     | 1.2     | 2.75   | 3.75  | 5.61  |
| 9                   | 4.10   | 9.4                 | 6.7     | 2.8     | 1.0     | 2.08   | 3.56  | 6.06  |
| 10                  | 4.69   | 8.8                 | 6.2     | 3.0     | 1.5     | 2.37   | 3.86  | 6.86  |
| 11                  | 4.84   | 10.0                | 7.3     | 3.7     | 1.5     | 3.28   | 4.67  | 6.08  |
| 12                  | 4.63   | 10.6                | 7.6     | 3.2     | 1.1     | 2.57   | 4.79  | 6.16  |
| Summary             | 52.08  | 119.7               | 83.8    | 35.1    | 13.7    | 33.00  | 47.42 | 69.22 |

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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 | 0.1                    | 1.0   | 3.0 | 5.0 | 10.0  | 1                        | 3    | 5    | 10  | .25   | .50  | .75  |
| 1          | 9.9              | 4.1                    | 3.8   | 1.1 | 0.5 | -7777 | 14.5                     | 9.8  | 6.8  | 1.7 | 5.0   | 8.3  | 15.9 |
| 2          | 6.0              | 2.8                    | 2.5   | 0.8 | 0.4 | 0.1   | 12.3                     | 8.8  | 5.1  | 1.1 | 2.5   | 4.3  | 7.9  |
| 3          | 6.0              | 2.3                    | 2.0   | 0.8 | 0.3 | -7777 | 4.7                      | 2.4  | 1.1  | 0.1 | 1.0   | 4.0  | 10.0 |
| 4          | 1.7              | 0.4                    | 0.4   | 0.1 | 0.1 | 0.1   | 0.6                      | 0.4  | 0.4  | 0.2 | 0.0   | 0.0  | 0.0  |
| 5          | 0.0              | 0.0                    | 0.0   | 0.0 | 0.0 | 0.0   | 0.0                      | 0.0  | 0.0  | 0.0 | 0.0   | 0.0  | 0.0  |
| 6          | 0.0              | 0.0                    | 0.0   | 0.0 | 0.0 | 0.0   | 0.0                      | 0.0  | 0.0  | 0.0 | 0.0   | 0.0  | 0.0  |
| 7          | 0.0              | 0.0                    | 0.0   | 0.0 | 0.0 | 0.0   | 0.0                      | 0.0  | 0.0  | 0.0 | 0.0   | 0.0  | 0.0  |
| 8          | 0.0              | 0.0                    | 0.0   | 0.0 | 0.0 | 0.0   | 0.0                      | 0.0  | 0.0  | 0.0 | 0.0   | 0.0  | 0.0  |
| 9          | 0.0              | 0.0                    | 0.0   | 0.0 | 0.0 | 0.0   | 0.0                      | 0.0  | 0.0  | 0.0 | 0.0   | 0.0  | 0.0  |
| 10         | 0.1              | -7777                  | -7777 | 0.0 | 0.0 | 0.0   | -7777                    | 0.0  | 0.0  | 0.0 | 0.0   | 0.0  | 0.0  |
| 11         | 1.2              | 0.5                    | 0.5   | 0.2 | 0.1 | 0.0   | 0.8                      | 0.4  | 0.1  | 0.0 | 0.0   | 0.0  | 2.0  |
| 12         | 5.3              | 2.2                    | 2.1   | 0.7 | 0.4 | 0.0   | 7.4                      | 4.0  | 2.8  | 0.4 | 2.3   | 4.0  | 7.0  |
| Summary    | 30.2             | 12.3                   | 11.3  | 3.7 | 1.8 | 0.2   | 40.3                     | 25.8 | 16.3 | 3.5 | 10.8  | 20.6 | 42.8 |

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| Growing Degree Units (Monthly)          |       |       |       |     |     |     |     |     |     |     |     |       |
|---|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| Base                                    | Jan   | Feb   | Mar   | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec   |
| 40                                      | 8     | 9     | 46    | 216 | 512 | 766 | 955 | 911 | 634 | 303 | 110 | 21    |
| 45                                      | 2     | 2     | 17    | 115 | 360 | 616 | 800 | 756 | 485 | 179 | 50  | 8     |
| 50                                      | 1     | -7777 | 5     | 52  | 224 | 467 | 645 | 601 | 341 | 89  | 18  | 2     |
| 55                                      | -7777 | 0     | 1     | 20  | 116 | 321 | 490 | 447 | 212 | 34  | 5   | -7777 |
| 60                                      | 0     | 0     | -7777 | 7   | 47  | 189 | 336 | 295 | 109 | 10  | 1   | 0     |
| Growing Degree Units for Corn (Monthly) |       |       |       |     |     |     |     |     |     |     |     |       |
| 50/86                                   | 8     | 10    | 40    | 143 | 310 | 485 | 633 | 600 | 402 | 210 | 76  | 16    |

| Growing Degree Units (Accumulated Monthly) |       |       |       |     |     |      |      |      |      |      |      |       |
|--|-------|-------|-------|-----|-----|------|------|------|------|------|------|-------|
| Base                                       | Jan   | Feb   | Mar   | Apr | May | Jun  | Jul  | Aug  | Sep  | Oct  | Nov  | Dec   |
| 40   | 8     | 17    | 63    | 279 | 791 | 1557 | 2512 | 3423 | 4057 | 4360 | 4470 | 4491  |
| 45   | 2     | 4     | 21    | 136 | 496 | 1112 | 1912 | 2668 | 3153 | 3332 | 3382 | 3390  |
| 50   | 1     | -7777 | 6     | 58  | 282 | 749  | 1394 | 1995 | 2336 | 2425 | 2443 | 2445  |
| 55   | -7777 | 0     | 1     | 21  | 137 | 458  | 948  | 1395 | 1607 | 1641 | 1646 | -7777 |
| 60   | 0     | 0     | -7777 | 7   | 54  | 243  | 579  | 874  | 983  | 993  | 994  | 994   |
| Growing Degree Units for Corn (Monthly)    |       |       |       |     |     |      |      |      |      |      |      |       |
| 50/86                                      | 8     | 18    | 58    | 201 | 511 | 996  | 1629 | 2229 | 2631 | 2841 | 2917 | 2933  |

**Note:** For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

**M** indicates the value is missing

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