

Summary of Monthly Normals  
1991-2020

Generated on 04/27/2024

Current Location: Elev: 20 ft. Lat: 42.7594° N Lon: 71.0603° W  
Station: HAVERHILL, MA US USC00193505

| 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               | 34.9      | 16.2      | 25.6 | 4.1                   | 4.9                   | 4.4                   | 0.2                 | 0.1   | 0.0   | 0.0   | 0.0  | 0.0  | 913.0               | 975.0 | 1067.9 | 1222.9 | 0.0                 | 0.0       | 3.4       | 11.9      | 28.6      | 2.3      |
| 02               | 37.6      | 16.9      | 27.2 | 4.2                   | 4.8                   | 4.4                   | 0.0                 | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 776.9               | 833.0 | 917.0  | 1057.0 | 0.0                 | 0.0       | 3.6       | 8.1       | 26.3      | 1.5      |
| 03               | 45.0      | 24.3      | 34.7 | 3.7                   | 3.9                   | 3.7                   | 2.9                 | 1.9   | 1.0   | 0.3   | 0.1  | 0.0  | 633.7               | 694.8 | 786.8  | 941.1  | 0.0                 | 0.0       | 9.7       | 2.7       | 24.4      | 0.2      |
| 04               | 57.0      | 34.3      | 45.6 | 2.8                   | 2.0                   | 2.3                   | 21.4                | 15.3  | 8.5   | 2.2   | 0.4  | 0.1  | 301.9               | 355.8 | 439.0  | 582.7  | 0.0                 | 0.1       | 23.4      | 0.1       | 11.9      | 0.0      |
| 05               | 67.5      | 44.8      | 56.1 | 3.2                   | 2.0                   | 2.4                   | 109.7               | 81.1  | 48.9  | 17.3  | 4.2  | 2.0  | 74.1                | 107.4 | 168.2  | 291.6  | 0.0                 | 0.7       | 30.1      | 0.0       | 1.0       | 0.0      |
| 06               | 76.4      | 54.4      | 65.4 | 2.3                   | 1.5                   | 1.6                   | 317.2               | 262.5 | 187.5 | 90.4  | 33.8 | 20.9 | 5.2                 | 10.5  | 25.5   | 78.5   | 0.0                 | 2.7       | 29.9      | 0.0       | 0.0       | 0.0      |
| 07               | 82.4      | 61.1      | 71.8 | 2.6                   | 2.2                   | 2.2                   | 519.3               | 457.4 | 364.9 | 217.4 | 99.3 | 65.9 | 0.0                 | 0.2   | 0.7    | 8.2    | 0.1                 | 5.5       | 31.0      | 0.0       | 0.0       | 0.0      |
| 08               | 81.1      | 58.8      | 69.9 | 2.1                   | 2.1                   | 1.9                   | 463.5               | 401.7 | 310.1 | 170.2 | 69.0 | 43.8 | 0.1                 | 0.3   | 1.7    | 16.8   | 0.0                 | 3.7       | 31.0      | 0.0       | 0.0       | 0.0      |
| 09               | 73.5      | 51.1      | 62.3 | 2.4                   | 2.3                   | 2.1                   | 237.3               | 190.4 | 128.6 | 54.5  | 16.6 | 9.2  | 18.4                | 31.4  | 59.6   | 135.5  | 0.0                 | 0.7       | 30.0      | 0.0       | 0.2       | 0.0      |
| 10               | 61.8      | 39.6      | 50.7 | 2.7                   | 3.2                   | 2.6                   | 44.8                | 30.0  | 15.0  | 3.3   | 0.6  | 0.3  | 178.1               | 225.3 | 303.3  | 446.5  | 0.0                 | 0.0       | 28.9      | 0.0       | 6.2       | 0.0      |
| 11               | 50.5      | 30.6      | 40.5 | 3.5                   | 2.3                   | 2.7                   | 6.3                 | 3.6   | 1.4   | 0.1   | 0.0  | 0.0  | 439.8               | 497.1 | 584.8  | 733.6  | 0.0                 | 0.0       | 15.8      | 0.5       | 18.3      | 0.0      |
| 12               | 40.2      | 22.3      | 31.2 | 3.6                   | 3.5                   | 3.4                   | 0.3                 | 0.1   | 0.0   | 0.0   | 0.0  | 0.0  | 736.5               | 798.3 | 891.2  | 1046.2 | 0.0                 | 0.0       | 5.5       | 5.9       | 26.6      | 0.2      |
| Summary          | 59.0      | 37.9      | 48.4 | 3.1                   | 2.9                   | 2.8                   | 1723                | 1444  | 1066  | 556   | 224  | 142  | 4078                | 4529  | 5246   | 6561   | 0.1                 | 13.4      | 242.3     | 29.2      | 143.5     | 4.2      |

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                  | 3.53   | 10.6                | 6.9     | 2.6     | 0.7     | 2.74                                                                                                                   | 3.24  | 4.37  |  |
| 02                  | 3.59   | 9.7                 | 6.4     | 2.3     | 0.7     | 2.25                                                                                                                   | 3.31  | 4.50  |  |
| 03                  | 4.80   | 11.4                | 7.5     | 3.3     | 1.3     | 3.36                                                                                                                   | 3.94  | 5.40  |  |
| 04                  | 4.29   | 12.0                | 7.6     | 3.0     | 1.0     | 2.77                                                                                                                   | 4.20  | 5.53  |  |
| 05                  | 4.08   | 12.8                | 7.9     | 2.2     | 0.8     | 2.39                                                                                                                   | 3.67  | 4.49  |  |
| 06                  | 4.23   | 11.4                | 7.6     | 2.5     | 0.7     | 2.29                                                                                                                   | 3.30  | 5.32  |  |
| 07                  | 3.55   | 10.0                | 6.2     | 2.5     | 0.9     | 1.62                                                                                                                   | 3.28  | 4.56  |  |
| 08                  | 3.76   | 9.4                 | 5.7     | 2.5     | 0.9     | 2.16                                                                                                                   | 3.22  | 5.48  |  |
| 09                  | 4.01   | 9.3                 | 6.0     | 2.6     | 1.1     | 2.36                                                                                                                   | 3.17  | 5.59  |  |
| 10                  | 5.32   | 11.5                | 7.2     | 3.3     | 1.7     | 3.42                                                                                                                   | 5.30  | 6.18  |  |
| 11                  | 3.90   | 10.9                | 7.1     | 2.5     | 1.1     | 2.46                                                                                                                   | 3.56  | 4.71  |  |
| 12                  | 4.52   | 11.5                | 7.7     | 3.1     | 1.1     | 3.55                                                                                                                   | 4.63  | 5.56  |  |
| Summary             | 49.58  | 130.5               | 83.8    | 32.4    | 12.0    | 31.37                                                                                                                  | 44.82 | 61.69 |  |

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

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Summary of Monthly Normals  
1991-2020  
Generated on 04/27/2024

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

| 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         | 16.20            | 5.8                    | 4.4  | 1.9 | 1.0  | 0.3   |                          |     |     |     | 7.60                                                                                              | 14.50 | 17.20 |
| 02         | 15.60            | 5.4                    | 3.6  | 1.9 | 1.0  | 0.3   |                          |     |     |     | 3.00                                                                                              | 12.80 | 25.80 |
| 03         | 11.90            | 3.7                    | 3.0  | 1.5 | 1.0  | 0.3   |                          |     |     |     | 3.90                                                                                              | 9.00  | 16.70 |
| 04         | 1.80             | 0.6                    | 0.5  | 0.2 | 0.1  | 0.0   |                          |     |     |     | 0.00                                                                                              | 0.00  | 1.20  |
| 05         | 0.00             | 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   |                          |     |     |     | 0.00                                                                                              | 0.00  | 0.00  |
| 07         | 0.00             | 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   |                          |     |     |     | 0.00                                                                                              | 0.00  | 0.00  |
| 09         | 0.00             | 0.0                    | 0.0  | 0.0 | 0.0  | 0.0   |                          |     |     |     | 0.00                                                                                              | 0.00  | 0.00  |
| 10         | 0.10             | 0.0                    | 0.0  | 0.0 | 0.0  | 0.0   |                          |     |     |     | 0.00                                                                                              | 0.00  | 0.00  |
| 11         | 1.40             | 0.7                    | 0.5  | 0.2 | 0.0  | 0.0   |                          |     |     |     | 0.00                                                                                              | 0.00  | 2.50  |
| 12         | 10.80            | 4.0                    | 3.2  | 1.4 | 1.0  | 0.2   |                          |     |     |     | 2.30                                                                                              | 10.70 | 16.40 |
| Summary    | 57.8             | 20.2                   | 15.2 | 7.1 | 4.1  | 1.1   | 0.0                      | 0.0 | 0.0 | 0.0 | 16.8                                                                                              | 47.0  | 79.8  |

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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                                      | 8.9 | 8.8 | 43.4 | 199.8 | 500.8 | 762.0 | 984.1 | 928.4 | 669.0 | 338.9 | 107.2 | 22.2 |
| 45                                      | 2.3 | 2.2 | 18.3 | 106.6 | 348.7 | 612.0 | 829.1 | 773.4 | 519.3 | 206.6 | 50.2  | 7.0  |
| 50                                      | 0.6 | 0.3 | 7.5  | 49.2  | 211.8 | 462.8 | 674.1 | 618.4 | 372.4 | 105.6 | 19.9  | 1.6  |
| 55                                      | 0.2 | 0.0 | 2.9  | 21.4  | 109.7 | 317.2 | 519.3 | 463.5 | 237.3 | 44.8  | 6.3   | 0.3  |
| 60                                      | 0.0 | 0.0 | 1.0  | 8.5   | 48.9  | 187.5 | 364.9 | 310.1 | 128.6 | 15.0  | 1.4   | 0.0  |
| Growing Degree Units for Corn (Monthly) |     |     |      |       |       |       |       |       |       |       |       |      |
| 50/86                                   | 7.5 | 9.2 | 35.1 | 128.6 | 284.7 | 469.9 | 656.6 | 608.2 | 408.9 | 196.3 | 63.5  | 14.1 |

| Growing Degree Units (Accumulated Monthly)          |   |    |    |     |     |      |      |      |      |      |      |      |
|-----------------------------------------------------|---|----|----|-----|-----|------|------|------|------|------|------|------|
| 40                                                  | 9 | 18 | 61 | 261 | 762 | 1524 | 2508 | 3436 | 4105 | 4444 | 4551 | 4574 |
| 45                                                  | 2 | 4  | 23 | 129 | 478 | 1090 | 1919 | 2693 | 3212 | 3418 | 3469 | 3476 |
| 50                                                  | 1 | 1  | 8  | 58  | 269 | 732  | 1406 | 2025 | 2397 | 2503 | 2523 | 2524 |
| 55                                                  | 0 | 0  | 3  | 24  | 134 | 451  | 971  | 1434 | 1671 | 1716 | 1723 | 1723 |
| 60                                                  | 0 | 0  | 1  | 10  | 58  | 246  | 611  | 921  | 1050 | 1064 | 1066 | 1066 |
| Growing Degree Units for Corn (Monthly Accumulated) |   |    |    |     |     |      |      |      |      |      |      |      |
| 50/86                                               | 8 | 17 | 52 | 180 | 465 | 935  | 1592 | 2200 | 2609 | 2805 | 2869 | 2883 |

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.