

Summary of Monthly Normals  
1991-2020

Generated on 04/28/2024

Current Location: Elev: 1860 ft. Lat: 36.1483° N Lon: 85.2650° W

Station: MONTEREY, TN US USC00406170

| 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               | 43.1      | 27.2      | 35.2 | 4.3                   | 4.9                   | 4.5                   | 5.3                 | 2.7   | 0.7   | 0.0   | 0.0   | 0.0   | 620.4               | 679.9 | 770.9 | 925.1 | 0.0                 | 0.0       | 11.0      | 6.8       | 21.1      | 0.6      |
| 02               | 47.4      | 30.1      | 38.8 | 4.9                   | 4.9                   | 4.8                   | 8.7                 | 4.8   | 1.6   | 0.0   | 0.0   | 0.0   | 463.6               | 515.8 | 596.6 | 735.0 | 0.0                 | 0.0       | 13.4      | 4.0       | 17.3      | 0.2      |
| 03               | 56.2      | 37.3      | 46.7 | 4.9                   | 4.3                   | 4.5                   | 44.3                | 30.9  | 16.7  | 4.0   | 0.6   | 0.2   | 300.0               | 348.6 | 427.4 | 569.8 | 0.0                 | 0.0       | 22.3      | 1.5       | 11.8      | 0.0      |
| 04               | 66.5      | 46.3      | 56.4 | 3.6                   | 3.6                   | 3.5                   | 148.2               | 115.8 | 74.7  | 26.6  | 4.8   | 1.5   | 106.2               | 133.8 | 182.7 | 284.6 | 0.0                 | 0.0       | 27.7      | 0.0       | 2.9       | 0.0      |
| 05               | 74.5      | 55.6      | 65.0 | 2.8                   | 3.3                   | 3.0                   | 327.9               | 274.6 | 200.9 | 98.5  | 29.4  | 13.5  | 16.4                | 25.1  | 44.3  | 97.0  | 0.0                 | 0.0       | 31.0      | 0.0       | 0.1       | 0.0      |
| 06               | 81.1      | 63.2      | 72.1 | 2.5                   | 1.6                   | 1.9                   | 514.5               | 455.0 | 366.3 | 223.7 | 102.0 | 63.6  | 0.1                 | 0.5   | 1.8   | 9.3   | 0.0                 | 1.1       | 30.0      | 0.0       | 0.0       | 0.0      |
| 07               | 84.2      | 66.6      | 75.4 | 2.3                   | 1.9                   | 2.0                   | 632.3               | 570.4 | 477.4 | 322.9 | 175.0 | 121.6 | 0.0                 | 0.0   | 0.0   | 0.6   | 0.1                 | 3.0       | 31.0      | 0.0       | 0.0       | 0.0      |
| 08               | 83.3      | 65.6      | 74.4 | 2.7                   | 2.2                   | 2.3                   | 602.8               | 540.9 | 448.0 | 294.6 | 152.5 | 103.8 | 0.0                 | 0.0   | 0.2   | 1.7   | 0.0                 | 3.3       | 31.0      | 0.0       | 0.0       | 0.0      |
| 09               | 78.0      | 59.4      | 68.7 | 3.3                   | 2.7                   | 2.8                   | 415.3               | 358.3 | 276.1 | 153.5 | 62.4  | 37.5  | 4.4                 | 7.4   | 15.2  | 42.6  | 0.0                 | 0.8       | 30.0      | 0.0       | 0.0       | 0.0      |
| 10               | 67.6      | 47.8      | 57.7 | 2.7                   | 2.7                   | 2.5                   | 163.9               | 127.1 | 79.5  | 27.5  | 6.6   | 3.3   | 80.2                | 105.4 | 150.8 | 253.8 | 0.0                 | 0.2       | 29.7      | 0.0       | 1.9       | 0.0      |
| 11               | 55.7      | 38.2      | 46.9 | 4.7                   | 3.7                   | 4.1                   | 33.6                | 22.1  | 10.6  | 1.9   | 0.1   | 0.0   | 275.0               | 323.6 | 402.0 | 543.4 | 0.0                 | 0.0       | 22.1      | 0.7       | 9.9       | 0.0      |
| 12               | 46.6      | 31.4      | 39.0 | 4.7                   | 4.5                   | 4.5                   | 10.3                | 6.1   | 2.1   | 0.2   | 0.0   | 0.0   | 506.2               | 564.0 | 653.1 | 806.1 | 0.0                 | 0.0       | 13.4      | 4.2       | 18.2      | 0.0      |
| Summary          | 65.4      | 47.4      | 56.4 | 3.6                   | 3.4                   | 3.4                   | 2907                | 2509  | 1955  | 1153  | 533   | 345   | 2372                | 2704  | 3245  | 4269  | 0.1                 | 8.4       | 292.6     | 17.2      | 83.2      | 0.8      |

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

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1991-2020  
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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                  | 5.72   | 15.1                | 9.2     | 4.1     | 1.6     | 4.18                                                                                                                   | 5.47  | 7.08  |
| 02                  | 5.75   | 13.5                | 8.7     | 3.7     | 1.8     | 3.34                                                                                                                   | 4.80  | 7.02  |
| 03                  | 6.00   | 14.2                | 9.5     | 4.1     | 1.8     | 3.80                                                                                                                   | 5.99  | 7.18  |
| 04                  | 5.82   | 12.5                | 8.7     | 3.9     | 1.8     | 4.39                                                                                                                   | 5.97  | 7.43  |
| 05                  | 5.42   | 13.0                | 9.1     | 3.7     | 1.4     | 3.93                                                                                                                   | 5.02  | 6.23  |
| 06                  | 5.48   | 12.6                | 8.6     | 4.0     | 1.7     | 3.50                                                                                                                   | 4.48  | 7.93  |
| 07                  | 5.63   | 12.4                | 8.1     | 3.7     | 1.7     | 3.72                                                                                                                   | 5.91  | 7.04  |
| 08                  | 4.51   | 10.8                | 7.1     | 3.1     | 1.4     | 3.08                                                                                                                   | 4.08  | 6.05  |
| 09                  | 4.79   | 9.5                 | 6.3     | 3.2     | 1.6     | 2.74                                                                                                                   | 4.25  | 6.03  |
| 10                  | 3.80   | 10.1                | 6.2     | 2.8     | 0.9     | 2.03                                                                                                                   | 3.24  | 5.15  |
| 11                  | 4.73   | 10.8                | 6.9     | 3.4     | 1.4     | 3.68                                                                                                                   | 4.40  | 5.69  |
| 12                  | 6.69   | 14.1                | 9.3     | 4.6     | 2.0     | 4.49                                                                                                                   | 6.95  | 8.29  |
| Summary             | 64.34  | 148.6               | 97.7    | 44.3    | 19.1    | 42.88                                                                                                                  | 60.56 | 81.12 |

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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 04/28/2024

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         | 4.80             | 3.3                    | 1.7 | 0.7 | 0.2  | 0.0   | 4.5                      | 2.1 | 1.0 | 0.1 | 1.30                                                                                              | 3.50 | 6.30 |
| 02         | 5.00             | 3.0                    | 1.7 | 0.4 | 0.1  | 0.0   | 3.2                      | 1.5 | 0.8 | 0.2 | 0.50                                                                                              | 3.00 | 8.50 |
| 03         | 2.80             | 1.6                    | 1.0 | 0.3 | 0.1  | 0.0   | 1.5                      | 0.1 | 0.1 | 0.0 | 0.10                                                                                              | 1.00 | 3.10 |
| 04         | 0.30             | 0.2                    | 0.1 | 0.0 | 0.0  | 0.0   | 0.0                      | 0.0 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.00 |
| 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         | 0.00             | 0.0                    | 0.0 | 0.0 | 0.0  | 0.0   | 0.0                      | 0.0 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.00 |
| 11         | 0.20             | 0.3                    | 0.1 | 0.0 | 0.0  | 0.0   | 0.1                      | 0.0 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.00 |
| 12         | 2.90             | 1.7                    | 1.2 | 0.2 | 0.0  | 0.0   | 2.3                      | 0.6 | 0.2 | 0.0 | 0.00                                                                                              | 0.50 | 3.70 |
| Summary    | 16.0             | 10.1                   | 5.8 | 1.6 | 0.4  | 0.0   | 11.6                     | 4.3 | 2.1 | 0.3 | 1.9                                                                                               | 8.0  | 21.6 |

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Current Location: Elev: 1860 ft. Lat: 36.1483° N Lon: 85.2650° W  
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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                                      | 92.5 | 111.7 | 268.6 | 500.4 | 776.5 | 964.4 | 1097.3 | 1067.8 | 860.8 | 552.6 | 255.8 | 126.4 |
| 45                                      | 47.2 | 57.7  | 168.4 | 365.1 | 621.9 | 814.4 | 942.3  | 912.8  | 710.9 | 407.2 | 154.9 | 66.0  |
| 50                                      | 19.2 | 25.3  | 94.3  | 245.6 | 470.7 | 664.4 | 787.3  | 757.8  | 561.7 | 274.3 | 80.2  | 28.7  |
| 55                                      | 5.3  | 8.7   | 44.3  | 148.2 | 327.9 | 514.5 | 632.3  | 602.8  | 415.3 | 163.9 | 33.6  | 10.3  |
| 60                                      | 0.7  | 1.6   | 16.7  | 74.7  | 200.9 | 366.3 | 477.4  | 448.0  | 276.1 | 79.5  | 10.6  | 2.1   |
| Growing Degree Units for Corn (Monthly) |      |       |       |       |       |       |        |        |       |       |       |       |
| 50/86                                   | 39.5 | 56.4  | 147.0 | 294.7 | 488.9 | 658.6 | 772.0  | 743.8  | 564.7 | 322.4 | 130.9 | 54.5  |

| Growing Degree Units (Accumulated Monthly)          |    |     |     |     |      |      |      |      |      |      |      |      |
|-----------------------------------------------------|----|-----|-----|-----|------|------|------|------|------|------|------|------|
| 40                                                  | 92 | 204 | 473 | 973 | 1750 | 2714 | 3811 | 4879 | 5740 | 6293 | 6548 | 6675 |
| 45                                                  | 47 | 105 | 273 | 638 | 1260 | 2075 | 3017 | 3930 | 4641 | 5048 | 5203 | 5269 |
| 50                                                  | 19 | 44  | 139 | 384 | 855  | 1520 | 2307 | 3065 | 3626 | 3901 | 3981 | 4010 |
| 55                                                  | 5  | 14  | 58  | 206 | 534  | 1049 | 1681 | 2284 | 2699 | 2863 | 2897 | 2907 |
| 60                                                  | 1  | 2   | 19  | 94  | 295  | 661  | 1138 | 1586 | 1862 | 1942 | 1952 | 1955 |
| Growing Degree Units for Corn (Monthly Accumulated) |    |     |     |     |      |      |      |      |      |      |      |      |
| 50/86                                               | 40 | 96  | 243 | 538 | 1026 | 1685 | 2457 | 3201 | 3766 | 4088 | 4219 | 4273 |

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.