

Summary of Monthly Normals  
1991-2020

Current Location: Elev: 2419 ft. Lat: 36.4739° N Lon: 81.8033° W  
Station: MTN CITY 2, TN US USC00406292  
Generated on 04/17/2024

| 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               | 45.5      | 23.0      | 34.2 | 3.9                   | 4.3                   | 3.9                   | 1.6                 | 0.7   | 0.2   | 0.0   | 0.0  | 0.0  | 644.6               | 705.9 | 798.4 | 953.2 | 0.0                 | 0.0       | 11.8      | 5.1       | 24.9      | 1.4      |
| 02               | 48.8      | 25.4      | 37.1 | 5.0                   | 3.4                   | 3.9                   | 2.1                 | 0.9   | 0.2   | 0.0   | 0.0  | 0.0  | 503.2               | 558.1 | 641.4 | 781.2 | 0.0                 | 0.0       | 13.8      | 3.3       | 22.1      | 0.3      |
| 03               | 56.7      | 31.3      | 44.0 | 4.7                   | 2.7                   | 3.5                   | 16.3                | 9.3   | 3.2   | 0.1   | 0.0  | 0.0  | 357.3               | 412.3 | 499.1 | 651.0 | 0.0                 | 0.0       | 22.1      | 1.2       | 18.5      | 0.0      |
| 04               | 66.8      | 39.2      | 53.0 | 3.4                   | 2.3                   | 2.6                   | 80.2                | 55.1  | 27.8  | 5.3   | 0.3  | 0.1  | 140.2               | 175.1 | 237.8 | 365.3 | 0.0                 | 0.0       | 27.7      | 0.0       | 8.4       | 0.0      |
| 05               | 73.9      | 48.6      | 61.3 | 3.3                   | 3.0                   | 2.9                   | 227.5               | 180.6 | 117.2 | 40.4  | 5.7  | 1.5  | 33.8                | 48.9  | 78.5  | 156.7 | 0.0                 | 0.0       | 30.8      | 0.0       | 1.3       | 0.0      |
| 06               | 79.9      | 56.4      | 68.1 | 2.2                   | 1.9                   | 1.8                   | 396.8               | 338.6 | 253.5 | 126.0 | 36.6 | 16.5 | 2.3                 | 4.2   | 9.0   | 31.5  | 0.0                 | 0.4       | 30.0      | 0.0       | 0.0       | 0.0      |
| 07               | 82.0      | 60.4      | 71.2 | 2.5                   | 2.0                   | 2.0                   | 502.2               | 440.3 | 347.7 | 199.5 | 75.8 | 40.7 | 0.0                 | 0.1   | 0.5   | 7.3   | 0.0                 | 1.4       | 31.0      | 0.0       | 0.0       | 0.0      |
| 08               | 81.4      | 59.2      | 70.3 | 2.3                   | 2.1                   | 1.9                   | 474.4               | 412.7 | 320.8 | 174.6 | 58.6 | 29.5 | 0.2                 | 0.5   | 1.6   | 10.3  | 0.0                 | 0.9       | 31.0      | 0.0       | 0.0       | 0.0      |
| 09               | 76.9      | 52.5      | 64.7 | 3.3                   | 2.6                   | 2.5                   | 301.0               | 247.9 | 173.9 | 74.3  | 17.7 | 6.7  | 10.1                | 16.9  | 32.9  | 83.3  | 0.0                 | 0.2       | 30.0      | 0.0       | 0.3       | 0.0      |
| 10               | 68.2      | 40.9      | 54.5 | 2.7                   | 3.7                   | 2.6                   | 99.1                | 70.8  | 38.3  | 10.6  | 1.9  | 0.8  | 113.0               | 146.8 | 207.2 | 334.5 | 0.0                 | 0.1       | 29.8      | 0.0       | 7.5       | 0.0      |
| 11               | 58.0      | 31.2      | 44.6 | 5.0                   | 3.0                   | 3.6                   | 20.4                | 12.8  | 5.2   | 0.9   | 0.0  | 0.0  | 332.3               | 384.7 | 467.1 | 612.9 | 0.0                 | 0.0       | 22.6      | 0.9       | 19.6      | 0.0      |
| 12               | 48.9      | 26.3      | 37.6 | 4.9                   | 3.9                   | 4.2                   | 3.6                 | 1.8   | 0.5   | 0.0   | 0.0  | 0.0  | 542.9               | 603.2 | 694.8 | 849.4 | 0.0                 | 0.0       | 15.0      | 2.8       | 23.7      | 0.2      |
| Summary          | 65.6      | 41.2      | 53.4 | 3.6                   | 2.9                   | 3.0                   | 2125                | 1772  | 1288  | 632   | 197  | 96   | 2680                | 3057  | 3668  | 4837  | 0.0                 | 3.0       | 295.6     | 13.3      | 126.3     | 1.9      |

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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                  | 3.74   | 9.0                 | 7.0     | 2.6     | 1.0     | 2.22                                                                                                                   | 3.32  | 4.84  |
| 02                  | 3.36   | 9.4                 | 7.2     | 2.7     | 0.8     | 2.36                                                                                                                   | 3.02  | 3.99  |
| 03                  | 4.09   | 10.0                | 8.0     | 3.0     | 1.0     | 3.21                                                                                                                   | 3.72  | 4.67  |
| 04                  | 4.33   | 9.5                 | 7.3     | 3.0     | 1.1     | 3.26                                                                                                                   | 4.16  | 5.22  |
| 05                  | 5.15   | 11.8                | 8.6     | 3.9     | 1.2     | 3.57                                                                                                                   | 4.53  | 7.12  |
| 06                  | 4.48   | 11.7                | 8.8     | 3.1     | 1.0     | 3.29                                                                                                                   | 4.29  | 5.17  |
| 07                  | 5.03   | 11.5                | 8.9     | 3.6     | 1.2     | 3.65                                                                                                                   | 4.60  | 6.36  |
| 08                  | 4.16   | 10.0                | 7.8     | 3.0     | 1.1     | 2.98                                                                                                                   | 3.81  | 5.31  |
| 09                  | 3.26   | 8.2                 | 5.7     | 1.9     | 0.9     | 1.87                                                                                                                   | 3.21  | 4.20  |
| 10                  | 2.81   | 6.8                 | 4.9     | 1.9     | 0.7     | 1.62                                                                                                                   | 2.39  | 4.07  |
| 11                  | 2.89   | 7.3                 | 5.2     | 2.1     | 0.8     | 1.95                                                                                                                   | 3.22  | 3.67  |
| 12                  | 3.89   | 9.0                 | 7.3     | 2.6     | 0.7     | 2.37                                                                                                                   | 3.50  | 5.11  |
| Summary             | 47.19  | 114.2               | 86.7    | 33.4    | 11.5    | 32.35                                                                                                                  | 43.77 | 59.73 |

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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 04/17/2024

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         | 3.40             | 1.5                    | 1.0 | 0.4 | 0.0  | 0.0   |                          |     |     |     | 0.60                                                                                              | 3.60 | 5.70 |
| 02         | 5.00             | 1.7                    | 1.3 | 0.4 | 0.3  | 0.0   |                          |     |     |     | 0.30                                                                                              | 2.20 | 4.90 |
| 03         | 1.10             | 0.7                    | 0.6 | 0.2 | 0.1  | 0.1   |                          |     |     |     | 0.00                                                                                              | 0.00 | 0.90 |
| 04         | 0.10             | 0.1                    | 0.1 | 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   |                          |     |     |     | 0.00                                                                                              | 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         | 0.00             | 0.0                    | 0.0 | 0.0 | 0.0  | 0.0   |                          |     |     |     | 0.00                                                                                              | 0.00 | 0.00 |
| 11         | 0.40             | 0.3                    | 0.2 | 0.0 | 0.0  | 0.0   |                          |     |     |     | 0.00                                                                                              | 0.00 | 0.00 |
| 12         | 2.00             | 0.8                    | 0.6 | 0.2 | 0.2  | 0.0   |                          |     |     |     | 0.00                                                                                              | 0.00 | 3.60 |
| Summary    | 12.0             | 5.1                    | 3.8 | 1.2 | 0.6  | 0.1   | 0.0                      | 0.0 | 0.0 | 0.0 | 0.9                                                                                               | 5.8  | 15.1 |

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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                                      | 61.4 | 73.3 | 197.1 | 401.6 | 658.8 | 844.4 | 967.1 | 939.2 | 740.9 | 457.1 | 199.4 | 90.0 |
| 45                                      | 24.1 | 30.4 | 106.8 | 272.9 | 505.6 | 694.4 | 812.1 | 784.2 | 591.1 | 315.7 | 110.0 | 40.4 |
| 50                                      | 7.4  | 9.8  | 47.4  | 163.1 | 359.1 | 544.7 | 657.1 | 629.2 | 443.0 | 192.5 | 51.4  | 14.4 |
| 55                                      | 1.6  | 2.1  | 16.3  | 80.2  | 227.5 | 396.8 | 502.2 | 474.4 | 301.0 | 99.1  | 20.4  | 3.6  |
| 60                                      | 0.2  | 0.2  | 3.2   | 27.8  | 117.2 | 253.5 | 347.7 | 320.8 | 173.9 | 38.3  | 5.2   | 0.5  |
| Growing Degree Units for Corn (Monthly) |      |      |       |       |       |       |       |       |       |       |       |      |
| 50/86                                   | 44.7 | 62.0 | 141.9 | 264.1 | 408.6 | 549.9 | 650.5 | 624.9 | 470.4 | 299.1 | 150.4 | 63.6 |

| Growing Degree Units (Accumulated Monthly)          |    |     |     |     |      |      |      |      |      |      |      |      |
|-----------------------------------------------------|----|-----|-----|-----|------|------|------|------|------|------|------|------|
| 40                                                  | 61 | 135 | 332 | 733 | 1392 | 2237 | 3204 | 4143 | 4884 | 5341 | 5540 | 5630 |
| 45                                                  | 24 | 54  | 161 | 434 | 940  | 1634 | 2446 | 3230 | 3822 | 4137 | 4247 | 4288 |
| 50                                                  | 7  | 17  | 65  | 228 | 587  | 1132 | 1789 | 2418 | 2861 | 3053 | 3105 | 3119 |
| 55                                                  | 2  | 4   | 20  | 100 | 328  | 724  | 1227 | 1701 | 2002 | 2101 | 2122 | 2125 |
| 60                                                  | 0  | 0   | 4   | 31  | 149  | 402  | 750  | 1071 | 1244 | 1283 | 1288 | 1288 |
| Growing Degree Units for Corn (Monthly Accumulated) |    |     |     |     |      |      |      |      |      |      |      |      |
| 50/86                                               | 45 | 107 | 249 | 513 | 921  | 1471 | 2122 | 2747 | 3217 | 3516 | 3666 | 3730 |

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.