

Summary of Monthly Normals  
1991-2020

Generated on 05/01/2024

Current Location: Elev: 2110 ft. Lat: 35.0097° N Lon: 85.3444° W

Station: LOOKOUT MTN-POINT PARK, TN US USC00405431

| 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               | 45.6      | 28.7      | 37.2 | 3.6                   | 4.0                   | 3.7                   | 5.0                 | 2.5   | 0.6   | 0.0   | 0.0   | 0.0   | 558.3               | 617.7 | 708.8 | 863.2 | 0.0                 | 0.0       | 11.7      | 4.5       | 19.7      | 0.1      |
| 02               | 49.4      | 31.4      | 40.4 | 4.0                   | 4.3                   | 4.0                   | 6.8                 | 3.9   | 1.5   | 0.1   | 0.0   | 0.0   | 415.5               | 468.6 | 550.2 | 688.8 | 0.0                 | 0.0       | 14.0      | 1.9       | 15.5      | 0.0      |
| 03               | 58.3      | 38.6      | 48.4 | 4.5                   | 4.7                   | 4.5                   | 45.2                | 31.0  | 16.3  | 3.4   | 0.1   | 0.0   | 248.3               | 296.0 | 374.3 | 516.5 | 0.0                 | 0.0       | 23.8      | 0.7       | 8.7       | 0.0      |
| 04               | 67.7      | 47.4      | 57.6 | 2.9                   | 3.1                   | 2.9                   | 151.4               | 116.5 | 73.4  | 24.7  | 3.4   | 1.0   | 74.9                | 100.0 | 146.9 | 248.2 | 0.0                 | 0.0       | 28.7      | 0.0       | 1.3       | 0.0      |
| 05               | 74.2      | 56.8      | 65.5 | 2.4                   | 3.4                   | 2.8                   | 333.7               | 278.4 | 201.6 | 96.9  | 28.2  | 13.4  | 8.3                 | 14.9  | 31.1  | 81.4  | 0.0                 | 0.0       | 31.0      | 0.0       | 0.0       | 0.0      |
| 06               | 80.5      | 64.7      | 72.6 | 2.7                   | 1.4                   | 1.9                   | 528.1               | 468.4 | 379.8 | 236.1 | 108.2 | 67.7  | 0.1                 | 0.5   | 1.9   | 8.2   | 0.0                 | 1.3       | 30.0      | 0.0       | 0.0       | 0.0      |
| 07               | 83.8      | 67.4      | 75.6 | 2.1                   | 1.9                   | 1.9                   | 638.5               | 576.5 | 483.5 | 328.8 | 178.5 | 124.0 | 0.0                 | 0.0   | 0.0   | 0.2   | 0.0                 | 2.1       | 31.0      | 0.0       | 0.0       | 0.0      |
| 08               | 82.4      | 66.6      | 74.5 | 3.2                   | 2.2                   | 2.5                   | 604.4               | 542.5 | 449.5 | 296.2 | 150.8 | 100.8 | 0.0                 | 0.0   | 0.1   | 1.7   | 0.0                 | 3.2       | 31.0      | 0.0       | 0.0       | 0.0      |
| 09               | 77.6      | 61.3      | 69.5 | 3.6                   | 2.5                   | 2.9                   | 434.6               | 375.8 | 290.9 | 162.7 | 64.8  | 38.4  | 1.2                 | 2.4   | 7.4   | 29.3  | 0.0                 | 0.5       | 30.0      | 0.0       | 0.0       | 0.0      |
| 10               | 67.4      | 50.6      | 59.0 | 3.1                   | 2.6                   | 2.8                   | 180.6               | 139.6 | 87.9  | 30.8  | 6.9   | 3.5   | 56.6                | 77.5  | 118.9 | 216.8 | 0.0                 | 0.2       | 30.0      | 0.0       | 0.6       | 0.0      |
| 11               | 56.8      | 39.8      | 48.3 | 4.2                   | 4.1                   | 4.0                   | 33.9                | 21.1  | 9.4   | 1.7   | 0.0   | 0.0   | 234.8               | 282.1 | 360.3 | 502.6 | 0.0                 | 0.0       | 23.5      | 0.3       | 6.3       | 0.0      |
| 12               | 48.5      | 32.4      | 40.5 | 3.8                   | 4.6                   | 4.1                   | 10.2                | 6.0   | 2.4   | 0.3   | 0.0   | 0.0   | 461.2               | 519.0 | 608.4 | 761.3 | 0.0                 | 0.0       | 13.9      | 2.1       | 16.4      | 0.0      |
| Summary          | 66.0      | 48.8      | 57.4 | 3.3                   | 3.2                   | 3.2                   | 2972                | 2562  | 1997  | 1182  | 541   | 349   | 2059                | 2379  | 2908  | 3918  | 0.0                 | 7.3       | 298.6     | 9.5       | 68.5      | 0.1      |

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                  | 5.53   | 11.8                | 8.0     | 3.8     | 1.9     | 3.56                                                                                                                   | 4.96  | 7.07  |
| 02                  | 5.99   | 11.2                | 8.0     | 3.6     | 1.9     | 3.90                                                                                                                   | 5.22  | 7.61  |
| 03                  | 5.59   | 11.1                | 8.2     | 3.8     | 1.7     | 4.07                                                                                                                   | 5.01  | 6.72  |
| 04                  | 5.52   | 10.6                | 7.7     | 3.9     | 1.5     | 3.04                                                                                                                   | 4.89  | 7.54  |
| 05                  | 4.31   | 11.0                | 7.2     | 2.7     | 1.2     | 2.83                                                                                                                   | 3.85  | 5.45  |
| 06                  | 4.21   | 10.9                | 7.7     | 3.0     | 1.0     | 2.75                                                                                                                   | 4.04  | 5.63  |
| 07                  | 4.78   | 11.2                | 7.3     | 3.1     | 1.4     | 3.01                                                                                                                   | 4.25  | 6.06  |
| 08                  | 3.98   | 10.0                | 6.5     | 2.6     | 0.9     | 2.72                                                                                                                   | 3.92  | 5.13  |
| 09                  | 4.92   | 8.2                 | 5.9     | 3.1     | 1.5     | 2.63                                                                                                                   | 3.69  | 6.41  |
| 10                  | 3.78   | 8.1                 | 5.5     | 2.6     | 1.5     | 1.30                                                                                                                   | 3.13  | 5.93  |
| 11                  | 4.62   | 9.2                 | 6.4     | 2.8     | 1.8     | 3.52                                                                                                                   | 4.35  | 5.82  |
| 12                  | 5.37   | 10.9                | 7.7     | 3.8     | 1.9     | 3.10                                                                                                                   | 5.16  | 7.22  |
| Summary             | 58.60  | 124.2               | 86.1    | 38.8    | 18.2    | 36.43                                                                                                                  | 52.47 | 76.59 |

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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                                      | 98.1 | 118.6 | 299.0 | 529.0 | 790.5 | 977.8 | 1103.4 | 1069.4 | 883.3 | 590.5 | 279.0 | 129.7 |
| 45                                      | 47.9 | 58.8  | 187.6 | 388.5 | 635.5 | 827.9 | 948.5  | 914.4  | 733.3 | 441.1 | 168.8 | 67.5  |
| 50                                      | 18.4 | 22.6  | 100.9 | 259.3 | 481.7 | 677.9 | 793.5  | 759.4  | 583.5 | 301.5 | 84.5  | 29.9  |
| 55                                      | 5.0  | 6.8   | 45.2  | 151.4 | 333.7 | 528.1 | 638.5  | 604.4  | 434.6 | 180.6 | 33.9  | 10.2  |
| 60                                      | 0.6  | 1.5   | 16.3  | 73.4  | 201.6 | 379.8 | 483.5  | 449.5  | 290.9 | 87.9  | 9.4   | 2.4   |
| Growing Degree Units for Corn (Monthly) |      |       |       |       |       |       |        |        |       |       |       |       |
| 50/86                                   | 43.2 | 59.2  | 162.8 | 308.0 | 494.7 | 672.1 | 779.4  | 746.1  | 583.0 | 331.8 | 134.2 | 56.3  |

| Growing Degree Units (Accumulated Monthly)          |    |     |     |      |      |      |      |      |      |      |      |      |
|-----------------------------------------------------|----|-----|-----|------|------|------|------|------|------|------|------|------|
| 40                                                  | 98 | 217 | 516 | 1045 | 1835 | 2813 | 3916 | 4986 | 5869 | 6460 | 6739 | 6868 |
| 45                                                  | 48 | 107 | 294 | 683  | 1318 | 2146 | 3095 | 4009 | 4742 | 5184 | 5352 | 5420 |
| 50                                                  | 18 | 41  | 142 | 401  | 883  | 1561 | 2354 | 3114 | 3697 | 3999 | 4083 | 4113 |
| 55                                                  | 5  | 12  | 57  | 208  | 542  | 1070 | 1709 | 2313 | 2748 | 2928 | 2962 | 2972 |
| 60                                                  | 1  | 2   | 18  | 92   | 293  | 673  | 1157 | 1606 | 1897 | 1985 | 1994 | 1997 |
| Growing Degree Units for Corn (Monthly Accumulated) |    |     |     |      |      |      |      |      |      |      |      |      |
| 50/86                                               | 43 | 102 | 265 | 573  | 1068 | 1740 | 2519 | 3266 | 3848 | 4180 | 4314 | 4371 |

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.