

Summary of Monthly Normals  
1991-2020  
Generated on 05/22/2024

Current Location: Elev: 630 ft. Lat: 37.8175° N Lon: 82.7883° W  
Station: **PAINTSVILLE 1E, KY US USC00156136**

| 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               | 44.1      | 22.9      | 33.5 | 4.5                   | 4.8                   | 4.4                   | 1.3                 | 0.5   | 0.2   | 0.0   | 0.0   | 0.0   | 667.6               | 728.9 | 821.4 | 976.2 | 0.0                 | 0.0       | 10.6      | 5.8       | 24.4      | 0.8      |
| 02               | 48.7      | 25.6      | 37.2 | 4.8                   | 4.2                   | 4.3                   | 5.5                 | 3.4   | 1.6   | 0.3   | 0.0   | 0.0   | 505.3               | 559.2 | 641.3 | 780.1 | 0.0                 | 0.0       | 13.3      | 3.1       | 20.9      | 0.3      |
| 03               | 58.1      | 31.7      | 44.9 | 4.8                   | 3.4                   | 4.0                   | 29.9                | 19.9  | 9.8   | 1.8   | 0.1   | 0.0   | 343.0               | 395.0 | 477.8 | 624.8 | 0.0                 | 0.0       | 22.4      | 0.6       | 17.4      | 0.0      |
| 04               | 69.6      | 40.7      | 55.1 | 3.2                   | 2.5                   | 2.6                   | 117.0               | 87.6  | 52.0  | 17.1  | 2.9   | 1.3   | 112.5               | 143.1 | 197.6 | 312.7 | 0.0                 | 0.2       | 28.3      | 0.0       | 5.6       | 0.0      |
| 05               | 76.2      | 51.4      | 63.8 | 3.6                   | 3.6                   | 3.4                   | 291.1               | 239.6 | 170.6 | 81.1  | 22.6  | 10.2  | 18.3                | 28.8  | 52.8  | 118.3 | 0.0                 | 0.8       | 30.9      | 0.0       | 0.2       | 0.0      |
| 06               | 83.4      | 60.1      | 71.7 | 2.3                   | 1.8                   | 1.8                   | 502.5               | 442.8 | 354.1 | 214.2 | 97.6  | 62.4  | 0.1                 | 0.3   | 1.6   | 11.9  | 0.0                 | 4.4       | 30.0      | 0.0       | 0.0       | 0.0      |
| 07               | 86.2      | 64.6      | 75.4 | 2.4                   | 2.0                   | 1.9                   | 632.3               | 570.3 | 477.3 | 323.3 | 176.9 | 124.4 | 0.0                 | 0.0   | 0.0   | 0.9   | 0.1                 | 7.9       | 31.0      | 0.0       | 0.0       | 0.0      |
| 08               | 85.7      | 63.4      | 74.5 | 3.0                   | 2.2                   | 2.3                   | 606.0               | 544.0 | 451.0 | 297.6 | 156.4 | 108.6 | 0.0                 | 0.0   | 0.1   | 1.7   | 0.0                 | 7.6       | 31.0      | 0.0       | 0.0       | 0.0      |
| 09               | 79.8      | 55.9      | 67.9 | 3.6                   | 2.8                   | 2.7                   | 390.8               | 334.5 | 253.8 | 136.9 | 53.9  | 31.9  | 5.3                 | 9.0   | 18.4  | 51.5  | 0.0                 | 3.3       | 30.0      | 0.0       | 0.0       | 0.0      |
| 10               | 69.8      | 43.1      | 56.5 | 2.7                   | 3.0                   | 2.1                   | 134.6               | 102.9 | 63.6  | 21.7  | 5.0   | 2.6   | 89.6                | 119.9 | 173.7 | 286.8 | 0.0                 | 0.2       | 30.1      | 0.0       | 3.0       | 0.0      |
| 11               | 58.4      | 32.0      | 45.2 | 4.9                   | 2.7                   | 3.4                   | 19.7                | 12.0  | 5.3   | 0.7   | 0.0   | 0.0   | 313.6               | 365.9 | 449.2 | 594.6 | 0.0                 | 0.0       | 22.2      | 0.2       | 15.7      | 0.0      |
| 12               | 48.0      | 27.5      | 37.7 | 5.4                   | 3.2                   | 4.2                   | 3.7                 | 1.9   | 0.5   | 0.0   | 0.0   | 0.0   | 538.4               | 598.6 | 690.2 | 844.7 | 0.0                 | 0.0       | 13.7      | 2.9       | 22.6      | 0.0      |
| Summary          | 67.3      | 43.2      | 55.3 | 3.8                   | 3.0                   | 3.1                   | 2734                | 2359  | 1840  | 1095  | 515   | 341   | 2594                | 2949  | 3524  | 4604  | 0.1                 | 24.4      | 293.5     | 12.6      | 109.8     | 1.1      |

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

Current Location: Elev: 630 ft. Lat: 37.8175° N Lon: 82.7883° W  
Station: **PAINTSVILLE 1E, KY US USC00156136**

Summary of Monthly Normals  
1991-2020  
Generated on 05/22/2024

| 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                  | 3.35   | 10.0                | 6.7     | 2.2     | 0.8     | 2.13                                                                                                                   | 2.90  | 4.44  |
| 02                  | 3.21   | 9.8                 | 6.7     | 2.1     | 0.8     | 1.84                                                                                                                   | 2.65  | 4.00  |
| 03                  | 4.41   | 11.4                | 8.6     | 3.2     | 1.1     | 2.95                                                                                                                   | 3.80  | 5.88  |
| 04                  | 3.82   | 10.3                | 8.0     | 2.8     | 0.9     | 2.60                                                                                                                   | 3.48  | 5.00  |
| 05                  | 4.43   | 11.9                | 8.9     | 3.3     | 0.9     | 3.01                                                                                                                   | 4.59  | 5.54  |
| 06                  | 4.79   | 11.2                | 8.8     | 3.4     | 1.4     | 3.35                                                                                                                   | 5.05  | 6.01  |
| 07                  | 5.18   | 10.2                | 8.3     | 3.6     | 1.5     | 3.89                                                                                                                   | 5.19  | 6.10  |
| 08                  | 3.63   | 8.7                 | 6.2     | 2.4     | 1.1     | 2.81                                                                                                                   | 3.50  | 4.57  |
| 09                  | 3.35   | 7.6                 | 5.8     | 2.1     | 1.1     | 1.99                                                                                                                   | 2.79  | 4.85  |
| 10                  | 3.19   | 8.2                 | 6.1     | 2.2     | 0.9     | 1.88                                                                                                                   | 2.88  | 4.07  |
| 11                  | 3.00   | 7.9                 | 6.1     | 2.1     | 0.6     | 2.12                                                                                                                   | 2.71  | 3.76  |
| 12                  | 3.83   | 10.7                | 7.7     | 2.7     | 0.8     | 2.35                                                                                                                   | 3.42  | 5.06  |
| Summary             | 46.19  | 117.9               | 87.9    | 32.1    | 11.9    | 30.92                                                                                                                  | 42.96 | 59.28 |

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

Current Location: Elev: 630 ft. Lat: 37.8175° N Lon: 82.7883° W  
Station: **PAINTSVILLE 1E, KY US USC00156136**

Summary of Monthly Normals  
1991-2020  
Generated on 05/22/2024

| 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                                      | 56.3 | 80.1 | 216.7 | 462.0 | 737.8 | 952.4 | 1097.3 | 1070.9 | 835.4 | 512.4 | 205.3 | 85.4 |
| 45                                      | 23.5 | 37.5 | 127.7 | 327.5 | 583.4 | 802.4 | 942.3  | 915.9  | 685.6 | 366.5 | 113.9 | 37.6 |
| 50                                      | 7.3  | 15.2 | 66.3  | 209.6 | 431.8 | 652.5 | 787.3  | 761.0  | 536.6 | 236.5 | 54.1  | 14.0 |
| 55                                      | 1.3  | 5.5  | 29.9  | 117.0 | 291.1 | 502.5 | 632.3  | 606.0  | 390.8 | 134.6 | 19.7  | 3.7  |
| 60                                      | 0.2  | 1.6  | 9.8   | 52.0  | 170.6 | 354.1 | 477.3  | 451.0  | 253.8 | 63.6  | 5.3   | 0.5  |
| Growing Degree Units for Corn (Monthly) |      |      |       |       |       |       |        |        |       |       |       |      |
| 50/86                                   | 43.9 | 63.7 | 158.2 | 304.7 | 463.6 | 634.9 | 753.7  | 727.0  | 536.4 | 320.6 | 147.0 | 57.8 |

| Growing Degree Units (Accumulated Monthly)          |    |     |     |     |      |      |      |      |      |      |      |      |
|-----------------------------------------------------|----|-----|-----|-----|------|------|------|------|------|------|------|------|
| 40                                                  | 56 | 136 | 353 | 815 | 1553 | 2505 | 3603 | 4674 | 5509 | 6021 | 6227 | 6312 |
| 45                                                  | 24 | 61  | 189 | 516 | 1100 | 1902 | 2844 | 3760 | 4446 | 4812 | 4926 | 4964 |
| 50                                                  | 7  | 22  | 89  | 298 | 730  | 1383 | 2170 | 2931 | 3468 | 3704 | 3758 | 3772 |
| 55                                                  | 1  | 7   | 37  | 154 | 445  | 947  | 1580 | 2186 | 2576 | 2711 | 2731 | 2734 |
| 60                                                  | 0  | 2   | 12  | 64  | 234  | 588  | 1066 | 1517 | 1770 | 1834 | 1839 | 1840 |
| Growing Degree Units for Corn (Monthly Accumulated) |    |     |     |     |      |      |      |      |      |      |      |      |
| 50/86                                               | 44 | 108 | 266 | 570 | 1034 | 1669 | 2423 | 3150 | 3686 | 4007 | 4154 | 4212 |

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.