

Summary of Monthly Normals  
1991-2020

Generated on 05/20/2024

Current Location: Elev: 184 ft. Lat: 40.2769° N Lon: 74.8158° W  
Station: TRENTON MERCER CO AP, NJ US USW00014792

| 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               | 39.7      | 24.3      | 32.0 | 4.5                   | 4.3                   | 4.3                   | 0.4                 | 0.2   | 0.1   | 0.0   | 0.0   | 0.0   | 713.3               | 775.1 | 868.0 | 1022.8 | 0.0                 | 0.0       | 6.0       | 8.3       | 24.6      | 0.1      |
| 02               | 42.8      | 25.9      | 34.3 | 5.0                   | 4.4                   | 4.6                   | 1.7                 | 1.0   | 0.4   | 0.0   | 0.0   | 0.0   | 579.8               | 635.1 | 718.5 | 858.2  | 0.0                 | 0.0       | 7.0       | 4.1       | 22.1      | 0.1      |
| 03               | 50.8      | 32.7      | 41.7 | 4.5                   | 3.7                   | 4.0                   | 12.7                | 8.3   | 4.0   | 0.9   | 0.1   | 0.0   | 423.4               | 481.0 | 569.7 | 721.5  | 0.0                 | 0.0       | 15.5      | 1.0       | 15.4      | 0.0      |
| 04               | 62.9      | 42.1      | 52.5 | 2.7                   | 2.3                   | 2.4                   | 71.8                | 52.8  | 31.7  | 12.3  | 3.8   | 1.9   | 146.8               | 187.8 | 256.8 | 387.3  | 0.0                 | 0.2       | 27.2      | 0.0       | 2.6       | 0.0      |
| 05               | 72.4      | 51.6      | 62.0 | 3.2                   | 3.0                   | 2.9                   | 236.3               | 188.0 | 126.4 | 54.7  | 17.6  | 9.5   | 19.3                | 33.0  | 64.5  | 147.7  | 0.0                 | 1.0       | 30.9      | 0.0       | 0.1       | 0.0      |
| 06               | 81.0      | 60.9      | 71.0 | 2.2                   | 2.1                   | 2.0                   | 478.8               | 419.6 | 332.4 | 198.9 | 93.1  | 61.4  | 0.4                 | 1.2   | 3.9   | 20.4   | 0.0                 | 4.0       | 30.0      | 0.0       | 0.0       | 0.0      |
| 07               | 86.0      | 66.6      | 76.3 | 2.9                   | 2.4                   | 2.5                   | 660.2               | 598.2 | 505.3 | 350.5 | 201.7 | 149.5 | 0.0                 | 0.0   | 0.0   | 0.3    | 0.4                 | 9.2       | 31.0      | 0.0       | 0.0       | 0.0      |
| 08               | 84.0      | 64.8      | 74.4 | 2.5                   | 2.4                   | 2.3                   | 601.3               | 539.3 | 446.4 | 293.5 | 153.5 | 106.6 | 0.0                 | 0.0   | 0.0   | 2.2    | 0.0                 | 5.6       | 31.0      | 0.0       | 0.0       | 0.0      |
| 09               | 77.1      | 57.7      | 67.4 | 2.7                   | 2.5                   | 2.3                   | 375.2               | 318.0 | 237.0 | 123.2 | 47.9  | 28.8  | 3.3                 | 6.1   | 15.1  | 51.3   | 0.0                 | 1.7       | 30.0      | 0.0       | 0.0       | 0.0      |
| 10               | 65.5      | 45.9      | 55.7 | 2.5                   | 3.1                   | 2.5                   | 111.8               | 81.7  | 47.5  | 15.8  | 3.9   | 1.6   | 90.1                | 122.0 | 180.8 | 304.0  | 0.0                 | 0.1       | 30.3      | 0.0       | 1.2       | 0.0      |
| 11               | 54.5      | 36.3      | 45.4 | 3.7                   | 3.1                   | 3.2                   | 15.4                | 8.4   | 2.4   | 0.2   | 0.0   | 0.0   | 303.4               | 356.4 | 440.4 | 588.2  | 0.0                 | 0.0       | 21.7      | 0.2       | 9.6       | 0.0      |
| 12               | 44.4      | 29.3      | 36.8 | 4.3                   | 3.9                   | 4.0                   | 3.7                 | 2.1   | 0.6   | 0.0   | 0.0   | 0.0   | 566.3               | 626.7 | 718.2 | 872.6  | 0.0                 | 0.0       | 9.4       | 3.4       | 21.5      | 0.0      |
| Summary          | 63.4      | 44.8      | 54.1 | 3.4                   | 3.1                   | 3.1                   | 2569                | 2218  | 1734  | 1050  | 522   | 359   | 2846                | 3224  | 3836  | 4977   | 0.4                 | 21.8      | 270.0     | 17.0      | 97.1      | 0.2      |

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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                  | 3.29   | 10.2                | 6.0     | 2.1     | 0.7     | 2.59                                                                                                                   | 3.25  | 3.70  |  |
| 02                  | 2.65   | 10.2                | 5.5     | 1.8     | 0.8     | 1.70                                                                                                                   | 2.42  | 3.72  |  |
| 03                  | 4.00   | 11.0                | 6.8     | 2.7     | 1.0     | 3.09                                                                                                                   | 4.30  | 4.65  |  |
| 04                  | 3.63   | 11.5                | 6.3     | 2.3     | 0.8     | 2.51                                                                                                                   | 2.99  | 4.88  |  |
| 05                  | 3.99   | 12.0                | 6.8     | 3.0     | 0.8     | 3.19                                                                                                                   | 4.01  | 4.82  |  |
| 06                  | 4.35   | 12.0                | 7.6     | 3.2     | 1.1     | 2.57                                                                                                                   | 4.29  | 5.99  |  |
| 07                  | 4.42   | 10.8                | 6.9     | 2.9     | 1.3     | 3.03                                                                                                                   | 4.62  | 5.64  |  |
| 08                  | 4.22   | 10.0                | 6.3     | 2.6     | 1.1     | 2.70                                                                                                                   | 3.80  | 4.82  |  |
| 09                  | 4.05   | 8.6                 | 6.0     | 2.5     | 1.2     | 2.19                                                                                                                   | 3.83  | 5.66  |  |
| 10                  | 3.79   | 10.0                | 6.1     | 2.7     | 1.0     | 1.94                                                                                                                   | 3.61  | 5.15  |  |
| 11                  | 3.20   | 8.5                 | 5.7     | 2.3     | 0.8     | 1.70                                                                                                                   | 3.07  | 4.19  |  |
| 12                  | 4.04   | 11.0                | 7.3     | 3.1     | 0.9     | 2.91                                                                                                                   | 4.10  | 4.86  |  |
| Summary             | 45.63  | 125.8               | 77.3    | 31.2    | 11.5    | 30.12                                                                                                                  | 44.29 | 58.08 |  |

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| 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         | 8.20             | 4.9                    | 2.1 | 0.8 | 0.3  | 0.1   |                          |     |     |     | 2.70                                                                                              | 5.60 | 10.80 |
| 02         | 8.70             | 4.4                    | 2.2 | 1.0 | 0.5  | 0.1   |                          |     |     |     | 3.10                                                                                              | 4.50 | 13.10 |
| 03         | 4.00             | 2.5                    | 1.1 | 0.5 | 0.2  | 0.0   |                          |     |     |     | 0.10                                                                                              | 2.90 | 5.70  |
| 04         | 0.50             | 0.2                    | 0.1 | 0.1 | 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         | 0.10             | 0.0                    | 0.0 | 0.0 | 0.0  | 0.0   |                          |     |     |     | 0.00                                                                                              | 0.00 | 0.00  |
| 11         | 0.50             | 0.3                    | 0.1 | 0.1 | 0.0  | 0.0   |                          |     |     |     | 0.00                                                                                              | 0.00 | 0.00  |
| 12         | 4.60             | 2.3                    | 1.1 | 0.5 | 0.3  | 0.0   |                          |     |     |     | 0.20                                                                                              | 1.80 | 10.10 |
| Summary    | 26.6             | 14.6                   | 6.7 | 3.0 | 1.3  | 0.2   | 0.0                      | 0.0 | 0.0 | 0.0 | 6.1                                                                                               | 14.8 | 39.7  |

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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                                      | 34.3 | 41.8 | 140.3 | 380.5 | 682.0 | 928.4 | 1125.1 | 1066.3 | 821.9 | 487.4 | 199.6 | 71.0 |
| 45                                      | 12.6 | 17.1 | 72.0  | 249.6 | 527.2 | 778.4 | 970.1  | 911.3  | 671.9 | 339.5 | 105.5 | 31.7 |
| 50                                      | 3.3  | 6.1  | 32.5  | 143.8 | 374.7 | 628.4 | 815.1  | 756.3  | 522.3 | 210.4 | 46.3  | 11.8 |
| 55                                      | 0.4  | 1.7  | 12.7  | 71.8  | 236.3 | 478.8 | 660.2  | 601.3  | 375.2 | 111.8 | 15.4  | 3.7  |
| 60                                      | 0.1  | 0.4  | 4.0   | 31.7  | 126.4 | 332.4 | 505.3  | 446.4  | 237.0 | 47.5  | 2.4   | 0.6  |
| Growing Degree Units for Corn (Monthly) |      |      |       |       |       |       |        |        |       |       |       |      |
| 50/86                                   | 17.2 | 25.0 | 76.8  | 212.5 | 404.0 | 615.6 | 778.9  | 734.4  | 525.4 | 271.0 | 100.9 | 32.2 |

| Growing Degree Units (Accumulated Monthly)          |    |    |     |     |      |      |      |      |      |      |      |      |
|-----------------------------------------------------|----|----|-----|-----|------|------|------|------|------|------|------|------|
| 40                                                  | 34 | 76 | 216 | 597 | 1279 | 2207 | 3332 | 4399 | 5221 | 5708 | 5908 | 5979 |
| 45                                                  | 13 | 30 | 102 | 351 | 878  | 1657 | 2627 | 3538 | 4210 | 4550 | 4655 | 4687 |
| 50                                                  | 3  | 9  | 42  | 186 | 560  | 1189 | 2004 | 2760 | 3282 | 3493 | 3539 | 3551 |
| 55                                                  | 0  | 2  | 15  | 87  | 323  | 802  | 1462 | 2063 | 2438 | 2550 | 2566 | 2569 |
| 60                                                  | 0  | 0  | 4   | 36  | 163  | 495  | 1000 | 1447 | 1684 | 1731 | 1734 | 1734 |
| Growing Degree Units for Corn (Monthly Accumulated) |    |    |     |     |      |      |      |      |      |      |      |      |
| 50/86                                               | 17 | 42 | 119 | 332 | 736  | 1351 | 2130 | 2864 | 3390 | 3661 | 3762 | 3794 |

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.