

Summary of Monthly Normals  
1991-2020

Generated on 04/26/2024

Current Location: Elev: 10 ft. Lat: 38.5000° N Lon: 77.3000° W

Station: **QUANTICO MCAS, VA US USW00013773**

| 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               | 44.8      | 28.3      | 36.6 | 4.0                   | 3.9                   | 3.9                   | 1.9                 | 0.8   | 0.2   | 0.0   | 0.0   | 0.0   | 573.6               | 634.5 | 727.0 | 881.8 | 0.0                 | 0.0       | 9.1       | 3.8       | 21.7      | 0.1      |  |
| 02               | 48.3      | 30.4      | 39.4 | 4.7                   | 3.9                   | 4.2                   | 5.0                 | 2.8   | 1.0   | 0.1   | 0.0   | 0.0   | 443.1               | 496.9 | 579.1 | 718.3 | 0.0                 | 0.0       | 11.5      | 1.8       | 18.1      | 0.1      |  |
| 03               | 56.3      | 37.1      | 46.7 | 4.3                   | 3.3                   | 3.7                   | 32.9                | 22.9  | 12.5  | 3.4   | 0.5   | 0.1   | 290.1               | 342.1 | 424.7 | 570.6 | 0.0                 | 0.0       | 20.8      | 0.3       | 10.4      | 0.0      |  |
| 04               | 67.8      | 47.1      | 57.5 | 2.3                   | 2.4                   | 2.3                   | 144.0               | 111.2 | 72.1  | 29.7  | 8.2   | 4.3   | 70.6                | 97.8  | 148.6 | 256.3 | 0.0                 | 0.3       | 29.1      | 0.0       | 1.1       | 0.0      |  |
| 05               | 75.5      | 56.8      | 66.1 | 3.3                   | 3.4                   | 3.2                   | 350.0               | 293.6 | 216.4 | 114.3 | 47.0  | 29.3  | 4.4                 | 9.9   | 25.7  | 78.7  | 0.0                 | 1.4       | 31.0      | 0.0       | 0.0       | 0.0      |  |
| 06               | 83.7      | 65.9      | 74.8 | 2.0                   | 1.6                   | 1.7                   | 594.0               | 534.1 | 444.9 | 300.1 | 167.9 | 122.7 | 0.0                 | 0.2   | 0.9   | 6.1   | 0.0                 | 5.0       | 30.0      | 0.0       | 0.0       | 0.0      |  |
| 07               | 88.0      | 70.7      | 79.3 | 2.5                   | 2.1                   | 2.2                   | 754.7               | 692.7 | 599.7 | 444.7 | 290.4 | 230.4 | 0.0                 | 0.0   | 0.0   | 0.0   | 0.6                 | 12.6      | 31.0      | 0.0       | 0.0       | 0.0      |  |
| 08               | 86.1      | 69.0      | 77.6 | 2.4                   | 2.1                   | 2.1                   | 698.9               | 636.9 | 544.0 | 389.1 | 238.1 | 181.7 | 0.0                 | 0.0   | 0.0   | 0.1   | 0.1                 | 8.0       | 31.0      | 0.0       | 0.0       | 0.0      |  |
| 09               | 79.5      | 62.1      | 70.8 | 2.6                   | 2.5                   | 2.3                   | 474.7               | 415.7 | 329.3 | 196.0 | 91.6  | 61.2  | 0.8                 | 1.8   | 5.4   | 22.0  | 0.0                 | 2.0       | 30.0      | 0.0       | 0.0       | 0.0      |  |
| 10               | 68.8      | 49.7      | 59.2 | 2.5                   | 2.7                   | 2.4                   | 175.1               | 134.6 | 84.8  | 32.2  | 9.2   | 4.9   | 43.3                | 64.9  | 108.0 | 210.5 | 0.0                 | 0.1       | 30.7      | 0.0       | 0.3       | 0.0      |  |
| 11               | 57.8      | 39.3      | 48.6 | 4.0                   | 2.9                   | 3.3                   | 31.6                | 20.0  | 9.1   | 1.8   | 0.1   | 0.0   | 225.1               | 273.4 | 352.6 | 495.2 | 0.0                 | 0.0       | 24.0      | 0.0       | 7.1       | 0.0      |  |
| 12               | 48.6      | 32.2      | 40.4 | 4.2                   | 3.5                   | 3.8                   | 7.3                 | 4.2   | 1.5   | 0.3   | 0.0   | 0.0   | 459.8               | 518.7 | 609.0 | 762.8 | 0.0                 | 0.0       | 13.2      | 0.9       | 17.2      | 0.0      |  |
| Summary          | 67.1      | 49.1      | 58.1 | 3.2                   | 2.9                   | 2.9                   | 3270                | 2869  | 2316  | 1512  | 853   | 635   | 2111                | 2440  | 2981  | 4002  | 0.7                 | 29.4      | 291.4     | 6.8       | 75.9      | 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                  | 2.66   | 9.3                 | 5.1     | 1.7     | 0.5     | 2.03                                                                                                                   | 2.47  | 2.93  |
| 02                  | 2.36   | 9.4                 | 5.2     | 1.4     | 0.6     | 1.58                                                                                                                   | 1.98  | 2.56  |
| 03                  | 3.58   | 10.9                | 6.3     | 2.1     | 0.9     | 2.89                                                                                                                   | 3.11  | 4.32  |
| 04                  | 3.16   | 10.4                | 6.1     | 2.1     | 0.8     | 2.12                                                                                                                   | 2.99  | 4.15  |
| 05                  | 3.63   | 12.5                | 7.1     | 2.3     | 0.7     | 2.09                                                                                                                   | 3.19  | 4.93  |
| 06                  | 3.53   | 10.6                | 6.7     | 2.4     | 0.9     | 2.01                                                                                                                   | 2.50  | 4.43  |
| 07                  | 4.64   | 9.8                 | 5.8     | 2.6     | 1.0     | 2.63                                                                                                                   | 4.13  | 6.61  |
| 08                  | 4.24   | 8.1                 | 4.6     | 1.9     | 0.9     | 2.89                                                                                                                   | 3.74  | 4.56  |
| 09                  | 3.43   | 9.4                 | 5.7     | 2.4     | 1.0     | 1.75                                                                                                                   | 3.32  | 4.83  |
| 10                  | 3.33   | 9.0                 | 5.3     | 2.2     | 0.9     | 1.78                                                                                                                   | 3.11  | 4.63  |
| 11                  | 3.14   | 9.0                 | 5.1     | 2.1     | 1.0     | 1.19                                                                                                                   | 2.55  | 4.32  |
| 12                  | 3.33   | 9.7                 | 6.5     | 2.6     | 0.6     | 2.33                                                                                                                   | 3.08  | 4.30  |
| Summary             | 41.03  | 118.1               | 69.5    | 25.8    | 9.8     | 25.29                                                                                                                  | 36.17 | 52.57 |

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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         | 3.50             | 2.2                    | 1.1 | 0.3 | 0.2  | 0.1   | 2.2                      | 1.3 | 0.9 | 0.8 | 0.30                                                                                              | 1.30 | 2.50 |
| 02         | 5.80             | 2.0                    | 1.3 | 0.7 | 0.2  | 0.2   | 3.8                      | 1.7 | 1.2 | 0.0 | 0.00                                                                                              | 2.70 | 4.50 |
| 03         | 1.40             | 0.8                    | 0.5 | 0.2 | 0.1  | 0.0   | 0.7                      | 0.0 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 2.10 |
| 04         | 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 |
| 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         | 0.00             | 0.1                    | 0.0 | 0.0 | 0.0  | 0.0   | 0.0                      | 0.0 | 0.0 | 0.0 | 0.00                                                                                              | 0.00 | 0.00 |
| 12         | 1.70             | 1.2                    | 0.6 | 0.2 | 0.1  | 0.0   | 1.2                      | 0.5 | 0.0 | 0.0 | 0.00                                                                                              | 0.20 | 2.10 |
| Summary    | 12.4             | 6.3                    | 3.5 | 1.4 | 0.6  | 0.3   | 7.9                      | 3.5 | 2.1 | 0.8 | 0.3                                                                                               | 4.2  | 11.2 |

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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                                      | 64.6 | 90.9 | 242.0 | 524.4 | 810.7 | 1044.0 | 1219.7 | 1164.0 | 923.9 | 596.8 | 272.6 | 105.5 |
| 45                                      | 26.5 | 41.6 | 140.9 | 379.9 | 655.7 | 893.9  | 1064.7 | 1008.9 | 773.9 | 443.6 | 158.1 | 47.4  |
| 50                                      | 8.8  | 16.7 | 72.9  | 249.2 | 500.9 | 744.0  | 909.7  | 854.0  | 624.0 | 299.4 | 78.7  | 20.3  |
| 55                                      | 1.9  | 5.0  | 32.9  | 144.0 | 350.0 | 594.0  | 754.7  | 698.9  | 474.7 | 175.1 | 31.6  | 7.3   |
| 60                                      | 0.2  | 1.0  | 12.5  | 72.1  | 216.4 | 444.9  | 599.7  | 544.0  | 329.3 | 84.8  | 9.1   | 1.5   |
| Growing Degree Units for Corn (Monthly) |      |      |       |       |       |        |        |        |       |       |       |       |
| 50/86                                   | 33.5 | 51.7 | 131.4 | 299.2 | 509.3 | 721.0  | 858.4  | 819.5  | 617.7 | 342.6 | 139.6 | 50.7  |

| Growing Degree Units (Accumulated Monthly)          |    |     |     |     |      |      |      |      |      |      |      |      |
|-----------------------------------------------------|----|-----|-----|-----|------|------|------|------|------|------|------|------|
| 40                                                  | 65 | 156 | 398 | 922 | 1733 | 2777 | 3996 | 5160 | 6084 | 6681 | 6954 | 7059 |
| 45                                                  | 26 | 68  | 209 | 589 | 1245 | 2138 | 3203 | 4212 | 4986 | 5430 | 5588 | 5635 |
| 50                                                  | 9  | 26  | 98  | 348 | 848  | 1592 | 2502 | 3356 | 3980 | 4280 | 4358 | 4379 |
| 55                                                  | 2  | 7   | 40  | 184 | 534  | 1128 | 1882 | 2581 | 3056 | 3231 | 3263 | 3270 |
| 60                                                  | 0  | 1   | 14  | 86  | 302  | 747  | 1347 | 1891 | 2220 | 2305 | 2314 | 2316 |
| Growing Degree Units for Corn (Monthly Accumulated) |    |     |     |     |      |      |      |      |      |      |      |      |
| 50/86                                               | 34 | 85  | 217 | 516 | 1025 | 1746 | 2604 | 3424 | 4042 | 4384 | 4524 | 4575 |

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86.

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