# CLIMATOLOGICAL DATA

38

## VIRGINIA SECTION

### S. S. SCHWORM

VOL. LVII    RICHMOND, VA., YEAR 1947    No. 13

### GENERAL SUMMARY

Temperatures during the year 1947 averaged slightly below normal. January and October were unusually warm, while February and March were decidedly subnormal, March being the coldest of a 57-year record. Sub-freezing temperatures occurred over much of the State during the period May 8-11, and temperatures were remarkably low during the period September 23 to October 4, with freezing temperatures one or more times in nearly all of Virginia except a few southern and eastern counties.

Precipitation averaged 96 percent of the normal. January and November were the wettest months, while December and February were unusually dry. Heavy local rains in excess of 5 inches in 24 hours occurred in Fairfax, Patrick, and Floyd counties during June and in Charlotte, Halifax and Matthews counties in September. Distribution of precipitation was more uneven than usual, especially during the growing season. Snowfall for the year was the fourth greatest of record, principally due to record March snowfall following unusually heavy snows in February.

It was a good year for agriculture in spite of the periods of insufficient rainfall which affected most of the State during some part of the season. Cold weather in March delayed vegetation and farm work a fortnight or more, and their recovery was rather slow. Crops of early potatoes and other truck on the Eastern Shore and in the Norfolk area were materially reduced by dry weather which lasted until July. Corn was excellent except in a few central and northern counties. Tobacco in the Piedmont area was set late, grew unevenly, and produced less than usual. Apples and peaches were heavily damaged by the May freezes and produced only fair crops which, however, were of fine size and quality. Peanuts produced well, but wet weather at digging time caused much spotting of the hulls. Canning tomatoes were excellent. Small hay crops in the central counties were partially offset by exceptionally fine late pastures through November.

Unusually heavy snow and sleet made highways hazardous during much of February and March and contributed to many accidents. Tornadoes or tornadic winds occurred in Bedford County on April 11, at Scottsville on May 21, and Hopewell on June 29. At Hopewell several people were injured and more than 20 left homeless, with damage to over 100 buildings estimated at $200,000. On July 31 a series of violent storms, wind, hail, and electric, did great damage in the southern Piedmont and the Southwestern counties. A man was killed by a tornado at Buena Vista, and crop and property damage amounted to more than $350,000. On August 21 a man was killed by lightning at South Hill. Flash floods at Galax on October 17 and 25 caused much property damage. For more detailed accounts, see the monthly copies of the Climatological Data for Virginia.                                              S. B. T.

### MONTHLY STATE DATA 1947

| Month | Temperature | | | | Precipitation | | | | Number of days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean | Departure from the normal | Highest | Lowest | Average | Departure from the normal | Greatest 24-hour | Average snow-fall | With 0.01 in. or more of precip. | Clear | Partly cloudy | Cloudy |
| January | 42.2 | +5.7 | 79 | −3 | 5.04 | +1.77 | 2.80 | 3.4 | 13 | 11 | 5 | 15 |
| February | 31.0 | −6.2 | 70 | −11 | 1.59 | −1.46 | 2.12 | 12.3 | 5 | 14 | 7 | 7 |
| March | 37.7 | −8.1 | 76 | 1 | 2.39 | −1.24 | 1.56 | 14.3 | 9 | 12 | 9 | 10 |
| April | 56.5 | +1.9 | 89 | 20 | 2.47 | −0.79 | 1.89 | T. | 9 | 12 | 8 | 10 |
| May | 64.3 | 0.0 | 96 | 29 | 3.34 | −0.39 | 2.25 | 0.0 | 10 | 15 | 10 | 6 |
| June | 70.1 | −1.7 | 102 | 35 | 4.36 | +0.21 | 8.00 | 0.0 | 9 | 12 | 10 | 8 |
| July | 72.4 | −2.9 | 100 | 34 | 3.93 | −0.76 | 4.25 | 0.0 | 10 | 15 | 10 | 6 |
| August | 76.4 | +2.3 | 100 | 46 | 4.05 | −0.35 | 4.98 | 0.0 | 9 | 13 | 11 | 7 |
| September | 68.6 | 0.0 | 100 | 23 | 4.31 | +1.07 | 9.51 | 0.0 | 9 | 13 | 9 | 8 |
| October | 61.9 | +4.4 | 94 | 19 | 2.97 | 0.00 | 3.97 | -0.0 | 8 | 15 | 6 | 10 |
| November | 45.4 | −1.3 | 75 | 14 | 4.60 | +2.14 | 5.29 | 0.2 | 10 | 10 | 8 | 12 |
| December | 36.9 | −1.1 | 71 | 6 | 1.25 | −1.78 | 1.69 | 0.7 | 5 | 16 | 7 | 8 |
| Year | 55.3 | −0.6 | 102 | −11 | 40.30 | −1.58 | 9.51 | 30.9 | 106 | 158 | 100 | 107 |

### KILLING FROSTS 1947

| Stations | Last in spring | First in autumn | Stations | Last in spring | First in autumn |
|---|---|---|---|---|---|
| *Tidewater Virginia* | | | Chase City | Mar. 31 | Nov. 25 |
| Camp Lee | Mar. 31 | Nov. 12 | Chatham | May 11 | Sept. 28 |
| Cape Henry | Mar. 27 | Dec. 1 | Clarksville | May 11 | Oct. 1 |
| Capron | Mar. 31 | Oct. 1 | Columbia | May 11 | Oct. 2 |
| Cheriton | Mar. 29 | Nov. 29 | Crozet | May 10 | Sept. 28 |
| Dahlgren | Apr. 1 | Nov. 13 | Culpeper | May 10 | Oct. 2 |
| Diamond Springs | Mar. 27 | Nov. 13 | Danville | May 11 | Oct. 2 |
| Driver | Mar. 27 | Nov. 13 | Elkwood | May 11 | Sept. 28 |
| Emporia | May 11 | Oct. 2 | Farmville | May 11 | Sept. 28 |
| Holland | May 11 | Oct. 2 | Fredericksburg | May 11 | Oct. 1 |
| Hopewell | Mar. 29 | Nov. 13 | Gordonsville | May 11 | Oct. 1 |
| Langley Field | Mar. 27 | Nov. 29 | Greenway Downs | May 9 | Nov. 9 |
| Norfolk | Mar. 28 | Nov. 29 | Halifax | May 9 | Nov. 9 |
| Norfolk Airport | Mar. 12 | Nov. 29 | Lawrenceville | May 11 | Oct. 2 |
| Onley | Mar. 29 | Oct. 2 | Lee Exp. Forest | May 11 | Sept. 28 |
| Port Tobago Bay | May 11 | Nov. 13 | Lincoln | May 11 | Sept. 27 |
| Richmond | Mar. 29 | Nov. 13 | Louisa | May 11 | Sept. 28 |
| Richmond Airport | Apr. 4 | Nov. 13 | Lynchburg | May 10 | Nov. 9 |
| Saluda | Apr. 4 | Nov. 13 | Manassas | May 10 | Sept. 27 |
| Smithfield | Mar. 29 | Nov. 13 | Martinsville | May 11 | Sept. 28 |
| Suffolk | May 10 | Oct. 1 | Mons | May 10 | Sept. 28 |
| Urbanna | Apr. 4 | Nov. 12 | Montebello | May 10 | Sept. 27 |
| Walkerton | May 11 | Oct. 1 | Mount Weather | May 11 | Sept. 30 |
| Wallaceton | Mar. 29 | Nov. 29 | New Canton | May 11 | Sept. 28 |
| Westbrook Sanatorium | Mar. 31 | Nov. 13 | Orange | May 11 | Sept. 28 |
| Williamsburg | May 11 | Nov. 13 | Piedmont Field Sta. | May 10 | Oct. 2 |
| *Middle Virginia* | | | Pinnacles | May 11 | Sept. 28 |
| Annandale | May 10 | Oct. 1 | Quantico | Apr. 4 | Oct. 1 |
| Bedford | May 9 | Sept. 28 | Rockymount | May 10 | Nov. 10 |
| Blackstone | Apr. 4 | Nov. 13 | Vienna | May 10 | Nov. 13 |
| Charlotte Court House | Apr. 1 | Oct. 2 | Washington, D. C. | May 10 | Nov. 10 |
| Charlottesville | Mar. 31 | Nov. 14 | Waterford | May 9 | Oct. 7 |

### COMPARATIVE ANNUAL DATA FOR THE STATE

| Year | Mean temperature | Highest | Lowest | Average precipitation | Average snowfall | No. of days 0.01 inch or more of precipitation | No. of clear days | No. of partly cloudy days | No. of cloudy days |
|---|---|---|---|---|---|---|---|---|---|
| 1891 | 55.6 | | | 47.94 | | | | | |
| 1892 | 54.6 | 106 | − 8 | 39.45 | | 95 | 163 | 101 | 102 |
| 1893 | 54.7 | 104 | −26 | 46.22 | 23.1 | 103 | 156 | 100 | 109 |
| 1894 | 56.8 | 106 | −11 | 35.76 | 17.0 | 88 | 166 | 104 | 95 |
| 1895 | 54.4 | 107 | −18 | 38.23 | 38.8 | 94 | 174 | 103 | 88 |
| 1896 | 56.6 | 105 | −10 | 42.64 | 12.3 | 93 | 163 | 106 | 97 |
| 1897 | 56.0 | 103 | −15 | 39.19 | 11.8 | 92 | 171 | 99 | 95 |
| 1898 | 56.6 | 105 | − 9 | 44.71 | 8.7 | 108 | 162 | 101 | 102 |
| 1899 | 55.4 | 106 | −29 | 42.20 | 36.7 | 98 | 176 | 95 | 94 |
| 1900 | 57.1 | 110 | − 8 | 39.52 | 18.6 | 86 | 181 | 91 | 93 |
| 1901 | 54.5 | 106 | −14 | 49.99 | 9.5 | 100 | 167 | 94 | 104 |
| 1902 | 55.6 | 108 | 0 | 40.67 | 14.9 | 95 | 170 | 97 | 98 |
| 1903 | 54.9 | 105 | −13 | 44.09 | 8.4 | 95 | 172 | 89 | 104 |
| 1904 | 53.7 | 100 | −14 | 36.11 | 24.9 | 95 | 170 | 101 | 95 |
| 1905 | 54.9 | 98 | −15 | 43.27 | 18.5 | 111 | 155 | 112 | 98 |
| 1906 | 56.2 | 102 | − 2 | 50.03 | 15.2 | 124 | 143 | 120 | 102 |
| 1907 | 54.5 | 97 | −16 | 44.41 | 17.4 | 115 | 159 | 115 | 91 |
| 1908 | 55.5 | 102 | −20 | 46.17 | 30.0 | 110 | 162 | 108 | 96 |
| 1909 | 55.6 | 102 | − 5 | 38.02 | 12.9 | 101 | 171 | 104 | 90 |
| 1910 | 54.8 | 102 | − 9 | 41.37 | 20.3 | 112 | 151 | 116 | 98 |
| 1911 | 56.8 | 104 | 0 | 41.00 | 9.2 | 115 | 149 | 110 | 106 |
| 1912 | 54.9 | 100 | −25 | 40.88 | 24.6 | 103 | 165 | 106 | 95 |
| 1913 | 57.2 | 102 | − 3 | 42.33 | 4.0 | 100 | 178 | 98 | 89 |
| 1914 | 55.1 | 103 | −17 | 36.66 | 39.8 | 101 | 168 | 100 | 97 |
| 1915 | 55.6 | 101 | − 5 | 40.03 | 13.5 | 97 | 160 | 116 | 89 |
| 1916 | 55.6 | 102 | −11 | 38.94 | 18.6 | 103 | 165 | 106 | 95 |
| 1917 | 53.3 | 103 | −27 | 40.11 | 23.7 | 114 | 158 | 107 | 100 |
| 1918 | 55.5 | 108 | −22 | 43.48 | 24.7 | 105 | 159 | 97 | 109 |
| 1919 | 56.8 | 103 | −16 | 41.65 | 7.4 | 102 | 161 | 99 | 105 |
| 1920 | 54.8 | 99 | − 9 | 45.91 | 7.1 | 106 | 162 | 89 | 115 |
| 1921 | 58.4 | 104 | −12 | 34.94 | 13.8 | 97 | 161 | 102 | 102 |
| 1922 | 56.9 | 100 | −13 | 45.15 | 24.8 | 110 | 145 | 107 | 113 |
| 1923 | 56.1 | 103 | − 1 | 40.90 | 10.3 | 104 | 168 | 96 | 101 |
| 1924 | 54.4 | 107 | −12 | 47.34 | 12.8 | 105 | 165 | 90 | 111 |
| 1925 | 56.6 | 103 | −14 | 32.53 | 9.5 | 98 | 160 | 99 | 106 |
| 1926 | 55.5 | 107 | − 6 | 41.41 | 16.5 | 112 | 157 | 97 | 111 |
| 1927 | 56.5 | 104 | − 7 | 41.64 | 10.4 | 113 | 148 | 103 | 114 |
| 1928 | 55.7 | 103 | − 5 | 43.07 | 9.2 | 110 | 151 | 112 | 103 |
| 1929 | 56.2 | 99 | − 8 | 46.31 | 16.7 | 115 | 155 | 97 | 113 |
| 1930 | 56.9 | 109 | −13 | 24.99 | 23.4 | 86 | 165 | 99 | 101 |
| 1931 | 57.8 | 104 | − 2 | 38.00 | 3.7 | 105 | 163 | 106 | 96 |
| 1932 | 57.5 | 108 | − 9 | 44.68 | 13.1 | 102 | 169 | 90 | 107 |
| 1933 | 57.6 | 104 | − 7 | 39.46 | 8.2 | 105 | 163 | 101 | 101 |
| 1934 | 56.2 | 107 | −16 | 45.73 | 21.6 | 113 | 157 | 104 | 104 |
| 1935 | 55.4 | 101 | −16 | 46.66 | 21.9 | 119 | 150 | 103 | 112 |
| 1936 | 56.0 | 109 | −17 | 45.30 | 25.1 | 108 | 169 | 95 | 102 |
| 1937 | 55.7 | 102 | − 3 | 53.20 | 14.7 | 126 | 155 | 99 | 111 |
| 1938 | 57.0 | 101 | − 3 | 42.21 | 9.1 | 118 | 169 | 89 | 107 |
| 1939 | 57.2 | 101 | − 1 | 41.26 | 15.9 | 106 | 176 | 91 | 98 |
| 1940 | 54.3 | 105 | −20 | 44.59 | 22.7 | 112 | 159 | 96 | 111 |
| 1941 | 56.8 | 102 | − 2 | 30.81 | 10.7 | 86 | 190 | 93 | 82 |
| 1942 | 56.4 | 106 | −14 | 48.59 | 16.6 | 115 | 164 | 94 | 107 |
| 1943 | 56.2 | 104 | − 8 | 35.92 | 12.9 | 100 | 180 | 96 | 89 |
| 1944 | 56.0 | 106 | − 2 | 44.94 | 12.3 | 107 | 165 | 97 | 104 |
| 1945 | 56.4 | 105 | − 4 | 47.25 | 13.6 | 120 | 159 | 93 | 113 |
| 1946 | 57.0 | 100 | − 5 | 38.79 | 11.1 | 105 | 161 | 93 | 111 |
| 1947 | 55.3 | 102 | −11 | 40.30 | 30.9 | 106 | 158 | 100 | 107 |
| NORMALS OR EXTREMES | 55.9 | 110 | −29 | 41.88 | 16.8 | 104 | 168 | 101 | 101 |

## Climatological Data for the Year 1947

| Stations | Counties | Elevation, feet | Temperature, degrees Fahrenheit | | | | | | Precipitation | | | | | | Total snowfall | Number of rainy days | Sky | | | Prevailing direction of wind |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Length of record, years | Annual mean | Highest | Date | Lowest | Date | Length of record, years | Total for the year | Greatest monthly | Month | Least monthly | Month | | | Number of clear days | Number of partly cloudy days | Number of cloudy days | |
| **Tidewater Virginia** | | | | | | | | | | | | | | | | | | | | |
| Camp Lee | Prince George | 60 | 2 | 56.8 | 98 | June 12 | 9 | Mar. 9 | 2 | 42.01 | 6.72 | Nov. | 1.43 | Dec. | ..... | 119 | 108 | 127 | 130 | ..... |
| Cape Henry | Princess Anne | 18 | 74 | 59.4 | 97 | July 31 | 14 | Feb. 9 | 74 | 39.42 | 5.86 | Aug. | 0.75 | Oct. | 12.0 | 105 | 119 | 106 | 140 | n. |
| Capron, 3 miles west | Southampton | 100 | 8 | 57.0 | 97 | June 12 | 8 | Feb. 5 | 8 | 40.07 | 5.91 | June | 1.35 | Feb. | ..... | 93 | 149 | 74 | 142 | n. |
| Cheriton | Northampton | 11 | 11 | 59.8 | 96 | Dec. 31 | 13 | Feb. 5 | 21 | 40.14 | 6.14 | Sept. | 1.02 | Feb. | 16.9 | 78 | 214 | 54 | 97 | nw. |
| Dahlgren, (Prov. grds.) | King George | 18 | 28 | 56.4 | 98 | Aug. 15 | 8 | Feb. 5 | 28 | 29.97 | 6.09 | June | 0.72 | Feb. | ..... | 86 | 86 | 98 | 181 | sw. |
| Diamond Springs‡‡ | Princess Anne | 25 | 39 | 60.5 | 102 | June 11† | 14 | Feb. 9† | 39 | 42.24 | 6.02 | July | 1.35 | Feb. | 15.5 | 106 | 123 | 122 | 120 | ne. |
| Emporia, 1 mile WNW | Greensville | 80 | | | | | | | 17 | 41.94 | 7.82 | June | 1.44 | Dec. | 14.2 | 116 | 211 | 88 | 66 | s. |
| Holland, 1 mile east | Nansemond | 80 | 15 | 58.8 | 98 | June 11 | 8 | Feb. 24 | 15 | 49.35 | 6.65 | July | 1.12 | Feb. | 16.5 | 97 | 241 | 27 | 97 | ne. |
| Hopewell | Prince George | 40 | 56 | 59.7 | 99 | June 11 | 11 | Feb. 5 | 60 | 36.08 | 7.02 | June | 1.27 | Dec. | 16.2 | 99 | 98 | 104 | 163 | s. |
| Langley Field | Elizabeth City | 9 | 63 | 59.4 | 98 | June 11 | 13 | Feb. 5 | 111 | 38.58 | 7.11 | Sept. | 1.16 | Feb. | 13.7 | 91 | 124 | 112 | 129 | sw. |
| Norfolk | | 11 | 77 | 60.2 | 97 | June 11 | 14 | Feb. 5 | 77 | 42.18 | 8.28 | July | 1.26 | Feb. | 15.3 | 112 | 95 | 111 | 159 | ne. |
| Onley, 1 mile south | Accomac | 40 | 29 | 57.4 | 96 | June 12 | 12 | Feb. 5 | 30 | 45.78 | 8.37 | Jan. | 0.90 | May | 18.8 | 97 | 191 | 142 | 32 | nw. |
| Richmond | | 162 | 68 | 58.0 | 97 | June 11 | 11 | Feb. 5 | 76 | 39.20 | 7.03 | Sept. | 1.47 | Dec. | 16.8 | 116 | 102 | 132 | 131 | s. |
| Richmond Byrd Airport | Henrico | 164 | 11 | 57.2 | 97 | June 19 | 8 | Feb. 6 | 11 | 42.20 | 7.03 | Nov. | 1.43 | Feb. | 20.8 | 118 | 106 | 95 | 164 | ne. |
| Suffolk | Nansemond | 23 | 2 | 58.5 | 99 | June 11† | 8 | Feb. 24 | 2 | 41.49 | 6.32 | Nov. | 1.18 | Feb. | 17.2 | 125 | 109 | 143 | 113 | n. |
| Urbanna | Middlesex | 31 | 9 | 57.0 | 98 | Aug. 15 | 10 | Feb. 5 | 9 | 39.85 | 8.49 | Sept. | 1.85 | Mar. § | 16.8 | 112 | 101 | 114 | 150 | ne. |
| Walkerton | King and Queen | 35 | 14 | 57.6 | 98 | June 11† | 8 | Feb. 5 | 15 | 42.56 | 9.11 | Sept. | 1.26 | Feb. | 19.9 | 116 | 114 | 138 | 113 | sw. |
| Wallaceton, 3 miles west | Norfolk | 25 | | | | | | | 22 | 46.48 | 8.67 | July | 1.05 | Aug. | ..... | 98 | 156 | 140 | 69 | s. |
| Williamsburg, 2 mi. NW | James City | 100 | 53 | 57.9 | 97 | June 11 | 9 | Feb. 5 | 47 | 33.21 | 6.03 | Sept. | 1.44 | Apr. | 14.9 | 106 | 159 | 110 | 96 | sw. |
| **Middle Virginia** | | | | | | | | | | | | | | | | | | | | |
| Bedford | Bedford | 950 | 20 | 56.0 | 98 | June 11† | 7 | Feb. 9 | 34 | 49.34 | 6.87 | Jan. | 1.05 | Dec. | 37.2 | 127 | 146 | 136 | 83 | c. |
| Blackstone | Nottoway | 438 | 3 | 57.3 | 100 | June 11 | 10 | Feb. 5 | 3 | 41.64 | 8.24 | Sept. | 0.79 | Aug. | 16.7 | 113 | 98 | 121 | 146 | w. |
| Charlotte Court House | Charlotte | 560 | 1 | 56.2 | 98 | June 11† | 10 | Feb. 6† | 1 | 42.95 | 8.67 | Sept. | 1.25 | Dec. | 24.8 | 113 | 132 | 165 | 68 | ..... |
| Charlottesville, 2 mi. | Albemarle | 870 | 55 | 56.1 | 96 | Sept. 4 | 6 | Feb. 5 | 72 | 42.26 | 7.20 | June | 1.09 | Dec. | 29.2 | 108 | 149 | 94 | 122 | n. |
| Chatham, 4 miles north | Pittsylvania | 852 | 25 | 56.6 | 97 | June 11† | 9 | Feb. 5 | 26 | 37.90 | 6.02 | Sept. | 0.81 | Dec. | 30.1 | 103 | 147 | 70 | 148 | w. |
| Clarksville | Mecklenburg | 286 | 29 | 57.9 | 99 | July 31 | 9 | Feb. 5 | 57 | 45.06 | 7.02 | Sept. | 1.20 | Dec. | 10.0 | 125 | | | | ..... |
| Columbia | Fluvanna | 220 | 46 | 56.8 | 100 | Aug. 31† | 6 | Mar. 9 | 50 | 37.06 | 5.12 | Sept. | 1.02 | Dec. | 26.0 | 103 | 208 | 66 | 91 | ne. |
| Crozet, 2 miles north | Albemarle | 750 | 6 | 56.2 | 98 | June 11 | 9 | Feb. 5 | 6 | 42.25 | 6.82 | Aug. | 1.02 | Dec. | 28.8 | 108 | 163 | 74 | 128 | sw. |
| Culpeper | Culpeper | 475 | 39 | 55.8 | 96 | June 11† | 6 | Feb. 9 | 41 | 43.51 | 7.24 | July | 0.82 | Dec. | 33.5 | 99 | 254 | 61 | 50 | s. |
| Danville | | 530 | 31 | 58.3 | 99 | June 11† | 10 | Feb. 9 | 57 | 45.26 | 7.87 | Sept. | 1.35 | Dec. | 21.9 | 123 | 214 | 109 | 42 | ne. |
| Elkwood, 7 miles south | Culpeper | 314 | 7 | 54.9 | 97 | Aug. 14† | | | 7 | 34.42 | 5.04 | Sept. | 0.70 | Aug. | 36.5 | 100 | 251 | 53 | 61 | s. |
| Farmville | Prince Edward | 450 | 26 | 56.8 | 99 | Aug. 31 | 9 | Feb. 5† | 28 | 42.40 | 6.45 | Sept. | 1.05 | Aug. | 33.0 | 116 | 176 | 59 | 130 | sw. |
| Fredericksburg | | 100 | 54 | 56.3 | | | 5 | Feb. 5 | 56 | 35.15 | 5.32 | Nov. | 1.10 | Aug. | 31.0 | | | | | ..... |
| Gordonsville | Louisa | 438 | 3 | 54.0 | 98 | Aug. 13 | 3 | Feb. 9† | 10 | 31.10 | 5.58 | Nov. | 0.80 | Dec. | 27.7 | 97 | 124 | 84 | 157 | sw. |
| Halifax | Halifax | 425 | | | | | | | 17 | 43.69 | 9.08 | Sept. | 1.42 | Dec. | 28.8 | 111 | 135 | 106 | 124 | w. |
| Lawrenceville | Brunswick | 254 | 3 | 56.9 | 97 | June 11 | 9 | Mar. 9 | 3 | 34.34 | 7.07 | Nov. | 1.13 | Dec. | ..... | 65 | 239 | 97 | 29 | s. |
| Lee Experimental Forest | Buckingham | 500 | 2 | 54.8 | 98 | Aug. 17 | 8 | Feb. 5† | 2 | 42.14 | 5.37 | Jan. | 1.08 | Dec. | ..... | 110 | 133 | 115 | 117 | w. |
| Lincoln ‡‡ | Loudoun | 500 | 46 | 55.5 | 97 | Aug. 20 | 4 | Feb. 5 | 47 | 37.15 | 5.19 | July | 1.26 | Oct. | 27.5 | 108 | 176 | 85 | 104 | s. |
| Louisa‡ | Louisa | 437 | 32 | 55.7 | 98 | Sept. 4 | 4 | Feb. 9 | 32 | 37.77 | 5.96 | Nov. | 0.96 | Dec. | 37.0 | 106 | 150 | 139 | 76 | s. |
| Lynchburg Airport | Campbell | 955 | 76 | 55.7 | 97 | July 31 | 8 | Feb. 9 | 76 | 36.60 | 4.20 | Jan. | 0.64 | Feb. | 27.5 | 115 | 109 | 120 | 136 | sw. |
| Manassas, 4 miles south | Prince William | 172 | | | | | | | 31 | 34.27 | 4.64 | June | 1.15 | Dec. | ..... | 117 | 155 | 109 | 101 | sw. |
| Martinsville | Henry | 760 | 10 | 54.0 | 96 | June 10 | 4 | Feb. 9† | 17 | 46.06 | 6.49 | Oct. | 1.33 | Dec. | 24.8 | 125 | 205 | 99 | 61 | ne. |
| Mount Weather ‡‡ | Loudoun | 1,725 | 43 | 49.8 | 90 | June 11† | -2 | Feb. 5† | 44 | 43.55 | 8.33 | Aug. | 1.29 | Apr. | 22.0 | 103 | 56 | 115 | 194 | w. |
| New Canton | Buckingham | 300 | 52 | 55.9 | 96 | Sept. 4 | 5 | Feb. 5 | 54 | 33.01 | 4.74 | Nov. | 0.43 | Aug. | 32.0 | 96 | 179 | 86 | 100 | sw. |
| Orange, 1 mile SW | Orange | 514 | | | | | | | 36 | 37.02 | 7.93 | Nov. | 0.98 | Oct. § | 41.6 | 73 | 195 | 94 | 76 | w. |
| Piemont Field Station | do. | 500 | 1 | 56.2 | 96 | Aug. 15† | 4 | Feb. 9 | 2 | 31.46 | 6.55 | Nov. | 0.90 | Dec. | 31.0 | 100 | 175 | 90 | 100 | ..... |
| Pinnacles | Patrick | 2,820 | | | | | | | 14 | 57.33 | 11.32 | June | 1.01 | Dec. | 39.5 | 107 | 165 | 99 | 101 | nw. |
| Quantico(USMC), 1 mi. S. | Prince William | 12 | 47 | 55.6 | 96 | Aug. 14† | 6 | Feb. 24 | 43 | 29.45 | 4.36 | June | 0.79 | Feb. | 12.9 | 111 | 87 | 156 | 122 | nw. |
| Randolph | Charlotte | 334 | | | | | | | 43 | 55.06 | 10.51 | Sept. | 0.8? | June | 23.0 | 85 | 206 | 68 | 91 | w. |
| Rockymount‡ | Franklin | 1,192 | 51 | 55.2 | 96 | July 31 | 8 | Feb. 6 | 54 | 44.18 | 6.08 | Jan. | 1. | Dec. | 27.7 | 86 | 209 | 78 | 78 | se. |
| Washington, D. C. | | 72 | 77 | 57.0 | 97 | Aug. 14 | 7 | Feb. 5 | 77 | 40.39 | 5.76 | June | ?.?4 | Mar. | 22.9 | 116 | 99 | 121 | 145 | nw. |
| **The Great Valley** | | | | | | | | | | | | | | | | | | | | |
| Afton, 1 mile east | Nelson | 1,250 | | | | | | | 17 | 36.89 | 5.62 | July | 0.65 | Dec. | 41.2 | 69 | | | | ..... |
| Balcony Falls | Rockbridge | 725 | | | | | | | 17 | 43.60 | 5.94 | Jan. | 1.03 | Dec. | 40.1 | 116 | 160 | 66 | 139 | w. |
| Big Meadows | Madison | 3,420 | 13 | 47.6 | 87 | June 11† | -11 | Feb. 5 | 13 | 49.67 | 7.63 | Sept. | 0.45 | Dec. | 47.2 | 127 | 121 | 152 | 92 | nw. |
| Blacksburg | Montgomery | 2,170 | 56 | 51.8 | 93 | July 31 | 2 | Feb. 5 | 56 | 41.46 | 6.06 | Jan. | 0.50 | Dec. | 32.9 | 113 | 171 | 117 | 77 | w. |
| Buchanan | Botetourt | 875 | 30 | 55.8 | 99 | July 31 | 8 | Feb. 5 | 47 | 45.13 | 6.46 | Jan. | 1.00 | Dec. | 38.0 | 109 | 140 | 157 | 68 | w. |
| Burkes Garden | Tazewell | 3,250 | 51 | 49.3 | 88 | June 12 | -2 | Feb. 5† | 53 | 45.33 | 8.74 | Jan. | 1.45 | Dec. | 80.5 | 110 | 206 | 76 | 83 | w. |
| Catawba Sanatorium | Roanoke | 2,100 | 37 | 53.2 | 93 | July 31 | 3 | Feb. 5 | 37 | 48.96 | 8.89 | Aug. | 0.77 | Dec. | 38.2 | 122 | 196 | 67 | 102 | nw. |
| Clifton Forge | Alleghany | 1,055 | | | | | | | 24 | 43.72 | 5.91 | June | 1.13 | Dec. | 43.7 | 118 | 155 | 64 | 146 | w. |
| Clinchport | Scott | 1,275 | | | | | | | 50 | 44.40 | 10.49 | Jan. | 1.85 | May | 31.2 | 92 | | | | ..... |
| Dale Enterprise | Rockingham | 1,350 | 66 | 53.0 | 97 | June 11 | 3 | Feb. 5 | 68 | 30.03 | 5.44 | June | 0.74 | Dec. | 29.0 | 101 | 140 | 128 | 97 | s. |
| Damascus | Washington | 1,950 | | | | | | | 21 | 44.74 | 8.19 | Jan. | 0.95 | Dec. | 35.7 | 135 | 149 | 114 | 102 | sw. |
| Dante | Russell | 1,765 | 30 | 54.9 | 95 | June 11 | 0 | Feb. 8 | 31 | 42.48 | 7.22 | Jan. | 0.80 | Oct. | ..... | 112 | 122 | 129 | 114 | sw. |
| Deerfield | Augusta | 1,750 | | | | | | | 21 | 35.70 | 7.71 | July | 1.10 | Feb. | 33.9 | 88 | 229 | 106 | 30 | w. |
| Emory | Washington | 2,205 | 23 | 53.7 | 97 | July 31 | 2 | Feb. 8 | 24 | 37.54 | 8.40 | Jan. | 1.39 | May | 49.0 | 105 | 207 | 90 | 68 | w. |
| Floyd | Floyd | 2,600 | 15 | 52.6 | 93 | June 11 | 0 | Feb. 5 | 15 | 47.93 | 9.77 | June | 0.84 | Dec. | 32.5 | 92 | 241 | 67 | 57 | w. |
| Front Royal | Warren | 683 | 2 | 50.7 | 95 | June 11 | 5 | Feb. 5 | 3 | 29.63 | 4.87 | May | 0.68 | Dec. | 24.1 | 115 | 70 | 144 | 151 | nw. |
| Glen Lyn | Giles | 1,524 | 16 | 53.7 | 96 | July 31 | 4 | Feb. 5† | 34 | 31.73 | 7.32 | Aug. | 0.58 | Dec. | 33.0 | 124 | 100 | 112 | 153 | s. |
| Hot Springs | Bath | 2,195 | 54 | 49.9 | 88 | June 11 | -1 | Feb. 5 | 56 | 40.57 | 5.81 | July | 1.35 | Dec. | 46.0 | 137 | 140 | 112 | 113 | sw. |
| Ivanhoe | Wythe | 2,100 | | | | | | | 41 | 38.64 | 6.15 | Aug. | 0.80 | Dec. | 34.8 | 125 | | | | ..... |
| Lexington | | 1,060 | 70 | 55.1 | 92 | June 13 | 9 | Jan. 22 | 76 | 43.09 | 6.09 | July | 1.22 | Dec. | 37.5 | 124 | 244 | 28 | 93 | w. |
| Luray | Page | 1,120 | 6 | 54.5 | 96 | Aug. 14 | 4 | Feb. 5 | 6 | 38.34 | 7.11 | Nov. | 0.73 | Dec. | 33.0 | 112 | 137 | 136 | 92 | nw. |
| Mendota | Washington | 1,350 | | | | | | | 43 | 43.63 | 9.24 | Jan. | 1.80 | Feb. | 27.3 | 115 | | | | ..... |
| Monterey | Highland | 2,950 | 7 | 46.7 | 88 | Aug. 13 | -7 | Feb. 5 | 23 | 36.78 | 4.58 | Nov. | 0.99 | Dec. | 49.1 | 120 | 158 | 88 | 119 | sw. |
| Moores Creek Dam | Rockbridge | 1,780 | | | | | | | 12 | 35.69 | 6.31 | July | 0.81 | Dec. | 58.0 | 55 | | | | se. |
| Mountain Lake, nw end | Giles | 3,600 | 13 | 46.5 | | | -6 | Feb. 5† | 13 | 50.04 | 6.50* | Aug. | 0.57 | Dec. | ..... | 154 | 78 | 139 | 148 | w. |
| North River Dam | Augusta | 1,918 | | | | | | | 17 | 37.88 | 7.02 | July | 1.02 | Dec. | 47.0 | 93 | 189 | 101 | 75 | se. |
| Pennington Gap, 1 mi. W | Lee | 1,386 | 16 | 54.0 | 95 | July 31 | 4 | Feb. 8† | 16 | 47.27 | 10.29 | Jan. | 1.67 | Oct. | 45.0 | 134 | 141 | 113 | 111 | sw. |
| Pulaski Airport | Pulaski | 2,190 | 6 | 51.5 | 92 | July 31 | 2 | Feb. 5 | 6 | 35.92 | 6.13 | June | 0.40 | Dec. | 40.9 | 126 | 62 | 105 | 198 | w. |
| Radford | Montgomery | 1,800 | | | | | | | 42 | 39.14 | 6.59 | Jan. | 0.71 | Dec. | 39.8 | 128 | | | | ..... |
| Riverton | Warren | 500 | | | | | | | 17 | 29.56 | 5.84 | May | 0.57 | Dec. | 18.2 | 86 | | | | ..... |
| Roanoke | | 907 | 41 | 55.5 | 98 | June 11 | 9 | Feb. 9 | 54 | 48.27 | 7.26 | Oct. | 0.80 | Dec. | 34.2 | 101 | 139 | 147 | 79 | w. |
| Saltville | Smyth | 1,735 | 30 | 54.5 | 94 | June 10 | 6 | Feb. 5† | 32 | 48.78 | 8.56 | Aug. | 2.03 | May | 44.1 | 155 | 136 | 91 | 138 | sw. |
| Staunton | | 1,480 | 56 | 53.0 | 95 | June 11 | 3 | Feb. 21 | 61 | 33.79 | 4.89 | Jan. | 0.72 | Dec. | 35.5 | 110 | 191 | 105 | 69 | w. |
| Timberville | Rockingham | 1,030 | 6 | 53.3 | 95 | Aug. 14† | 3 | Feb. 5† | 16 | 24.80 | 3.55 | July | 0.73 | Dec. | 27.0 | 92 | 199 | 114 | 52 | s. |
| Winchester | Frederick | 720 | 42 | 54.6 | 97 | Aug. 14 | 3 | Feb. 5 | 41 | 32.86 | 5.71 | June | 0.61 | Dec. | 23.0 | 118 | 188 | 120 | 107 | w. |
| Woodstock | Shenandoah | 875 | 50 | 54.9 | 98 | Aug. 14 | 4 | Feb. 5 | 56 | 26.20 | 4.27 | Nov. | 0.60 | Dec. | 29.9 | 98 | | | | w. |
| Wytheville | Wythe | 2,299 | 45 | 53.5 | 89 | June 10† | 2 | Feb. 5 | 74 | 38.66 | 7.30 | Aug. | 0.87 | Dec. | 37.0 | 133 | 147 | 107 | 111 | nw. |
| State means and extremes | | | | 55.3 | 102 | June 11 | -11 | Feb. 5 | | 40.30 | 11.32 | June | 0.30 | Dec. | 30.9 | 106 | 158 | 100 | 107 | w. |

Section and State averages are computed from monthly means. The mean departures from normal temperature and precipitation are based only on records from stations that have 10 or more years of observation. Reference letters, ᵃ, ᵇ, ᶜ, appearing in the tables indicate number of days missing: for example, ᵇ represents two days, etc. T. Precipitation is less than 0.005 inch rain or snow. †Also on other dates. *Estimated. ‡Partially interpolated. ‡‡Post-office addresses of these stations are as follows: Diamond Springs, Norfolk; Lincoln, Purcellville; Mount Weather, Bluemont; Wallaceton, Hickory; Pinnacles, Meadows of Dan; Balcony Falls, Glasgow; Big Meadows, Luray; Moores Creek Dam, Lexington; North River Dam, Staunton. Figures and letters following station name indicate distance and direction of station from the city Post Office. § Also December.

## Monthly and Annual Precipitation for the Year 1947 with Departures from the Normal

| Stations | January Precipitation | January Departure | February Precipitation | February Departure | March Precipitation | March Departure | April Precipitation | April Departure | May Precipitation | May Departure | June Precipitation | June Departure | July Precipitation | July Departure | August Precipitation | August Departure | September Precipitation | September Departure | October Precipitation | October Departure | November Precipitation | November Departure | December Precipitation | December Departure | Annual Precipitation | Annual Departure |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Tidewater* | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Camp Lee | 3.80 | .... | 1.70 | .... | 2.11 | .... | 1.58 | .... | 3.10 | .... | 6.47 | .... | 3.66 | .... | 3.56 | .... | 4.89 | .... | 2.99 | .... | 6.72 | .... | 1.43 | .... | 42.01 | .... |
| Cape Henry | 3.37 | +0.22 | 1.55 | −1.68 | 3.59 | −0.28 | 3.46 | +0.16 | 1.40 | −2.17 | 4.77 | +0.81 | 3.66 | −2.36 | 5.86 | +1.00 | 4.53 | +1.67 | 0.75 | −2.26 | 4.82 | +2.46 | 2.31 | −1.18 | 39.42 | −3.56 |
| Capron | 4.13 | .... | 1.35 | .... | 2.00 | .... | 3.37 | .... | 4.53 | .... | 5.91 | .... | 3.51 | .... | 1.73 | .... | 3.53 | .... | 4.27 | .... | 4.24 | .... | 1.53 | .... | 40.07 | .... |
| Cheriton | 3.59 | −0.22 | 1.02 | −1.93 | 3.06 | −0.50 | 3.59 | −0.17 | 2.21 | −0.96 | 2.89 | −0.82 | 3.52 | −1.56 | 3.91 | −1.10 | 6.14 | +1.80 | 2.53 | −0.26 | 5.10 | +2.26 | 2.58 | −0.11 | 40.14 | −3.57 |
| Dahlgren | 3.30 | +0.45 | 0.72 | −1.77 | 1.42 | −1.93 | 2.37 | −1.04 | 3.60 | +0.47 | 6.09 | +2.22 | 1.78 | −2.46 | 1.85 | −3.29 | 3.52 | +0.83 | 1.45 | −0.94 | 3.03 | +1.08 | 0.84 | −2.25 | 29.97 | −8.63 |
| Diamond Springs | 4.50 | +0.96 | 1.35 | −1.99 | 4.22 | +0.60 | 3.23 | −0.04 | 1.50 | −2.65 | 4.90 | −0.21 | 6.02 | +0.48 | 2.36 | −1.92 | 4.52 | +0.81 | 1.42 | −1.52 | 5.78 | +3.47 | 2.44 | −1.71 | 42.24 | −3.77 |
| Emporia | 4.88 | +0.56 | 1.46 | −2.00 | 2.01 | −1.67 | 2.15 | −1.56 | 3.03 | −1.31 | 7.82 | +3.41 | 5.02 | −0.46 | 4.27 | −2.46 | 3.56 | −0.04 | 1.59 | −0.81 | 6.21 | +2.31 | 1.44 | −1.38 | 41.94 | −4.91 |
| Holland. | 5.67 | +1.77 | 1.12 | −2.42 | 2.91 | −0.94 | 2.63 | −1.08 | 3.02 | −0.08 | 5.72 | +0.72 | 6.65 | −0.61 | 4.77 | −1.83 | 5.91 | +2.10 | 2.80 | +0.56 | 5.79 | +3.15 | 2.36 | −0.06 | 49.35 | +1.28 |
| Hopewell | 3.59 | +0.61 | 1.56 | −1.45 | 1.59 | −2.31 | 1.52 | −1.88 | 2.43 | −1.24 | 7.02 | +2.20 | 2.48 | −1.84 | 1.65 | −3.03 | 4.99 | +1.60 | 1.61 | −1.05 | 6.37 | +4.25 | 1.27 | −2.25 | 36.08 | −3.69 |
| Langley Field | 2.86 | −0.11 | 1.16 | −2.18 | 3.39 | −0.18 | 3.93 | +0.95 | 1.51 | −1.88 | 2.86 | −1.41 | 1.65 | −3.43 | 1.43 | −3.10 | 7.11 | +4.34 | 3.06 | +0.56 | 6.92 | +4.78 | 2.70 | −0.35 | 38.58 | −2.00 |
| Norfolk | 4.18 | +1.08 | 1.26 | −1.96 | 3.51 | −0.23 | 2.92 | −0.31 | 1.86 | −1.95 | 3.89 | −0.33 | 8.28 | +2.55 | 2.17 | −3.05 | 4.01 | +0.78 | 1.47 | −1.57 | 6.25 | +4.09 | 2.35 | −0.99 | 42.18 | −1.91 |
| Onley | 8.37 | +5.34 | 2.63 | −1.03 | 3.78 | −0.19 | 2.62 | −0.64 | 0.90 | −2.84 | 1.87 | −1.47 | 5.10 | +0.82 | 4.17 | −0.89 | 5.39 | +2.28 | 2.85 | −0.45 | 5.50 | +3.34 | 2.60 | −1.08 | 45.78 | +3.71 |
| Richmond | 3.86 | +0.65 | 2.01 | −1.16 | 2.80 | −1.38 | 2.20 | −1.29 | 3.47 | −0.32 | 4.49 | +0.59 | 2.87 | −1.86 | 2.52 | −1.90 | 7.03 | +3.76 | 1.81 | −1.07 | 5.17 | +2.96 | 1.47 | −1.82 | 39.20 | −2.82 |
| Richmond, Byrd Airport | 4.31 | .... | 1.43 | .... | 2.22 | .... | 2.53 | .... | 4.69 | .... | 4.48 | .... | 3.33 | .... | 1.87 | .... | 6.38 | .... | 2.37 | .... | 7.03 | .... | 1.56 | .... | 42.20 | .... |
| Suffolk | 4.57 | .... | 1.18 | .... | 3.87 | .... | 2.43 | .... | 2.81 | .... | 4.16 | .... | 5.28 | .... | 2.73 | .... | 4.23 | .... | 2.13 | .... | 6.32 | .... | 2.28 | .... | 41.49 | .... |
| Urbanna | 4.45 | +0.94 | 2.00 | −1.84 | 1.85 | −2.28 | 2.22 | −1.69 | 2.70 | −0.62 | 2.73 | −1.54 | 2.41 | −3.59 | 2.51 | −2.03 | 8.49 | +5.11 | 3.19 | −0.24 | 5.45 | +3.35 | 1.85 | −1.58 | 39.85 | −6.01 |
| Walkerton | 5.62 | +1.00 | 1.26 | −1.73 | 2.12 | −1.65 | 2.60 | −0.83 | 3.39 | +0.54 | 4.54 | +0.47 | 3.78 | −1.22 | 1.48 | −3.44 | 9.11 | +5.47 | 1.51 | −1.23 | 5.28 | +2.34 | 1.92 | −0.95 | 42.56 | −1.23 |
| Wallaceton, 3 miles west | 4.88 | +1.28 | 1.22 | −2.66 | 3.92 | −0.33 | 3.49 | −0.67 | 2.02 | −1.81 | 4.28 | −0.62 | 8.67 | +1.49 | 1.05 | −4.39 | 4.97 | +0.93 | 1.11 | −1.86 | 8.10 | +5.20 | 2.77 | −1.27 | 46.48 | −4.71 |
| Williamsburg | 4.30 | +0.56 | 1.77 | −1.61 | 2.39 | −1.64 | 1.44 | −2.34 | 3.44 | −0.45 | 1.66 | −3.05 | 1.98 | −4.22 | 1.62 | −4.21 | 6.03 | +2.79 | 2.12 | −0.69 | 4.86 | +2.46 | 1.60 | −1.71 | 33.21 | −14.11 |
| *Middle Virginia* | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Appomattox | 5.13 | .... | 2.05 | .... | 2.46 | .... | 3.40 | .... | 3.49 | .... | 8.49 | .... | 3.75 | .... | 3.86 | .... | 4.28 | .... | 4.13 | .... | 4.07 | .... | 1.02 | .... | 41.13 | .... |
| Bedford | 6.87 | +3.80 | 1.28 | −1.82 | 2.63 | −0.89 | 4.43 | +1.42 | 3.96 | +0.76 | 5.08 | +0.83 | 4.96 | +0.28 | 6.33 | +2.29 | 3.13 | −0.01 | 4.97 | +1.61 | 5.58 | +3.20 | 1.05 | −2.62 | 49.34 | +8.85 |
| Blackstone | 3.81 | .... | 1.86 | .... | 2.37 | .... | 2.11 | .... | 3.49 | .... | 3.38 | .... | 4.74 | .... | 0.79 | .... | 8.24 | .... | 2.86 | .... | 6.87 | .... | 1.12 | .... | 41.64 | .... |
| Charlotte Court House. | 5.01 | .... | 2.20 | .... | 2.35 | .... | 2.65 | .... | 2.37 | .... | 2.17 | .... | 4.92 | .... | 3.50 | .... | 8.67 | .... | 3.36 | .... | 5.26 | .... | 1.25 | .... | 42.95 | .... |
| Charlottesville, 2 miles W. | 4.92 | +1.57 | 1.23 | −1.57 | 2.83 | 0.64 | 3.23 | −0.29 | 3.70 | −0.26 | 7.20 | +1.91 | 4.63 | +0.30 | 2.19 | −2.93 | 3.11 | −0.10 | 2.60 | −1.03 | 5.53 | +3.07 | 1.09 | −2.37 | 42.26 | −2.35 |
| Chatham | 5.02 | +1.54 | 1.56 | −1.62 | 2.13 | −1.62 | 3.58 | +0.23 | 3.20 | −0.60 | 1.49 | −2.28 | 2.79 | −1.44 | 3.32 | −0.83 | 6.02 | +2.60 | 2.67 | −0.25 | 5.31 | +2.78 | 0.81 | −2.66 | 37.90 | −4.15 |
| Clarendon | 4.11 | +0.93 | 1.55 | −1.03 | 1.19 | −2.22 | 2.08 | −1.48 | 5.37 | +1.82 | 5.91 | +1.23 | 5.08 | +0.53 | 2.84 | −1.81 | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| Clarksville | 5.36 | +2.07 | 1.81 | −1.56 | 2.75 | −0.91 | 3.62 | +0.22 | 4.67 | +0.80 | 2.73 | −1.50 | 3.05 | −1.15 | 3.08 | −1.55 | 7.02 | +3.94 | 3.04 | +0.23 | 6.73 | +4.52 | 1.20 | −2.30 | 45.06 | +2.81 |
| Columbia | 4.57 | +1.22 | 1.97 | −0.77 | 2.37 | −1.22 | 2.47 | −1.00 | 2.75 | −0.87 | 2.66 | −1.28 | 3.35 | −0.91 | 3.33 | −1.20 | 5.12 | +2.15 | 2.77 | −0.52 | 4.68 | +2.35 | 1.02 | −2.13 | 37.06 | −4.18 |
| Crozet | 3.80 | .... | 1.96 | .... | 2.03 | .... | 2.53 | .... | 2.44 | .... | 5.39 | .... | 4.72 | .... | 6.82 | .... | 4.61 | .... | 2.48 | .... | 4.45 | .... | 1.02 | .... | 42.25 | .... |
| Culpeper | 4.08 | +1.09 | 1.78 | −0.62 | 2.25 | −0.65 | 3.08 | −0.28 | 5.71 | +1.69 | 2.87 | −2.10 | 7.24 | +3.42 | 2.45 | −2.35 | 5.52 | +2.28 | 1.31 | −1.85 | 6.40 | +3.91 | 0.82 | −2.30 | 43.51 | +2.24 |
| Danville | 5.74 | +2.42 | 1.74 | −1.45 | 2.89 | −0.83 | 3.00 | −0.38 | 4.50 | +0.92 | 2.16 | −1.88 | 4.25 | +0.06 | 2.44 | −2.00 | 7.87 | +4.76 | 3.63 | +0.71 | 5.69 | +3.46 | 1.36 | −2.23 | 45.26 | +3.51 |
| Elkwood | 4.12 | .... | 1.70 | .... | 1.83 | .... | 2.25 | .... | 3.83 | .... | 3.19 | .... | 5.02 | .... | 0.70 | .... | 5.04 | .... | 1.18 | .... | 4.55 | .... | 1.01 | .... | 34.42 | .... |
| Farmville | 6.31 | +3.47 | 2.75 | 0.00 | 2.68 | −1.38 | 3.68 | +0.63 | 2.96 | −0.91 | 2.98 | −1.60 | 4.01 | −0.18 | 1.05 | −2.98 | 6.45 | +3.72 | 3.49 | +0.21 | 4.80 | +2.46 | 1.24 | −1.92 | 42.40 | +1.52 |
| Fredericksburg,4 miles SW | 4.61 | +1.27 | 1.67 | −1.05 | 1.39 | −2.19 | 2.13 | −1.37 | 3.42 | −0.32 | 4.13 | −0.08 | 3.85 | −0.51 | 1.10 | −3.88 | 4.78 | +1.62 | 1.14 | −2.07 | 5.32 | +3.21 | 1.61 | −1.53 | 35.15 | −6.90 |
| Gordonsville | 3.78 | .... | 1.85 | .... | 2.09 | .... | 2.58 | .... | 2.32 | .... | 2.42 | .... | 3.14 | .... | 2.71 | .... | 3.14 | .... | 0.33 | .... | 6.58 | .... | 0.30 | .... | 31.10 | .... |
| Halifax | 4.17 | +0.34 | 1.80 | −1.29 | 2.71 | −1.39 | 2.65 | −0.88 | 2.52 | −1.41 | 1.81 | −2.94 | 4.13 | −1.41 | 2.31 | −2.42 | 9.08 | +6.44 | 4.64 | +2.19 | 6.45 | +3.21 | 1.42 | −1.87 | 43.69 | −1.43 |
| Lawrenceville | 2.97 | .... | 1.34 | .... | 2.05 | .... | 1.89 | .... | 4.11 | .... | 2.66 | .... | 4.06 | .... | 2.30 | .... | 3.40 | .... | 1.36 | .... | 7.07 | .... | 1.33 | .... | 34.34 | .... |
| Lincoln | 3.19 | +0.19 | 2.11 | −0.50 | 1.96 | −1.12 | 3.19 | −0.12 | 3.89 | +0.29 | 8.00 | −1.73 | 5.19 | +1.75 | 4.93 | +0.67 | 3.26 | +0.62 | 1.26 | −1.75 | 3.90 | +1.55 | 1.27 | −1.47 | 37.15 | −1.62 |
| Louisa | 5.38 | +2.26 | 2.36 | −0.28 | 2.16 | −1.22 | 1.95 | −1.19 | 3.09 | −0.73 | 4.16 | +0.02 | 3.71 | −1.23 | 3.02 | −1.48 | 3.90 | +0.83 | 1.66 | −1.62 | 5.96 | +3.70 | 0.96 | −2.12 | 37.77 | −3.06 |
| Lynchburg | 4.20 | +0.77 | 0.64 | −2.51 | 3.06 | −0.48 | 2.93 | −0.02 | 2.99 | −0.64 | 4.15 | +0.36 | 4.04 | −0.17 | 3.48 | −0.30 | 2.96 | −0.35 | 3.13 | −0.02 | 4.13 | +1.80 | 0.89 | −2.37 | 36.60 | −3.93 |
| Manassas, 4 miles south | 4.19 | +1.07 | 1.97 | −1.12 | 1.16 | −1.90 | 1.96 | −1.09 | 4.19 | +0.46 | 4.61 | +1.04 | 3.24 | −0.57 | 2.31 | −2.61 | 8.77 | +1.19 | 1.23 | −1.28 | 4.55 | +2.18 | 1.15 | −1.73 | 34.27 | −4.36 |
| Martinsville | 6.29 | +2.15 | 1.45 | −2.04 | 8.08 | −1.25 | 3.09 | −0.51 | 3.95 | +0.24 | 3.68 | −0.57 | 3.32 | −2.88 | 3.33 | −1.96 | 4.95 | +2.71 | 6.49 | +3.04 | 5.10 | +2.14 | 1.33 | −2.24 | 46.06 | −1.17 |
| Mount Weather | 3.88 | +0.92 | 1.72 | −0.60 | 1.47 | −1.38 | 1.29 | −2.35 | 6.94 | +3.14 | 4.51 | +0.25 | 4.65 | +0.99 | 8.33 | +3.89 | 3.13 | −0.09 | 1.80 | −1.91 | 4.62 | +2.06 | 1.31 | −1.27 | 43.55 | +3.65 |
| New Canton | 4.57 | +1.02 | 1.99 | −0.96 | 2.44 | −1.39 | 3.10 | −0.22 | 2.62 | −0.89 | 2.29 | −1.44 | 3.25 | −0.64 | 0.43 | −4.50 | 4.28 | +1.25 | 2.16 | −1.02 | 4.74 | +2.30 | 1.14 | −2.16 | 33.01 | −8.47 |
| Orange | 3.73 | +0.70 | 2.25 | −0.35 | 2.18 | −1.01 | 2.44 | −0.90 | 3.67 | +0.01 | 2.89 | −1.87 | 2.66 | −1.94 | 1.70 | −2.92 | 5.61 | +2.35 | 0.98 | −2.10 | 7.93 | +5.49 | 0.98 | −2.23 | 37.02 | −4.77 |
| Piedmont Field Station | 3.92 | .... | 1.30 | .... | 1.76 | .... | 2.53 | .... | 2.58 | .... | 3.15 | .... | 1.82 | .... | 1.38 | .... | 3.11 | .... | 1.14 | .... | 6.55 | .... | 0.90 | .... | 31.46 | .... |
| Pinnacles | 5.60 | +1.01 | 1.59 | −1.81 | 2.99 | −1.38 | 4.63 | −0.17 | 4.14 | −0.55 | 11.92 | +5.50 | 2.28 | −5.51 | 6.37 | −1.47 | 4.70 | +0.74 | 9.09 | +5.54 | 4.21 | 0.00 | 1.01 | −3.26 | 57.33 | −1.36 |
| Quantico | 4.06 | +0.98 | 0.79 | −1.85 | 1.02 | −2.30 | 1.61 | −1.64 | 2.38 | −0.75 | 4.36 | +0.54 | 2.74 | −1.23 | 2.84 | −1.62 | 3.57 | +0.57 | 0.96 | −2.00 | 3.72 | +1.62 | 1.40 | −1.43 | 29.45 | −9.11 |
| Randolph | 9.07 | +5.30 | 1.88 | −1.30 | 2.12 | −1.58 | 3.70 | +0.85 | 2.84 | −0.79 | 0.80 | −3.06 | 3.87 | −0.69 | 5.81 | +1.49 | 10.51 | +7.75 | 2.80 | −0.20 | 10.05 | +7.69 | 1.61 | −1.65 | 55.06 | +13.44 |
| Rockymount | 6.08 | +2.72 | 1.30 | −1.91 | 2.86 | −1.08 | 1.99 | −1.34 | 2.99 | −0.68 | 3.65 | −1.19 | 4.71 | −0.08 | 2.83 | −1.82 | 5.80 | +2.18 | 5.78 | +1.92 | 5.14 | +2.71 | 1.05 | −2.66 | 44.18 | −1.23 |
| Washington, D.C. | 3.72 | +0.17 | 1.65 | −1.62 | 1.24 | −2.51 | 3.37 | +0.10 | 4.05 | +0.35 | 5.76 | +1.63 | 5.85 | +0.61 | 3.68 | −0.33 | 3.70 | +0.46 | 1.31 | −1.53 | 5.09 | +2.72 | 1.47 | −1.85 | 40.39 | −1.77 |
| *Great Valley* | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Afton | 4.86 | +1.00 | 1.40 | −1.12 | 2.22 | −1.43 | 1.96 | −1.91 | 2.19 | −1.23 | 8.74 | +0.15 | 5.62 | +0.30 | 2.66 | −3.20 | 3.61 | +0.64 | 3.53 | −0.63 | 4.25 | +0.99 | 0.65 | −2.40 | 36.89 | −8.84 |
| Balcony Falls | 5.94 | +1.58 | 1.70 | −1.31 | 2.62 | −1.30 | 3.31 | −0.52 | 2.87 | −0.71 | 3.00 | −1.06 | 4.99 | +1.21 | 5.81 | +0.23 | 2.60 | +0.23 | 5.62 | +2.21 | 4.61 | +1.25 | 1.03 | −1.78 | 43.60 | −0.02 |
| Big Meadows | 4.00 | +0.32 | 2.30 | −0.69 | 2.45 | −1.40 | 2.06 | −2.45 | 4.33 | +0.58 | 6.63 | +2.36 | 5.34 | −0.18 | 3.37 | −2.30 | 7.63 | +3.73 | 3.55 | −2.13 | 7.56 | +3.84 | 0.45 | −3.23 | 49.67 | −1.55 |
| Blacksburg | 6.06 | +2.77 | 1.67 | −1.41 | 2.33 | −1.35 | 2.57 | −0.62 | 3.19 | −0.49 | 4.26 | −0.22 | 4.60 | −0.60 | 4.64 | +0.54 | 3.82 | +0.61 | 5.10 | +1.90 | 2.62 | +0.31 | 0.50 | −2.94 | 41.46 | −1.50 |
| Buchanan | 6.46 | +2.81 | 1.55 | −1.17 | 2.52 | −0.90 | 3.26 | +0.06 | 2.37 | −1.09 | 4.94 | +0.60 | 3.17 | −1.19 | 5.07 | +0.26 | 4.17 | +1.02 | 4.91 | +1.20 | 3.73 | +3.02 | 1.00 | −2.21 | 45.13 | +2.41 |
| Burkes Garden | 8.74 | +5.13 | 3.71 | +0.27 | 5.61 | +0.93 | 1.98 | −1.78 | 2.89 | −1.40 | 3.94 | −1.79 | 1.62 | −2.78 | 8.56 | +4.14 | 2.82 | −0.60 | 2.46 | −0.75 | 2.55 | −0.21 | 1.45 | −2.30 | 45.33 | −1.14 |
| Catawba Sanatorium | 6.11 | +3.17 | 1.55 | −1.24 | 2.49 | −1.00 | 2.78 | −0.26 | 3.20 | −0.27 | 3.52 | −1.23 | 2.77 | −1.64 | 8.89 | +4.14 | 4.29 | +0.83 | 8.56 | +4.89 | 4.03 | +1.61 | 0.77 | −2.25 | 48.96 | +6.75 |
| Clifton Forge | 5.38 | +2.34 | 1.83 | −1.17 | 2.17 | −1.60 | 2.16 | −0.46 | 2.69 | −0.89 | 5.91 | +2.56 | 4.62 | +0.78 | 5.60 | +1.60 | 4.31 | +1.55 | 3.79 | +0.52 | 4.13 | +1.37 | 1.13 | −1.50 | 43.72 | +5.10 |
| Clinchport | 10.49 | +6.65 | 2.08 | −1.95 | 4.05 | −0.94 | 2.10 | −1.74 | 1.85 | −2.22 | 4.60 | +0.04 | 2.90 | −2.07 | 6.22 | +1.55 | 2.08 | −1.27 | 2.12 | −0.62 | 3.46 | +0.54 | 2.45 | −2.17 | 44.40 | −4.77 |
| Dale Enterprise | 2.58 | −0.06 | 1.44 | −0.79 | 1.52 | −1.39 | 1.39 | −1.43 | 2.88 | −1.14 | 5.44 | +0.65 | 4.19 | −0.24 | 2.20 | −1.98 | 3.62 | +1.06 | 1.37 | −1.33 | 3.16 | +1.20 | 0.74 | −1.85 | 30.03 | −7.30 |
| Damascus | 8.19 | +5.08 | 2.08 | −1.49 | 2.89 | −1.24 | 2.98 | −0.62 | 2.70 | −1.58 | 4.76 | +0.80 | 3.50 | −1.98 | 5.27 | +0.75 | 4.86 | +1.66 | 3.12 | +0.64 | 3.44 | +1.15 | 0.95 | −1.71 | 44.74 | +1.46 |
| Dante | 7.22 | +3.28 | 2.37 | −1.05 | 2.00 | −2.84 | 2.03 | −2.11 | 1.68 | −3.56 | 4.91 | −0.05 | 7.14 | +1.70 | 6.51 | +1.57 | 3.28 | −0.70 | 0.80 | −2.24 | 2.85 | −0.12 | 1.69 | −2.22 | 42.48 | −8.34 |
| Deerfield | 4.27 | +1.29 | 1.10 | −1.00 | 2.33 | −0.96 | 1.87 | −1.82 | 1.90 | −0.90 | 4.23 | +0.39 | 7.71 | +2.88 | 3.92 | +0.04 | 2.67 | −0.05 | 1.55 | −1.33 | 2.78 | +0.38 | 1.37 | −1.50 | 35.70 | −2.08 |
| Emory | 8.40 | +4.51 | 1.90 | −1.69 | 2.60 | −2.08 | 2.98 | −0.63 | 1.39 | −2.59 | 4.52 | +0.66 | 3.73 | −0.87 | 3.15 | −2.06 | 2.83 | +0.15 | 2.12 | −0.56 | 2.39 | +0.09 | 1.53 | −1.80 | 37.54 | −6.87 |
| Floyd | 6.44 | +2.10 | 1.82 | −1.82 | 1.81 | −1.50 | 4.59 | +1.37 | 4.00 | +0.07 | 9.77 | +5.45 | 2.37 | −2.56 | 3.61 | −2.39 | 4.30 | +0.66 | 5.73 | +2.91 | 3.15 | +0.37 | 0.84 | −2.39 | 47.93 | +2.27 |
| Front Royal | 2.62 | .... | 1.34 | .... | 1.49 | .... | 2.56 | .... | 4.87 | .... | 1.99 | .... | 4.03 | .... | 1.69 | .... | 0.94 | .... | 3.25 | .... | 0.94 | .... | 0.73 | .... | 29.63 | .... |
| Glen Lyn | 6.17 | +2.86 | 1.40 | −1.57 | 1.79 | −1.83 | 1.54 | −1.20 | 2.06 | −1.34 | 2.29 | −1.25 | 2.22 | −1.49 | 7.32 | +3.24 | 3.14 | +0.56 | 1.64 | −1.32 | 1.58 | −0.64 | 0.58 | −2.48 | 31.73 | −6.46 |
| Hot Springs | 5.08 | +1.83 | 1.63 | −0.93 | 1.94 | −1.69 | 1.79 | −1.55 | 2.58 | −1.07 | 2.62 | −1.89 | 5.81 | +1.57 | 4.98 | +0.82 | 4.43 | +1.32 | 4.03 | +0.56 | 4.38 | +1.87 | 1.35 | −1.70 | 40.57 | −0.86 |
| Ivanhoe | 4.08 | +0.84 | 1.30 | −1.26 | 2.83 | −0.46 | 2.09 | −0.98 | 2.33 | −1.14 | 3.36 | −0.88 | 2.41 | −1.86 | 6.15 | +1.70 | 3.96 | +1.12 | 5.87 | +2.75 | 3.46 | +1.16 | 0.80 | −2.08 | 38.64 | −1.09 |
| Lexington | 5.77 | +2.78 | 1.47 | −1.20 | 2.56 | −0.87 | 2.86 | −0.08 | 2.21 | −1.11 | 4.52 | +0.40 | 6.09 | +2.20 | 5.03 | +0.94 | 5.21 | +2.47 | 2.02 | −1.11 | 4.13 | +1.98 | 1.22 | −1.89 | 43.09 | +4.51 |
| Luray | 3.04 | .... | 1.93 | .... | 1.46 | .... | 1.01 | .... | 3.10 | .... | 3.94 | .... | 3.94 | .... | 4.93 | .... | 2.41 | .... | 7.11 | .... | 0.73 | .... | .... | .... | 38.34 | .... |
| Mendota | 9.24 | +4.86 | 1.80 | −1.86 | 2.60 | −2.06 | 2.06 | −1.84 | 2.14 | −1.95 | 4.06 | −0.34 | 3.20 | −1.92 | 8.31 | +4.08 | 2.91 | −0.18 | 2.61 | −0.44 | 2.82 | +0.14 | 1.88 | −2.05 | 43.63 | −3.56 |
| Monterey | 4.08 | +0.58 | 1.69 | −1.22 | 2.60 | −1.67 | 2.05 | −1.28 | 4.07 | −0.37 | 3.21 | −1.28 | 3.59 | −1.23 | 4.37 | −0.07 | 2.86 | +0.22 | 2.69 | −0.53 | 4.58 | +2.19 | 0.99 | −2.91 | 36.78 | −6.97 |
| Moores Creek Dam | 4.70 | .... | 1.65 | .... | 3.75 | .... | 2.40 | .... | 1.79 | .... | 3.13 | .... | 6.81 | .... | 2.86 | .... | 4.04 | .... | 2.75 | .... | 1.50 | .... | 0.81 | .... | 35.69 | .... |
| Mountain Lake, NW. end. | 6.48 | +2.78 | 3.81 | +0.60 | 4.56 | −0.10 | 3.51 | −0.21 | 3.17 | −1.14 | 3.75 | −1.34 | 4.33 | −1.20 | 6.50 | +0.93 | 4.64 | +1.54 | 6.15 | +2.31 | 2.57 | −0.20 | 0.57 | −2.79 | 50.04 | +1.21 |
| North River Dam | 3.65 | +0.55 | 1.98 | −0.60 | 2.04 | −1.36 | 1.54 | −2.20 | 3.19 | −0.37 | 4.22 | −0.17 | 7.02 | +1.18 | 3.55 | −1.87 | 3.46 | +0.80 | 2.37 | −0.99 | 3.84 | +1.20 | 1.02 | −1.44 | 37.88 | −5.27 |
| Pennington Gap | 10.29 | +4.96 | 1.96 | −2.58 | 3.29 | −2.24 | 2.76 | −1.56 | 3.00 | −0.29 | 6.66 | +2.33 | 4.22 | −1.61 | 5.93 | +1.84 | 1.74 | +0.01 | 1.67 | −1.04 | 3.61 | +0.94 | 2.14 | −2.00 | 47.27 | −1.24 |
| Pulaski Airport | 5.68 | .... | 1.48 | .... | 2.59 | .... | 3.05 | .... | 2.40 | .... | 6.13 | .... | 2.13 | .... | 2.97 | .... | 3.18 | .... | 3.10 | .... | 2.81 | .... | 0.40 | .... | 34.92 | .... |
| Radford | 6.59 | +3.49 | 1.65 | −0.96 | 3.54 | +0.40 | 2.43 | −0.25 | 3.34 | +0.17 | 3.64 | +0.17 | 3.86 | −0.95 | 3.39 | +0.27 | 3.64 | +0.97 | 4.89 | +1.91 | 1.96 | 0.00 | 0.71 | −2.17 | 39.14 | +3.05 |
| Riverton | 2.22 | −0.24 | 1.79 | −0.65 | 1.07 | −1.51 | 1.12 | −1.79 | 5.84 | +2.37 | 2.12 | −1.50 | 4.47 | +1.45 | 3.46 | −0.22 | 2.57 | −0.58 | 1.26 | −2.25 | 3.07 | +0.73 | 0.51 | −2.33 | 29.56 | −6.52 |
| Roanoke | 5.48 | +2.38 | 1.74 | −1.04 | 2.33 | −0.99 | 2.91 | +0.01 | 2.55 | −0.83 | 7.02 | +2.66 | 4.62 | +0.44 | 5.41 | −1.48 | 3.88 | +0.68 | 7.26 | +3.44 | 4.27 | +2.06 | 0.80 | −2.30 | 48.27 | +7.99 |
| Saltville | 8.25 | +4.53 | 2.32 | −1.40 | 3.00 | −1.41 | 2.06 | −1.62 | 2.03 | −1.86 | 6.93 | +1.84 | 3.21 | −1.48 | 8.56 | +4.31 | 4.46 | +1.22 | 2.66 | −0.42 | 3.06 | +0.54 | 2.21 | −2.08 | 48.78 | +2.17 |
| Staunton | 4.89 | +2.05 | 1.18 | −1.16 | 2.25 | −0.89 | 1.64 | −1.38 | 1.51 | −1.79 | 4.01 | −0.21 | 4.46 | +0.23 | 3.15 | −0.94 | 2.82 | −0.03 | 2.69 | −0.27 | 4.47 | +2.38 | 0.72 | −1.92 | 33.79 | −3.93 |
| Timberville | 2.63 | +0.15 | 1.25 | −1.15 | 1.29 | −1.66 | 1.39 | −2.10 | 2.79 | −0.37 | 3.55 | −0.41 | 1.34 | −2.37 | 2.13 | −0.98 | 0.76 | −2.22 | 3.43 | +1.31 | 0.73 | −1.39 | 2.48 | .... | 24.80 | −11.23 |
| Winchester | 2.75 | +0.22 | 1.10 | −0.99 | 1.44 | −1.44 | 1.58 | −1.57 | 4.99 | +1.15 | 5.71 | +1.49 | 4.95 | +1.49 | 3.47 | −0.21 | 1.24 | −1.10 | 1.28 | −1.60 | 3.74 | +1.68 | 0.61 | −2.03 | 32.86 | −2.91 |
| Woodstock | 2.40 | −0.13 | 0.81 | −1.15 | 1.48 | −1.30 | 1.52 | −1.18 | 3.98 | +0.69 | 2.11 | −1.80 | 3.89 | +0.53 | 1.83 | −1.95 | 1.78 | −0.71 | 1.41 | −1.25 | 4.27 | +2.47 | 0.69 | −1.59 | 26.20 | −7.37 |
| Wytheville | 6.00 | +2.92 | 1.34 | −1.65 | 2.23 | −1.21 | 2.91 | −0.08 | 2.81 | −0.85 | 3.87 | −0.33 | 1.37 | −2.63 | 7.30 | +3.11 | 3.03 | −0.27 | 3.57 | +0.73 | 3.86 | +1.22 | 0.87 | −2.05 | 38.66 | −1.09 |
| State | 5.04 | +1.77 | 1.59 | −1.46 | 2.39 | −1.24 | 2.47 | −0.79 | 3.34 | −0.39 | 4.36 | +0.21 | 3.93 | −0.76 | 4.05 | −0.35 | 4.31 | +1.07 | 2.97 | 0.00 | 4.60 | +2.14 | 1.25 | −1.78 | 40.30 | −1.58 |

NOTE.—In this publication, annual means are computed from data for all stations: except those in supplemental table; whereas, in monthly reports, means may not include all stations, as in some cases reports are not received in time to be used in the computations. All means include the interpolated values. *Italics* interpolated.

## Monthly and Annual Mean Temperatures for the Year 1947 with Departures from the Normal

| Stations | Jan Temp | Jan Dep | Feb Temp | Feb Dep | Mar Temp | Mar Dep | Apr Temp | Apr Dep | May Temp | May Dep | Jun Temp | Jun Dep | Jul Temp | Jul Dep | Aug Temp | Aug Dep | Sep Temp | Sep Dep | Oct Temp | Oct Dep | Nov Temp | Nov Dep | Dec Temp | Dec Dep | Ann Temp | Ann Dep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Tidewater** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Camp Lee | 42.8 | | 32.2 | | 38.8 | | 54.4 | | 68.6 | | 72.6 | | 74.8 | | 78.2 | | 71.0 | | 64.6 | | 46.0 | | 37.7 | | 56.8 | |
| Cape Henry | 48.4 | +8.2 | 36.2 | −5.0 | 41.8 | −4.8 | 57.8 | +3.2 | 67.3 | +3.1 | 72.4 | −0.5 | 76.0 | −1.5 | 77.6 | +0.7 | 74.4 | +2.6 | 66.2 | +4.1 | 52.2 | +0.1 | 42.4 | −1.3 | 59.4 | +0.8 |
| Capron | 45.5 | | 34.0 | | 40.3 | | 57.7 | | 66.4 | | 72.6 | | 73.7 | | 75.6 | | 70.3 | | 61.8 | | 46.5 | | 39.3 | | 57.0 | |
| Cheriton | 47.1 | | 38.6 | | 42.0 | | 58.4 | | 68.5 | | 73.7 | | 77.3 | | 79.1 | | 73.6 | | 67.4 | | 50.0 | | 41.8 | | 59.8 | |
| Dahlgren | 42.0 | +5.5 | 32.2 | −5.5 | 39.2 | −6.4 | 56.1 | +2.1 | 64.8 | +1.2 | 71.7 | −1.4 | 75.6 | −1.3 | 78.4 | +3.2 | 71.4 | +1.5 | 63.2 | +5.3 | 45.6 | −2.1 | 36.0 | −3.0 | 56.4 | 0.0 |
| Diamond Springs | 49.0 | +5.3 | 38.5 | −5.2 | 42.6 | −7.7 | 60.2 | +2.4 | 70.2 | +3.9 | 74.5 | +0.4 | 77.5 | −0.2 | 79.1 | +2.1 | 74.6 | +2.0 | 66.9 | +4.3 | 51.0 | −1.5 | 42.4 | −2.1 | 60.5 | +0.3 |
| Holland | 47.9 | +7.0 | 35.6 | −4.7 | 41.6 | −7.9 | 59.4 | +2.1 | 68.4 | +1.5 | 72.7 | −2.2 | 75.0 | −3.1 | 77.4 | +0.6 | 72.1 | +0.7 | 65.0 | +4.6 | 48.4 | −2.3 | 40.5 | −1.7 | 58.6 | −0.5 |
| Hopewell | 47.2 | +7.3 | 36.7 | −4.1 | 43.0 | −6.1 | 61.2 | +3.7 | 69.6 | +1.9 | 74.4 | −0.9 | 76.7 | −2.3 | 79.9 | +2.6 | 72.8 | +1.0 | 65.6 | +5.7 | 49.0 | −0.6 | 40.4 | −0.6 | 59.7 | +0.6 |
| Langley Field | 47.7 | +7.2 | 35.6 | −5.4 | 41.2 | −6.6 | 58.4 | +2.4 | 68.4 | +2.4 | 73.6 | −0.7 | 76.8 | −1.6 | 79.2 | +1.8 | 74.4 | +2.5 | 65.8 | +4.5 | 49.8 | −0.6 | 41.8 | −0.4 | 59.4 | +0.5 |
| Norfolk | 49.0 | +8.4 | 37.0 | −5.7 | 42.6 | −5.6 | 59.0 | +2.2 | 68.8 | +2.6 | 73.7 | −0.7 | 77.0 | −1.7 | 78.8 | −1.4 | 74.5 | +2.9 | 67.4 | +4.9 | 51.4 | 0.0 | 43.3 | +0.2 | 60.2 | +0.7 |
| Onley | 46.0 | +6.9 | 35.6 | −4.2 | 40.0 | −5.6 | 55.2 | +0.8 | 65.6 | +1.6 | 71.3 | −1.2 | 75.2 | −1.5 | 77.2 | +1.3 | 71.6 | +1.2 | 64.4 | +5.1 | 18.0 | −1.7 | 39.0 | −2.5 | 57.4 | 0.0 |
| Richmond | 45.2 | +7.3 | 34.2 | −5.4 | 41.4 | −5.8 | 58.2 | +1.6 | 67.4 | +0.9 | 72.9 | −1.2 | 75.6 | −2.9 | 79.4 | +2.9 | 71.2 | +0.7 | 64.6 | +5.0 | 47.0 | −1.3 | 39.4 | −0.4 | 58.0 | +0.1 |
| Richmond, Byrd Airport | 44.6 | +8.9 | 33.4 | −5.1 | 40.0 | −6.1 | 57.5 | +1.7 | 67.0 | +1.7 | 72.2 | −1.0 | 74.8 | −2.9 | 78.5 | +2.6 | 70.1 | +1.1 | 63.7 | +5.5 | 46.4 | +0.3 | 38.4 | +0.6 | 57.2 | +0.6 |
| Suffolk | 45.9 | | 34.5 | | 40.6 | | 59.4 | | 68.5 | | 73.1 | | 75.6 | | 78.0 | | 73.0 | | 65.5 | | 48.4 | | 39.6 | | 58.5 | |
| Urbanna | 44.8 | +5.0 | 33.2 | −7.8 | 39.2 | −8.1 | 57.1 | +1.7 | 65.9 | +1.1 | 71.4 | −2.6 | 75.4 | −2.1 | 77.9 | +1.5 | 71.3 | +0.1 | 68.4 | +3.9 | 46.8 | −3.6 | 37.6 | −4.0 | 57.0 | −1.2 |
| Walkerton | 44.1 | +7.2 | 38.8 | −3.4 | 40.1 | −6.3 | 59.0 | +3.6 | 67.9 | +1.8 | 72.6 | −2.0 | 75.5 | −1.7 | 79.0 | +3.4 | 70.7 | +1.0 | 64.2 | +6.0 | 46.9 | −0.7 | 37.0 | −1.8 | 57.6 | +0.6 |
| Williamsburg | 46.4 | +5.0 | 35.8 | −5.0 | 40.6 | −8.5 | 59.4 | +2.7 | 67.0 | +0.9 | 72.1 | −1.5 | 74.8 | −2.6 | 77.9 | +1.7 | 70.8 | −0.1 | 63.8 | +3.4 | 47.4 | −2.3 | 38.9 | −2.3 | 57.9 | −0.7 |
| **Middle Virginia** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bedford | 43.2 | +8.0 | 32.2 | −4.9 | 38.8 | −7.2 | 58.2 | +3.1 | 64.9 | −0.5 | 70.8 | −2.4 | 72.5 | −4.0 | 77.6 | +2.8 | 68.4 | −0.7 | 61.4 | +3.8 | 45.2 | −1.8 | 38.4 | −0.9 | 56.0 | −0.4 |
| Blackstone | 44.0 | | 33.2 | | 40.0 | | 57.8 | | 66.8 | | 72.7 | | 74.9 | | 78.4 | | 69.8 | | 61.0 | | 45.4 | | 39.2 | | 57.3 | |
| Charlotte Court House | 42.3 | | 32.0 | | 38.9 | | 57.3 | | 66.0 | | 72.2 | | 73.3 | | 77.6 | | 69.2 | | 62.6 | | 44.9 | | 38.4 | | 56.2 | |
| Charlottesville, 2 miles W | 41.2 | +4.8 | 31.4 | −6.0 | 38.6 | −7.8 | 57.0 | +1.3 | 66.4 | +0.5 | 71.4 | −1.5 | 74.4 | −2.3 | 78.1 | +3.0 | 69.3 | −0.3 | 63.5 | +4.8 | 44.8 | −3.2 | 37.7 | −0.5 | 56.1 | −0.7 |
| Chatham | 43.0 | +3.7 | 32.1 | −9.5 | 39.5 | −8.2 | 58.2 | +2.1 | 66.2 | +0.5 | 72.4 | −1.7 | 74.0 | −3.4 | 78.0 | +2.3 | 70.2 | −0.2 | 62.0 | +4.0 | 44.8 | −3.2 | 38.2 | −2.8 | 56.6 | −1.3 |
| Clarksville | 45.2 | +7.7 | 34.8 | −5.5 | 59.7 | −8.6 | 58.8 | +2.3 | 67.6 | +1.5 | 72.9 | −1.5 | 74.0 | −3.6 | 78.0 | +1.3 | 74.6 | +4.2 | 63.6 | +5.3 | 47.4 | +0.2 | 38.6 | −0.8 | 57.9 | +0.2 |
| Columbia | 42.4 | +5.4 | 33.0 | −4.5 | 38.7 | −7.9 | 57.6 | +2.3 | 66.2 | +1.1 | 72.0 | −0.5 | 75.4 | −0.9 | 78.8 | +3.9 | 70.3 | +1.4 | 64.0 | +6.7 | 46.0 | −0.6 | 37.4 | −0.6 | 56.8 | +0.5 |
| Crozet | 44.0 | | 33.3 | | 38.2 | | 57.5 | | 64.8 | | 70.4 | | 73.0 | | 76.4 | | 68.8 | | 63.5 | | 46.0 | | 38.8 | | 56.2 | |
| Culpeper | 41.6 | +6.9 | 32.4 | −3.9 | 39.1 | −6.2 | 59.0 | +4.6 | 65.0 | +0.9 | 70.6 | −1.4 | 73.9 | −1.8 | 76.8 | +2.9 | 68.6 | +0.5 | 61.1 | +4.8 | 44.4 | −0.8 | 36.5 | +0.3 | 55.8 | +0.6 |
| Danville | 45.0 | +4.8 | 34.0 | −8.7 | 41.0 | −9.0 | 60.1 | +2.0 | 67.8 | +0.3 | 74.2 | −1.8 | 75.4 | −3.7 | 79.8 | +2.0 | 72.3 | −0.2 | 63.4 | +2.7 | 46.5 | −3.2 | 39.6 | −2.2 | 58.3 | −1.4 |
| Elkwood | 41.8 | | 30.3 | | 36.8 | | 57.0 | | 64.4 | | 69.8 | | 73.2 | | 77.0 | | 67.8 | | 62.0 | | 44.0 | | 34.6 | | 54.9 | |
| Farmville | 44.0 | +5.7 | 33.4 | −5.3 | 38.8 | −8.9 | 58.4 | +2.9 | 65.6 | −0.6 | 71.8 | −2.4 | 74.0 | −4.2 | 78.3 | +0.6 | 70.6 | +0.4 | 63.1 | +4.9 | 45.4 | −2.6 | 37.8 | −1.2 | 56.8 | −0.8 |
| Fredericksburg, 4 miles SW | 42.2 | +5.7 | 31.8 | −5.2 | 38.0 | −8.7 | 57.2 | +2.1 | 64.7 | −0.2 | 70.4 | −2.1 | 75.1 | −1.5 | 78.4 | +3.3 | 70.5 | +1.0 | 65.2 | +7.8 | 45.2 | −2.2 | 36.9 | −1.0 | 56.3 | −0.1 |
| Gordonsville | 40.0 | | 28.9 | | 35.6 | | 54.2 | | 63.4 | | 69.4 | | 73.6 | | 77.3 | | 68.0 | | 60.6 | | 42.2 | | 34.9 | | 54.0 | |
| Lawrenceville | 44.2 | | 33.8 | | 40.0 | | 58.0 | | 66.6 | | 72.4 | | 73.7 | | 76.8 | | 69.6 | | 62.9 | | 46.5 | | 38.1 | | 56.9 | |
| Lee Experimental Forest | 41.9 | | 31.1 | | 37.6 | | 56.5 | | 64.5 | | 69.7 | | 72.6 | | 77.3 | | 68.0 | | 60.0 | | 43.9 | | 34.5 | | 54.8 | |
| Lincoln | 40.6 | +7.2 | 30.8 | −3.2 | 38.2 | −5.7 | 56.6 | +3.4 | 63.6 | −0.7 | 71.2 | −0.6 | 73.7 | −3.0 | 77.4 | +2.7 | 69.3 | +0.6 | 64.0 | +6.7 | 44.8 | −0.9 | 35.4 | +0.3 | 55.5 | +0.6 |
| Louisa | 42.2 | +6.6 | 32.1 | −5.6 | 38.2 | −7.2 | 57.6 | +3.9 | 65.4 | +2.0 | 70.6 | −0.4 | 73.9 | −1.2 | 77.4 | +3.6 | 68.8 | +0.7 | 62.1 | +6.6 | 44.6 | −1.1 | 35.8 | −1.6 | 55.7 | +0.6 |
| Lynchburg | 41.7 | +6.4 | 31.0 | −7.4 | 38.4 | −7.0 | 57.4 | +1.8 | 65.4 | −0.5 | 70.8 | −2.3 | 73.3 | −2.8 | 77.1 | +2.8 | 68.4 | +0.5 | 61.9 | +4.7 | 44.2 | −1.0 | 38.4 | +1.1 | 55.7 | −0.3 |
| Martinsville | 40.8 | | 30.3 | | 36.2 | | 55.5 | | 65.2 | | 69.3 | | 71.2 | | 76.4 | | 68.2 | | 59.1 | | 42.1 | | 34.7 | | 54.0 | |
| Mount Weather | 34.8 | +4.4 | 22.0 | −8.7 | 31.1 | −8.8 | 48.4 | −0.4 | 57.8 | −1.8 | 65.1 | −2.5 | 70.0 | −1.6 | 73.4 | +3.5 | 61.6 | 0.0 | 58.7 | +5.2 | 40.5 | −1.6 | 31.2 | −1.3 | 49.8 | −1.1 |
| New Canton | 43.6 | +6.4 | 32.6 | −5.5 | 38.9 | −8.2 | 58.0 | +2.9 | 65.2 | +0.5 | 70.0 | −2.2 | 72.6 | −3.5 | 76.8 | +2.8 | 68.8 | −0.1 | 61.4 | +4.0 | 45.6 | −1.3 | 37.0 | −1.1 | 55.9 | −0.4 |
| Quantico | 40.2 | +4.6 | 29.8 | −6.1 | 38.0 | −6.9 | 56.3 | +2.4 | 65.2 | +1.2 | 71.4 | −1.0 | 75.2 | −1.8 | 78.2 | +3.6 | 69.1 | +1.0 | 63.0 | +5.6 | 45.6 | −0.2 | 35.8 | −0.7 | 55.6 | 0.0 |
| Rockymount | 31.5 | +3.8 | 31.4 | −7.3 | 39.9 | −6.9 | 55.6 | +0.2 | 66.0 | +1.1 | 68.6 | −3.6 | 71.2 | −3.9 | 77.4 | +3.6 | 66.2 | −2.5 | 60.6 | +3.6 | 45.6 | −1.7 | 33.2 | −0.5 | 55.2 | −1.2 |
| Washington, D. C. | 42.2 | +8.8 | 31.7 | −3.6 | 40.2 | −2.4 | 57.4 | +4.1 | 65.4 | +1.7 | 72.6 | +0.4 | 76.2 | −0.6 | 79.6 | +4.5 | 70.4 | +2.3 | 65.0 | +7.6 | 46.4 | +1.2 | 36.9 | +0.3 | 57.0 | +2.0 |
| **Great Valley** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Big Meadows | 35.8 | +7.7 | 22.2 | −7.6 | 28.0 | −8.7 | 50.8 | +5.9 | 57.0 | +0.2 | 62.4 | −1.6 | 64.3 | −2.2 | 67.6 | +1.8 | 59.7 | +0.4 | 56.9 | +6.6 | 35.0 | −4.0 | 31.4 | +1.6 | 47.6 | 0.0 |
| Blacksburg | 39.3 | +5.4 | 26.6 | −8.0 | 34.4 | −8.5 | 54.8 | +3.7 | 60.6 | +0.1 | 66.9 | −1.2 | 68.0 | −3.3 | 73.3 | +3.1 | 65.0 | +0.1 | 57.4 | +3.8 | 40.3 | −2.5 | 35.0 | −0.1 | 51.8 | −0.6 |
| Buchanan | 42.3 | +5.6 | 31.8 | −8.1 | 38.7 | −8.6 | 58.8 | +3.2 | 66.0 | +0.7 | 70.6 | −1.9 | 72.2 | −3.7 | 77.4 | +2.8 | 68.6 | −1.1 | 61.2 | +3.1 | 45.0 | −1.5 | 37.6 | −0.9 | 55.8 | −0.9 |
| Burkes Garden | 38.6 | +6.4 | 23.7 | −8.7 | 30.4 | −10.0 | 53.4 | +5.3 | 56.1 | −1.0 | 63.2 | −0.9 | 63.2 | −4.0 | 70.8 | +4.7 | 62.4 | +1.8 | 56.1 | +5.9 | 39.2 | −1.0 | 34.1 | +1.2 | 49.3 | 0.0 |
| Catawba Sanatorium | 41.5 | +5.2 | 29.2 | −8.9 | 36.8 | −8.4 | 56.4 | +2.5 | 61.6 | −0.9 | 67.2 | −2.5 | 69.0 | −3.5 | 73.8 | +2.2 | 65.4 | −1.4 | 58.8 | +2.2 | 42.4 | −3.3 | 36.2 | −1.7 | 53.2 | −1.6 |
| Dale, Enterprise | 40.1 | +6.7 | 28.4 | −6.2 | 34.6 | −8.3 | 55.8 | +3.8 | 61.9 | −0.6 | 68.4 | −1.6 | 70.4 | −3.4 | 74.9 | +2.8 | 66.2 | −0.6 | 59.3 | +8.4 | 42.0 | −1.9 | 34.5 | −0.8 | 53.0 | −0.6 |
| Dante | 43.0 | +6.9 | 29.4 | −9.4 | 36.2 | −9.1 | 58.3 | +4.5 | 62.1 | +0.4 | 70.4 | +1.2 | 69.9 | −2.2 | 75.6 | +4.3 | 67.8 | +0.6 | 63.8 | +7.4 | 44.8 | 0.0 | 38.4 | +0.4 | 54.9 | +0.4 |
| Emory | 40.8 | +4.3 | 26.5 | −11.6 | 32.7 | −10.4 | 57.2 | +4.8 | 61.6 | +0.4 | 71.2 | +2.0 | 69.6 | −3.2 | 75.2 | +3.5 | 66.3 | −0.1 | 60.7 | +5.4 | 44.5 | 0.0 | 38.4 | +1.4 | 53.7 | −0.4 |
| Floyd | 42.1 | +8.2 | 27.3 | −6.7 | 32.9 | −10.6 | 52.8 | +0.3 | 60.5 | −1.8 | 67.8 | −1.9 | 69.5 | −2.8 | 73.4 | +2.5 | 66.0 | +1.2 | 58.8 | +4.2 | 41.8 | −1.9 | 37.8 | +2.2 | 52.6 | −0.6 |
| Front Royal | 38.8 | | 28.8 | | 36.2 | | 56.8 | | 61.2 | | 68.8 | | 71.7 | | 76.8 | | 65.8 | | 60.6 | | 42.4 | | 34.0 | | 50.7 | |
| Glen Lyn | 40.0 | +4.0 | 26.8 | −9.5 | 35.7 | −8.8 | 57.6 | +3.7 | 63.2 | −1.4 | 69.4 | −2.8 | 70.3 | −4.5 | 75.5 | +1.6 | 67.5 | −0.1 | 59.9 | +4.2 | 43.4 | −0.6 | 35.6 | −0.9 | 53.7 | −1.3 |
| Hot Springs | 36.8 | +5.1 | 23.7 | −9.3 | 32.6 | −9.3 | 52.6 | +2.8 | 58.8 | −1.1 | 64.7 | −2.0 | 66.2 | −3.3 | 71.6 | +3.3 | 62.8 | +0.1 | 56.2 | +4.0 | 39.9 | −1.5 | 32.6 | −0.8 | 49.9 | −0.9 |
| Lexington | 41.6 | +7.2 | 31.6 | −4.3 | 37.8 | −6.3 | 58.2 | +5.1 | 63.8 | +1.0 | 69.0 | −1.7 | 70.2 | −4.4 | 75.8 | +2.8 | 68.3 | +1.5 | 61.2 | +6.3 | 45.4 | +1.6 | 37.8 | +1.9 | 55.1 | +0.9 |
| Luray | 41.1 | | 29.4 | | 36.2 | | 56.8 | | 67.6 | | 68.6 | | 71.3 | | 75.4 | | 67.8 | | 62.0 | | 42.2 | | 34.3 | | 54.5 | |
| Monterey | 33.2 | | 21.7 | | 28.4 | | 48.8 | | 55.8 | | 61.3 | | 63.3 | | 67.8 | | 60.4 | | 53.8 | | 35.2 | | 31.2 | | 46.7 | |
| Mountain Lake, NW. end | 35.4 | +8.5 | 19.7 | −8.3 | 27.6 | −9.2 | 49.6 | +2.1 | 55.0 | −1.6 | 60.2 | −3.4 | 62.3 | −3.4 | 67.9 | +2.3 | 59.7 | +0.1 | 53.5 | +3.1 | 36.4 | −2.0 | 30.8 | −0.5 | 46.5 | −1.0 |
| Mount Jackson | 39.7 | | 28.8 | | 35.2 | | 55.7 | | 55.8 | | 68.2 | | 71.5 | | 76.0 | | 66.4 | | 61.0 | | 42.7 | | 34.7 | | 53.4 | |
| Pennington Gap | 41.0 | +4.3 | 27.3 | −10.2 | 35.8 | −8.6 | 56.2 | +2.9 | 60.6 | −3.1 | 69.8 | −1.0 | 68.6 | −5.6 | 75.8 | +2.1 | 68.8 | +0.3 | 61.4 | +4.6 | 41.7 | +0.3 | 37.4 | −0.7 | 54.0 | −1.2 |
| Pulaski Airport | 39.6 | | 25.7 | | 33.4 | | 54.1 | | 60.6 | | 66.3 | | 67.8 | | 70.0 | | 64.2 | | 57.0 | | 40.2 | | 35.7 | | 51.5 | |
| Roanoke | 42.4 | +4.6 | 31.8 | −7.2 | 39.2 | −8.2 | 58.0 | +2.4 | 65.1 | −0.1 | 70.6 | −1.7 | 71.7 | −4.0 | 76.3 | +1.6 | 67.8 | −0.9 | 60.0 | +2.4 | 44.6 | −2.2 | 38.6 | −0.3 | 55.5 | −1.1 |
| Rocky Knob | 40.8 | | 27.8 | | 34.2 | | 55.2 | | 60.2 | | 67.5 | | 67.6 | | 71.6 | | 63.6 | | 57.1 | | 40.0 | | 36.0 | | 51.8 | |
| Saltville | 41.2 | +6.0 | 27.4 | −10.2 | 35.7 | −8.7 | 58.2 | +4.4 | 63.2 | +0.5 | 70.8 | +0.3 | 70.1 | −3.6 | 76.2 | +2.7 | 68.2 | +0.3 | 61.4 | +5.5 | 44.6 | −0.3 | 37.5 | +0.4 | 54.5 | −0.3 |
| Staunton | 39.8 | +4.1 | 29.4 | −6.6 | 34.8 | −9.5 | 54.6 | +1.5 | 62.8 | −0.6 | 68.5 | −2.3 | 70.0 | −4.5 | 74.2 | +1.2 | 65.2 | −2.2 | 58.6 | +2.9 | 42.2 | −3.0 | 35.6 | −1.4 | 53.0 | −1.7 |
| Sugar Grove | 39.9 | | 25.0 | | 33.0 | | 154.0 | | 58.4 | | 65.2 | | 61.6 | | 70.8 | | 63.3 | | 56.6 | | 39.2 | | 34.2 | | 50.4 | |
| Timberville | 40.7 | | 28.5 | | 34.8 | | 55.7 | | 61.0 | | 68.0 | | 71.2 | | 76.1 | | 66.6 | | 60.2 | | 42.4 | | 34.2 | | 53.3 | |
| Winchester | 40.2 | +7.0 | 30.2 | −1.4 | 37.2 | −5.9 | 57.0 | +4.3 | 63.6 | +0.7 | 70.2 | −2.1 | 72.6 | −3.8 | 76.4 | +2.1 | 67.9 | −0.2 | 61.7 | +5.2 | 43.5 | −1.6 | 35.2 | −0.4 | 54.6 | 0.0 |
| Woodstock | 41.4 | +7.4 | 30.6 | −3.9 | 37.8 | −6.4 | 57.8 | +5.1 | 63.3 | +0.1 | 69.6 | −0.8 | 72.8 | −2.0 | 77.2 | +4.1 | 67.5 | 0.0 | 61.4 | +5.8 | 43.4 | −1.6 | 35.7 | +0.2 | 54.9 | +0.7 |
| Wytheville | 42.4 | +9.4 | 28.4 | −6.7 | 35.4 | −6.9 | 57.0 | +5.0 | 61.6 | +0.2 | 68.1 | −0.6 | 68.8 | −3.8 | 73.8 | +3.3 | 66.5 | +2.9 | 58.8 | +5.2 | 43.6 | +0.6 | 38.0 | +2.7 | 53.5 | +0.9 |
| **State** | 42.2 | +5.7 | 31.0 | −6.2 | 37.7 | −8.1 | 56.5 | +1.9 | 64.3 | 0.0 | 70.1 | −1.7 | 72.4 | −2.9 | 76.4 | +2.3 | 68.6 | 0.0 | 61.9 | +4.4 | 45.4 | −1.3 | 36.9 | −1.1 | 55.3 | −0.6 |

For explanation of reference marks, see page 50.     *Italics* interpolated.

## KILLING FROSTS 1947—Continued

| Stations | Last in spring | First in autumn | Stations | Last in spring | First in autumn | Stations | Last in spring | First in autumn | Stations | Last in spring | First in autumn |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *The Great Valley* | | | | | | | | | | | |
| Berryville | May 10 | Oct. 1 | Dante | May 11 | Oct. 1 | Luray | May 11 | Sept. 23 | Roanoke | May 9 | Sept. 28 |
| Big Meadows | May 10 | Oct. 1 | Deerfield | May 10 | Sept. 23 | Monterey | May 11 | Sept. 23 | Rocky Knob | May 10 | Oct. 1 |
| Blacksburg | May 11 | Oct. 1 | Emory | May 11 | Oct. 1 | Moores Creek Dam | May 10 | Oct. 1 | Saltville | Apr. 18 | Oct. 1 |
| Buchanan | May 9 | Oct. 1 | Floyd | May 9 | Sept. 28 | Mountain Lake | May 11 | Sept. 28 | Staunton | May 10 | Sept. 28 |
| Burkes Garden | May 31 | Sept. 23 | Front Royal | May 10 | Sept. 28 | Mount Jackson | May 11 | Sept. 28 | Sugar Grove | May 11 | Sept. 28 |
| Catawba Sanatorium | May 9 | Oct. 1 | Glen Lyn | May 11 | Oct. 1 | North River Dam | Apr. 7 | Sept. 23 | Timberville | May 11 | Sept. 23 |
| Clifton Forge | May 11 | Oct. 1 | Hot Springs | May 10 | Oct. 1 | Pennington Gap | May 11 | Oct. 1 | Winchester | May 10 | Nov. 13 |
| Dale Enterprise | May 11 | Sept. 23 | Kerrs Creek | May 10 | Oct. 1 | Pulaski Airport | May 11 | Sept. 28 | Woodstock | May 11 | Sept. 29 |
| Damascus | May 9 | Sept. 28 | Lexington | May 9 | Sept. 29 | Roanoke Airport | Mar. 31 | Nov. 13 | Wytheville | May 11 | Sept. 28 |

## Supplemental Table of Monthly and Annual Precipitation for the Year 1947

| Stations | Counties | Drainage-basin | Elevation, feet | Length of record years | January | February | March | April | May | June | July | August | September | October | November | December | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Abingdon(TVA) | Washington | Holston | 2,009 | 6 | 9.30 | 1.42 | 3.17 | 2.36 | 3.28 | 4.87 | 3.58 | 9.71 | 3.14 | 1.97 | 2.89 | 1.79 | 47.48 |
| Alta Vista | Campbell | Roanoke | 503 | 3 | 4.99 | 1.86 | 2.32 | 3.30 | 4.20 | 2.06 | 4.15 | 5.10 | 5.55 | 2.70 | 6.15 | 0.85 | 43.23 |
| Amissville | Rappahannock | Rappahannock | 550 | 5 | 3.44 | 1.56 | 1.83 | 1.40 | 4.02 | 4.09 | 4.87 | 2.84 | 5.30 | 1.63 | 5.66 | 0.82 | 37.46 |
| Annandale | Fairfax | Potomac | 310 | 2 | 5.38 | 1.76 | 1.26 | 2.37 | 5.29 | 7.73 | 4.61 | 6.32 | 4.38 | 1.34 | | 1.70 | ..... |
| Bacon | do. | do. | 380 | 6 | 3.51 | 1.36 | 1.20 | 2.73 | 3.65 | 3.83 | 4.14 | 5.35 | 4.75 | | 1.06 | | ..... |
| Barcroft | Arlington | do. | 190 | 2 | | 1.50 | 0.89 | 1.94 | 5.50 | 6.11 | 5.11 | 1.64 | 2.87 | 1.93 | 4.67 | 1.55 | ..... |
| Berryville | Clarke | Shenandoah | 580 | 6 | 2.56 | 1.82 | 1.04 | 1.18 | 3.62 | 1.69 | 3.33 | 2.92 | 1.30 | 1.15 | 2.93 | 0.72 | 24.26 |
| Big Knob (TVA) | Scott | Holston | 3,150 | 13 | 8.98 | 1.28 | 2.01 | 1.80 | 1.54 | 3.33 | 4.91 | 3.99 | 2.08 | 1.80 | 2.95 | 1.80 | 36.47 |
| Bremo Bluff | Fluvanna | James | 225 | 8 | 4.39 | 2.05 | 2.61 | 2.93 | 3.03 | 2.16 | 3.40 | 0.65 | 4.36 | 2.21 | 4.76 | 1.22 | 33.77 |
| Buena Vista | Rockbridge | Maury | 835 | 11 | 5.70 | 1.85 | 2.19 | 3.15 | 1.94 | 3.50 | 2.88 | 6.91 | 2.36 | 2.83 | 3.51 | 1.05 | 37.87 |
| Byllesby | Carroll | New | 2,100 | 5 | 6.85 | 1.07 | 3.28 | 2.29 | 4.79 | 5.71 | 2.37 | 6.80 | 4.03 | 7.15 | 3.77 | 0.76 | 48.87 |
| Chase City | Mecklenburg | Roanoke | 542 | 1 | | | | 3.09 | 3.03 | 3.13 | 2.31 | 4.56 | 5.43 | 5.50 | 5.71 | 0.36 | ..... |
| Chatham No 2 | Pittsylvania | Bannister | 852 | 2 | 5.04 | 1.57 | 2.29 | 3.60 | 2.92 | 1.66 | 2.85 | 1.58 | 6.10 | 4.23 | 5.53 | 0.99 | 38.36 |
| Churchville | Augusta | Shenandoah | 1,475 | 7 | 3.54 | 1.42 | 2.27 | 1.20 | 1.05 | 5.23 | 4.08 | 0.87 | 2.22 | 1.97 | 4.33 | 0.88 | 29.06 |
| Cleveland (TVA) | Russell | Clinch | 1,550 | 14 | 8.62 | 1.77 | 3.35 | 2.59 | 2.99 | 5.34 | 2.89 | 7.54 | 3.51 | 1.56 | | 1.55 | ..... |
| Cootes Store | Rockingham | Shenandoah | 1,050 | 6 | | 0.70 | 1.85 | | 2.31 | 4.03 | 2.98 | 3.35 | 1.67 | 0.83 | 2.84 | 0.55 | ..... |
| Copper Hill | Floyd | Roanoke | 2,800 | 7 | 4.82 | 1.40 | 2.78 | 3.62 | 3.13 | 3.90 | 2.22 | 6.29 | 3.68 | 6.93 | 4.12 | 0.72 | 43.61 |
| Covington | Allegheny | Jackson | 1,245 | 11 | 5.76 | 1.77 | 1.75 | 1.91 | 2.51 | 2.68 | 5.88 | 4.83 | 4.42 | 3.38 | 4.51 | 0.99 | 40.39 |
| Davenport | Buchanan | Russell Fork | 1,600 | 7 | | 1.70 | 2.05 | 2.15 | | 4.74 | 2.08 | 7.99 | 2.44 | 1.67 | 1.48 | 1.39 | ..... |
| Delaplane | Fauquier | Potomac | 500 | 7 | 2.92 | 1.84 | 1.67 | | 3.78 | 4.59 | 3.26 | 1.08 | 1.97 | 1.12 | | | ..... |
| Driver | Nansemond | Nansemond | 7 | 6 | 4.98 | 0.82 | 3.04 | 2.64 | 2.73 | 5.71 | 3.95 | 1.73 | 3.96 | 1.38 | 5.92 | 2.01 | 38.87 |
| Dunbar... (TVA) | Wise | Clinch | 2,000 | 13 | 8.61 | 2.02 | 2.75 | 3.31 | 3.20 | 6.93 | 4.60 | 8.85 | 1.49 | 1.28 | 3.48 | 1.87 | 48.40 |
| Dungannon(TVA) | Scott | do | 2,500 | 13 | 10.47 | 2.20 | 3.58 | 2.38 | 2.18 | 3.94 | 5.03 | 7.95 | 3.70 | 2.14 | 2.26 | 1.98 | 47.81 |
| Episcopal High School | Fairfax | Potomac | 250 | 2 | 3.99 | 1.07 | 1.28 | 2.06 | 5.96 | 8.52 | 4.13 | 1.89 | 4.20 | 1.83 | 4.30 | 1.41 | 40.64 |
| Fieldale | Henry | Smith | 875 | 5 | 5.19 | 1.52 | | 3.20 | 2.97 | 4.04 | 3.73 | 3.24 | 4.85 | 8.28 | 4.70 | 0.89 | ..... |
| Fredericksburg No. 2 | Spottsylvania | Rappahannock | 50 | 2 | 4.08 | 1.78 | 1.45 | 1.96 | 2.92 | 3.84 | 3.85 | 1.10 | 4.78 | 1.05 | 4.22 | 1.55 | 32.58 |
| Foraker | Dickenson | Cranesnest | 1,560 | 7 | | 2.07 | 2.67 | 2.00 | 2.69 | 6.07 | 3.94 | 8.22 | 1.70 | 1.32 | 2.92 | | ..... |
| Galax | Grayson | New | 2,380 | 7 | 6.35 | 1.20 | 3.33 | 2.88 | 4.29 | 8.31 | 3.67 | 6.92 | 3.83 | 8.56 | 4.15 | 0.62 | 54.11 |
| Greenway Downs | Fairfax | Potomac | 337 | 2 | 4.35 | 1.57 | 1.28 | 1.84 | 5.18 | 4.92 | 6.12 | 2.28 | 3.50 | 1.98 | 4.52 | 1.46 | 39.00 |
| Groseclose (TVA) | Smyth | Holston | 2,550 | 6 | 6.89 | 2.39 | 2.84 | 2.62 | 3.78 | 3.14 | 2.18 | 5.48 | 4.80 | 3.68 | 3.77 | 1.11 | 42.68 |
| Haysi | Dickenson | Russell Fork | 1,500 | 7 | 7.43 | 1.86 | 2.46 | 2.15 | 3.50 | 4.00 | 3.72 | 8.83 | 3.56 | 0.85 | 2.50 | 1.27 | 42.13 |
| High Knob (TVA) | Wise | Clinch | 4,150 | 13 | 8.16 | | 2.37 | 3.33 | 2.56 | 6.51 | 5.21 | .9.51 | 3.78 | 1.86 | 2.29 | 1.74 | ..... |
| Hillsville | Carroll | New | 2,570 | 6 | 6.02 | 1.32 | 3.14 | 2.74 | 3.53 | 9.34 | 2.56 | 5.58 | 3.49 | 9.21 | 3.89 | 0.68 | 51.50 |
| Holston(TVA) | Washington | Holston | 3,450 | 13 | 8.58 | 2.24 | 2.98 | 2.28 | 2.15 | 4.59 | 2.66 | 4.17 | 2.30 | 1.82 | 2.29 | 1.90 | 37.96 |
| Honaker (near) (TVA) | Russell | Clinch | 2,150 | 13 | 7.97 | 2.66 | 3.81 | 2.98 | 3.23 | 4.97 | 3.17 | 7.36 | 2.87 | 2.00 | 2.47 | 1.53 | 45.02 |
| Hurley | Buchanan | Levisa Fork | 995 | 1 | 5.66 | 2.09 | | 2.21 | 2.78 | 3.20 | 2.96 | 8.04 | 3.86 | 0.63 | 2.35 | 1.61 | ..... |
| Independence | Grayson | New | 2,540 | 7 | 6.99 | 1.20 | 3.45 | 2.38 | 4.80 | 6.99 | 1.60 | 6.14 | 3.20 | 5.94 | 4.56 | 0.75 | 48.09 |
| Indian Valley | Floyd | do | 2,760 | 7 | 6.09 | 1.45 | 3.32 | 3.03 | 2.46 | 5.64 | 2.68 | 4.62 | 4.45 | 5.54 | 2.92 | 0.75 | 42.95 |
| Jewell Ridge (TVA.) | Tazewell | Clinch | 2,750 | 13 | 7.89 | 2.64 | 2.64 | 2.91 | 3.35 | 3.27 | 3.46 | 7.69 | 1.98 | 1.76 | 2.41 | 1.36 | 41.36 |
| Jonesville No.2(TVA) | Lee | do | 1,375 | 1 | 10.73 | 1.83 | 3.38 | 2.45 | 2.98 | 6.46 | 4.90 | 8.92 | 1.75 | 2.18 | 3.37 | 2.18 | 51.13 |
| Jordan Mines | Alleghany | Potts | 1,350 | 7 | 4.75 | 1.98 | 2.30 | 1.68 | 1.64 | 2.25 | 4.50 | 1.99 | 5.19 | 4.48 | 4.00 | 1.32 | 36.08 |
| Kerrs Creek | Rockbridge | Maury | 1,400 | 7 | 4.76 | 1.51 | 2.47 | 1.36 | 2.60 | 3.33 | 4.40 | 4.80 | 4.93 | 1.88 | 3.29 | 1.36 | 36.69 |
| Lee Experimental Forest | Buckingham | Slate | 500 | 7 | 5.37 | 2.78 | 2.56 | 3.37 | 3.56 | 2.82 | 3.58 | 1.42 | 5.20 | 5.36 | 5.04 | 1.08 | 42.14 |
| Leesburg | Loudoun | Potomac | 321 | 3 | 2.80 | 1.73 | 1.37 | 1.72 | 5.64 | 2.96 | 2.84 | 3.93 | 2.94 | 2.05 | 3.03 | 0.74 | 31.75 |
| Loves Mill(TVA) | Washington | Holston | 2,060 | 13 | 8.22 | 1.74 | 2.75 | 2.96 | 2.20 | 5.45 | 2.96 | 7.49 | 3.12 | 2.07 | 3.02 | 1.16 | 43.14 |
| Manion | Fairfax | Pot mac | 450 | 6 | 3.56 | 1.21 | 1.29 | 2.43 | 4.24 | 4.85 | 4.04 | 4.85 | 4.03 | 0.89 | 4.15 | 1.08 | 36.64 |
| Marion (TVA) | Smyth | Holston | 2,200 | 41 | 7.15 | 1.52 | 2.35 | 2.64 | 2.65 | 4.43 | 2.94 | 8.47 | 4.25 | 2.34 | 3.39 | 1.31 | 43.44 |
| Marshall | Fauquier | Rappahannock | 575 | 3 | 3.62 | 1.52 | 1.43 | 1.14 | 5.02 | 3.86 | 4.94 | 1.63 | 3.08 | 1.21 | 4.69 | 0.84 | 32.98 |
| McDowell | Highland | Bullpasture | 2,050 | 8 | 3.60 | 0.97 | 2.35 | 1.99 | 2.99 | 3.24 | 4.99 | 7.00 | 3.68 | 2.70 | | | ..... |
| Mc Gaheysville | Rockingham | Shenandoah | 1,150 | 8 | 3.15 | 1.40 | 1.82 | 1.15 | 1.44 | 4.37 | 2.87 | 2.44 | 2.88 | 1.14 | 4.31 | 0.67 | 27.64 |
| Meadowview(TVA) | Washington | Holston | 1,860 | 13 | 8.36 | 1.52 | 3.15 | 2.62 | 3.78 | 5.22 | 2.76 | 3.84 | 2.77 | 1.91 | 2.54 | 1.13 | 39.60 |
| Montebello | Nelson | Maury | 2,500 | 11 | 6.58 | 1.95 | 3.45 | 4.10 | 3.59 | 7.10 | 5.55 | 8.07 | 4.66 | 5.69 | 5.15 | 1.44 | 57.43 |
| Mount Jackson | Shenandoah | Shenandoah | 1,050 | 11 | 2.50 | 1.02 | 1.30 | 1.98 | 3.15 | 3.08 | 4.45 | 2.41 | 1.83 | 1.09 | 4.26 | 0.71 | 27.78 |
| Natural Bridge Station (nr) | Rockbridge | Maury | 800 | 6 | 4.97 | 0.84 | 2.98 | 3.93 | 2.43 | 4.78 | 2.64 | 5.89 | 3.13 | 5.70 | 5.95 | 1.18 | 44.42 |
| Newcastle | Craig | Craig | 1,300 | 11 | 5.81 | 1.37 | 2.31 | 1.98 | 2.77 | 2.95 | 3.70 | 9.40 | 3.42 | 4.94 | 4.28 | 0.86 | 43.79 |
| Newport | Giles | New | 1,900 | 3 | 5.45 | 1.47 | 2.05 | 2.17 | 4.80 | 3.60 | 3.71 | 5.14 | 4.12 | 3.76 | 1.91 | 0.83 | 39.10 |
| Norfolk W.B.A.S. | Princess Anne | Atlantic | 30 | 2 | 3.95 | 1.12 | 3.71 | 2.84 | 1.47 | 4.95 | 5.97 | 1.29 | 4.02 | 1.77 | 5.31 | 2.35 | 38.75 |
| North Garden | Albemarle | Hardware | 700 | 10 | 4.73 | 1.19 | 2.74 | 3.48 | 2.04 | 6.57 | 7.71 | 1.52 | | | | | ..... |
| Olinger(TVA) | Lee | Clinch | 1,400 | 13 | 9.62 | 1.70 | 2.59 | 2.05 | 3.14 | 7.28 | 8.88 | 8.89 | 2.64 | 1.51 | 3.47 | 2.05 | 48.82 |
| Pedlar Dam | Amherst | Pedlar | 800 | 14 | 6.10 | 1.80 | 3.45 | 4.64 | 3.21 | 3.77 | 5.46 | 5.29 | 3.30 | 3.81 | 4.28 | 1.26 | 46.37 |
| Pilot | Montgomery | New | 2,200 | 7 | 5.66 | 1.00 | 2.01 | 2.94 | 2.43 | 6.20 | 2.17 | 4.79 | 3.22 | 5.09 | 3.02 | 0.63 | 39.16 |
| Port Tobago Bay | Caroline | Rappahannock | 50 | 1 | | | 2.47 | 6.83 | 8.01 | 3.35 | 2.34 | 5.64 | 2.36 | 4.77 | 1.62 | | ..... |
| Pulaski | Pulaski | New | 1,850 | 7 | 6.19 | 1.40 | 2.97 | 3.35 | 3.90 | 5.00 | 2.01 | 3.54 | 4.26 | 3.54 | 2.67 | 0.79 | 39.62 |
| Rapidan | Culpeper | Rapidan | 300 | 3 | 4.13 | 1.47 | 2.00 | 2.62 | 4.85 | 3.08 | 2.24 | 2.59 | 4.85 | 1.14 | 7.68 | 1.15 | 37.80 |
| Roanoke (Airport) | Roanoke | Roanoke | 1,176 | 10 | 5.63 | 1.33 | 2.25 | 2.92 | 2.35 | 5.93 | 4.48 | 8.83 | 4.04 | 7.25 | 4.70 | 0.87 | 50.58 |
| Rockfish | Nelson | Rockfish | 509 | 11 | 6.55 | 2.26 | 2.93 | 4.22 | 3.24 | 7.20 | 5.57 | 4.66 | 2.92 | 3.73 | 5.82 | 1.21 | 50.31 |
| Rocky Knob (Fire weather) | Floyd | Little | 3,100 | 7 | 6.10 | 0.71 | 4.85 | 3.69 | 3.72 | 8.47 | 2.90 | 5.24 | 7.01 | 10.47 | 3.58 | 0.93 | 57.67 |
| Rose Hill | Lee | Clinch | 1,475 | 14 | 10.68 | 2.04 | 2.19 | 2.43 | 4.30 | 7.41 | 5.90 | 5.22 | 1.81 | 3.02 | 4.10 | 2.68 | 51.78 |
| Slate (Dwight) | Buchanan | Levisa Fork | 1,550 | 7 | 5.63 | 2.35 | 2.41 | 2.20 | | 2.33 | 3.07 | 7.79 | | 1.66 | 2.15 | | ..... |
| Smithfield | Isle of Wight | James | 37 | 5 | 3.39 | 1.24 | 2.91 | 3.21 | 2.19 | 4.58 | 2.73 | 3.40 | 6.85 | 2.58 | 5.30 | 2.21 | 40.59 |
| Speedwell | Wythe | New | 2,340 | 7 | 5.38 | 1.33 | 2.92 | 3.66 | 3.08 | 3.37 | 2.12 | 6.10 | 6.51 | 4.04 | 4.62 | 0.53 | 43.66 |
| Spring Creek(TVA) | Tazewell | Clinch | 3,150 | 13 | 5.83 | 0.76 | 2.77 | 1.90 | 1.84 | 4.49 | 4.01 | 7.00 | 2.70 | 1.85 | 1.22 | 0.88 | 35.25 |
| Star Tannery | Frederick | Shenandoah | 959 | 6 | 2.45 | 1.17 | 1.17 | 1.87 | 3.65 | | 4.78 | 3.24 | 1.30 | 1.78 | 3.40 | 0.47 | ..... |
| State Farm | Goochland | James | 185 | 6 | 5.65 | 1.05 | 2.15 | 3.33 | 3.88 | 2.41 | 3.12 | 1.02 | 5.51 | 2.70 | 4.86 | 1.59 | 37.27 |
| Stony Creek | Sussex | Nottoway | 77 | 6 | 3.98 | 1.85 | 2.41 | 2.48 | 2.88 | 3.82 | 2.68 | 2.55 | 4.43 | 1.61 | 4.83 | 1.19 | 34.71 |
| Sugar Grove (Fire weather) | Smyth | Holston | 2,680 | 9 | 5.76 | 1.14 | 2.82 | 2.87 | 3.05 | 3.91 | 1.67 | 9.20 | 3.38 | 3.74 | 3.45 | 0.99 | 41.98 |
| Surry | Surry | James | 125 | 6 | 5.20 | 1.80 | 2.46 | 2.80 | 2.66 | 3.10 | 2.50 | | 2.00 | 3.65 | | | ..... |
| Swords Creek (TVA) | Russell | Clinch | 2,000 | 13 | 8.50 | 1.65 | 3.26 | 2.58 | 3.44 | 3.87 | 5.61 | 8.03 | 2.54 | 1.06 | 1.65 | 1.29 | 43.48 |
| Tazewell(TVA) | Tazewell | do | 2,450 | 13 | 8.27 | 2.21 | 2.63 | 2.61 | 2.08 | 4.31 | 2.39 | 9.48 | 3.57 | 1.66 | 2.64 | 1.22 | 43.07 |
| Troutdale (TVA) | Grayson | Holston | 3,120 | 13 | 6.84 | 1.32 | 3.14 | 2.94 | 2.64 | 4.83 | 2.80 | 8.61 | 2.85 | 4.10 | 4.23 | 1.10 | 45.40 |
| Tye River | Nelson | Tye | 551 | 10 | 5.36 | 1.03 | 3.66 | 3.95 | 3.16 | 1.95 | 3.77 | 2.79 | 3.68 | 4.98 | 1.08 | | 39.45 |
| Vienna (near) | Fairfax | Potomac | 500 | 2 | 3.94 | 1.28 | 1.41 | 1.84 | 6.11 | 3.10 | 5.62 | 4.78 | 3.48 | 1.57 | 4.47 | 1.38 | 39.98 |
| Walkers Chapel | Arlington | do | 240 | 2 | 4.42 | 1.97 | | 1.92 | 5.57 | 3.84 | 5.19 | 3.44 | 3.18 | 1.28 | 4.78 | 1.39 | ..... |
| Wallace (TVA) | Washington | Holston | 1,980 | 13 | 8.16 | 2.25 | 2.90 | 2.73 | 3.17 | 4.30 | 2.74 | 3.26 | 3.52 | 2.40 | 2.67 | 1.49 | 39.59 |
| Washington, Va | Rappahannock | Rappahannock | 650 | 3 | 3.14 | 0.99 | 1.84 | 1.12 | 2.20 | 3.32 | 4.91 | 4.48 | 4.51 | 1.96 | 4.79 | 1.12 | 34.38 |
| Waterford | Loudoun | Potomac | 525 | 3 | 3.62 | 0.99 | 1.74 | 1.60 | 7.15 | 3.78 | 4.67 | 5.45 | 2.71 | 1.60 | 3.95 | 1.79 | 39.05 |
| Waverly Hills | Arlington | do | 340 | 2 | 4.43 | 1.85 | 1.25 | 2.09 | 5.66 | 6.22 | 4.88 | 2.96 | 3.63 | 1.05 | 4.73 | 1.41 | 40.16 |
| Westbrook Sanatorium | Henrico | James | 200 | 1 | 4.80 | 1.44 | 2.57 | 3.59 | 3.12 | 5.00 | 3.24 | 1.10 | 9.48 | 1.62 | 6.10 | 1.41 | 43.47 |
| White Gate (near) | Giles | New | 1,850 | 7 | | 1.48 | 2.35 | 2.44 | 2.19 | 3.77 | 2.51 | 8.06 | 2.82 | 2.10 | 1.88 | 0.80 | ..... |
| Williamsburg No. 2 | James City | James | 70 | 2 | 3.93 | 1.58 | 2.13 | 2.04 | 2.86 | | 2.51 | 4.87 | 3.81 | 2.61 | 5.41 | 1.58 | ..... |
| Williamsville | Bath | Bullpasture | 1,700 | 8 | 3.58 | 1.29 | 2.02 | 1.59 | 2.68 | 3.00 | 3.51 | 2.19 | 3.19 | 2.58 | 3.00 | 1.27 | 29.90 |

**WESTERN PORTION OF**
**VIRGINIA**
ON SAME SCALE AS MAIN MAP

BUCHANAN
Jewell Ridge O
Burkes Garden
DICKENSON
Spring Creek O O Tazewell
TAZEWELL
Swords Creek O
Dunbar
Honaker O
WISE
O Dante
Mutters Gap
Nebo O
WYTHE
O Norton
O Cleveland
O Saltville
Marion
High Knob
RUSSELL
Holston Emory
Olinger O
Dungannon
SMYTH
Pennington Gap
O
LEE
SCOTT
WASHINGTON
Loves Mill
O Troutdale
O
Damascus
Jonesville O
Clinchport
O Big Knob
Mendota
O Wallace
GRAYSON
Rose Hill O C.C.C. No. 5

**VIRGINIA**

SCALE OF MILES
0 5 10 20 30 40 50

FREDERICK
O
Berryville
Winchester
Lincoln
CLARKE
O
Mount Weather
LOUDOUN
Riverton
O
Woodstock
Clarendon O
Washington, D. C.
O
WARREN
Arlington
ARLINGTON
SHENANDOAH
FAUQUIER
FAIRFAX
Mount Jackson O
Rattlesnake Point O
Manassas O
PRINCE·
RAPPAHANNOCK
WILLIAM
Panorama
Timberville O
O Sexton Shelter
PAGE
Camp #1
Quantico
Big Meadows O
ROCKINGHAM
CULPEPER
Culpeper O
STAFFORD
O Dale Enterprise
O Dahlgren
Monterey O
MADISON
Fredericksburg O
KING GEORGE
North River Dam O
O Mt. Solon
Camp #3 O
HIGHLAND
GREENE
O Orange
AUGUSTA
ORANGE
SPOTSYLVANIA
Deerfield O
O Staunton
ALBEMARLE
WESTMORELAND
BATH
Alton O
O Charlottesville
O Mineral
CAROLINE
RICHMOND
NORTHUMBERLAND
LOUISA
Tappahannock
Hot Springs O
O North Garden
ALLEGHANY
Clifton Forge O
ROCKBRIDGE
Montebello
FLUVANNA
KING
LANCASTER
Covington O
O Lexington
Rockfish O
Columbia O
GOOCHLAND
HANOVER
KING WILLIAM
QUEEN
Moores Creek Dam
O Buena Vista
Tye River O
New Canton O
Urbanna
Balcony Falls
MIDDLESEX
Buchanan O
AMHERST
BUCKINGHAM
POWHATAN
Christchurch
New Castle O
O Pedlar Dam
O Buckingham
Powhatan O
Richmond O
HENRICO
NEW KENT
GLOUCESTER
BOTETOURT
Lynchburg O
APPOMATTOX
CHARLES
JAMES
MATHEWS
Glen Lyn O
CRAIG
Bedford
O
CITY
CITY
Mountain Lake O
Catawba
O Appomattox
Farmville O
AMELIA
Williamsburg
Cheriton O
GILES
ROANOKE
BEDFORD
CHESTERFIELD
Blacksburg O
Roanoke O
CAMPBELL
PRINCE EDWARD
Hopewell
PRINCE
MONTGOMERY
NOTTOWAY
GEORGE
SURRY
BLAND
Radford O
DINWIDDIE
Langley Field
PULASKI
FRANKLIN
CHARLOTTE
SUSSEX
ELIZABETH
Wytheville O
Pulaski O
Rockymount
LUNENBURG
CITY
WYTHE
FLOYD
Randolph O
Kenbridge
Diamond Springs O
Cape Henry
Ivanhoe O
O Floyd
Chatham
Callaville O
Norfolk
PRINCESS
O
HALIFAX
BRUNSWICK
NANSEMOND
ANNE
CARROLL
HENRY
PITTSYLVANIA
O
SOUTHAMPTON
O Holland
NORFOLK
Pinnacles O
Halifax
ISLE OF WIGHT
O Stuart
Martinsville
MECKLENBURG
Emporia O
O Wallaceton
GRAYSON
PATRICK
Clarksville O
GREENSVILLE
Danville O