

FREEZE PROBABILITY

Station	Spring: On or After Given Date						Fall: On or Before Given Date					
	90%	50%	10%	90%	50%	10%	90%	50%	10%			
Ashland	Apr 6	Apr 21	May 5	Oct 3	Oct 16	Oct 30						
Back Bay	Mar 4	Mar 18	Mar 31	Nov 10	Nov 24	Dec 7						
Balcony Falls	Apr 7	Apr 15	May 4	Oct 10	Oct 24	Nov 7						
Bedford	Apr 2	Apr 21	Apr 29	Oct 5	Oct 21	Nov 7						
Berryville	Apr 16	May 15	May 21	Sep 23	Oct 8	Oct 24						
Big Meadows	Apr 19	May 10	May 30	Sep 21	Oct 4	Oct 16						
Blacksburg	Apr 14	May 3	May 21	Sep 23	Oct 6	Oct 19						
Blackstone	Mar 29	Apr 9	Apr 21	Oct 17	Oct 30	Nov 12						
Bohannon	Mar 28	Apr 11	Apr 25	Oct 25	Nov 4	Nov 14						
Boykins	Mar 28	Apr 16	May 5	Oct 6	Oct 24	Nov 11						
Bristol	Apr 9	Apr 21	May 3	Oct 15	Oct 26	Nov 6						
Buchanan	Apr 13	Apr 28	May 12	Oct 2	Oct 15	Oct 28						
Burkes Garden	May 1	May 17	Jun 3	Sep 15	Sep 28	Oct 11						
Cape Henry	Feb 26	Mar 17	Apr 4	Nov 18	Dec 1	Dec 15						
Catawba	Apr 6	Apr 24	May 12	Oct 3	Oct 19	Nov 4						
Charlotte Court Hse	Apr 3	Apr 20	May 6	Oct 5	Oct 18	Oct 31						
Charlottesville 1W	Mar 31	Apr 14	Apr 27	Oct 10	Oct 25	Nov 9						
Charlottesville 2W	Mar 27	Apr 7	Apr 18	Oct 18	Nov 4	Nov 20						
Chase City	Mar 27	Apr 10	Apr 23	Oct 19	Oct 29	Nov 9						
Chatham	Apr 7	Apr 24	May 10	Oct 1	Oct 15	Oct 30						
Cheriton	Mar 16	Apr 1	Apr 17	Nov 2	Nov 16	Nov 30						
Chilhowie	Apr 23	May 9	May 26	Sep 7	Oct 2	Oct 16						
Columbia	Apr 10	Apr 24	May 9	Oct 2	Oct 15	Oct 27						
Culpeper	Apr 3	Apr 17	May 1	Oct 3	Oct 16	Oct 30						
Dale Enterprise	Apr 13	May 1	May 18	Sep 27	Oct 11	Oct 24						
Danville	Mar 27	Apr 13	Apr 30	Oct 12	Oct 25	Nov 8						
Diamond Springs	Mar 13	Mar 25	Apr 7	Oct 29	Nov 15	Dec 2						
Dulles Airport	Apr 7	Apr 27	May 10	Sep 26	Oct 13	Nov 3						
Elkwood	Apr 11	Apr 28	May 15	Sep 29	Oct 11	Oct 22						
Falls Church	Apr 6	Apr 21	May 6	Oct 5	Oct 22	Nov 8						
Farmville	Apr 11	Apr 26	May 10	Sep 28	Oct 10	Oct 23						
Floyd	Apr 19	May 11	Jun 2	Sep 18	Oct 2	Oct 15						
Fort Lee	Apr 3	Apr 18	May 2	Oct 14	Oct 26	Nov 7						
Fredericksburg	Apr 9	Apr 21	May 4	Oct 2	Oct 15	Oct 27						
Galax	Apr 19	May 9	May 28	Sep 3	Oct 5	Oct 17						
Glen Lyn	Apr 12	Apr 26	May 11	Oct 4	Oct 18	Nov 1						
Halifax	Mar 28	Apr 15	May 3	Oct 8	Oct 24	Nov 9						
Holland	Mar 31	Apr 14	Apr 28	Oct 11	Oct 24	Nov 6						
Hopewell	Mar 24	Apr 8	Apr 24	Oct 18	Oct 29	Nov 9						
Hot Springs	Apr 17	May 2	May 16	Sep 25	Oct 9	Oct 23						
John H. Kerr Dam	Mar 31	Apr 17	May 4	Oct 6	Oct 21	Nov 5						
Langley Field	Mar 7	Mar 24	Apr 10	Nov 2	Nov 17	Dec 1						
Lawrenceville	Apr 9	Apr 25	May 11	Oct 6	Oct 19	Nov 2						
Lexington	Apr 12	Apr 28	May 14	Oct 1	Oct 13	Oct 25						
Lincoln	Apr 2	Apr 17	May 2	Oct 1	Oct 20	Nov 7						

Continued.

FREEZE PROBABILITY, *continued*

Station	Spring: On or After Given Date						Fall: On or Before Given Date					
	90%		50%		10%		10%		50%		90%	
Louisa	Apr	7	Apr	24	May	7	Oct	1	Oct	16	Oct	30
Luray	Apr	20	May	7	May	25	Sep	25	Oct	8	Oct	21
Lynchburg	Mar	27	Apr	13	May	1	Oct	10	Oct	23	Nov	6
Manassas	Apr	2	Apr	19	May	5	Oct	4	Oct	19	Nov	3
Martinsville	Apr	19	Mar	3	May	17	Oct	1	Oct	9	Oct	18
Monterey	Apr	22	May	12	May	31	Sep	17	Oct	2	Oct	18
Mount Weather	Apr	7	Apr	24	May	11	Oct	5	Oct	21	Nov	6
Nassawadox	Mar	24	Apr	8	Apr	20	Oct	23	Nov	3	Nov	14
New Canton	Apr	16	Apr	29	May	12	Sep	29	Oct	14	Oct	29
Newport News	Mar	7	Mar	23	Apr	8	Nov	7	Nov	21	Dec	4
Norfolk	Mar	8	Mar	23	Apr	6	Oct	31	Nov	17	Dec	4
Painter	Mar	27	Apr	13	Apr	29	Oct	16	Oct	29	Nov	11
Partlow	Apr	21	May	4	May	18	Sep	24	Oct	6	Oct	17
Pennington Gap	Apr	16	May	2	May	18	Sep	29	Oct	10	Oct	22
Philpott Dam	Apr	2	Apr	17	May	2	Oct	9	Oct	23	Nov	6
N. Piedmont Rsrch. Sta.	Apr	2	Apr	18	May	4	Oct	8	Oct	22	Nov	4
Pulaski	Apr	11	Apr	26	May	11	Sep	23	Oct	7	Oct	21
Quantico	Mar	25	Apr	13	May	2	Oct	15	Oct	30	Nov	13
Richmond	Mar	25	Apr	10	Apr	27	Oct	13	Oct	26	Nov	7
Roanoke	Mar	28	Apr	12	Apr	28	Oct	7	Oct	23	Nov	8
Rocky Knob	Apr	6	Apr	24	May	13	Oct	8	Oct	23	Nov	7
Rocky Mount	Apr	3	Apr	21	May	10	Oct	1	Oct	16	Oct	31
Saltville	Apr	5	Apr	18	May	2	Oct	9	Oct	22	Nov	3
Staunton	Apr	9	Apr	26	May	12	Sep	30	Oct	14	Oct	28
Stuart	Mar	20	Apr	12	May	5	Oct	11	Oct	25	Nov	8
Suffolk	Mar	21	Apr	5	Apr	20	Oct	20	Nov	3	Nov	18
Sunnybank	Mar	22	Apr	5	Apr	16	Oct	17	Oct	30	Nov	12
Timberville	Apr	16	May	3	May	21	Sep	26	Oct	10	Oct	24
Urbanna	Mar	25	Apr	5	Apr	16	Oct	22	Nov	3	Nov	15
Walkerton	Apr	8	Apr	20	May	3	Oct	5	Oct	17	Oct	29
Warrenton	Apr	4	Apr	14	Apr	25	Oct	14	Oct	28	Nov	11
Warsaw	Apr	3	Apr	15	Apr	27	Oct	7	Oct	22	Nov	6
Washington	Apr	17	May	4	May	22	Sep	22	Oct	10	Oct	29
Washington Nat'l Arpt	Mar	15	Mar	30	Apr	13	Oct	25	Nov	8	Nov	21
West Point	Apr	2	Apr	15	Apr	28	Oct	9	Oct	24	Nov	8
Williamsburg	Mar	28	Apr	14	May	1	Oct	15	Oct	28	Nov	11
Winchester	Apr	5	Apr	19	May	3	Oct	1	Oct	17	Nov	2
Wise	Apr	13	May	5	May	24	Sep	23	Oct	9	Oct	26
Woodstock	Apr	10	Apr	27	May	14	Sep	27	Oct	12	Oct	27
Wytheville	Apr	15	May	5	May	24	Sep	20	Oct	3	Oct	17

SOURCES:

Climatological Summaries for Selected Stations in Virginia, published June 1972, VPI & SU.

Climatology of U.S., No. 60-44, published March 1971, NOAA.

Climatology of the U.S., No. 20, published April 1978, NOAA.

Climatology of U.S., No. 20, Supplemental No. 1, published January, 1988, NOAA.

TOTAL AND NORMAL PRECIPITATION FOR 2005 ^{1/}

Station	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	Precip.	Norm	Precip.	Norm	Precip.	Norm	Precip.	Norm	Precip.	Norm	Precip.	Norm
Tidewater												
Emporia 1 WNW	2.63	3.58	2.41	3.39	4.27	3.54	3.58	3.08	2.75	4.01	2.16	3.44
Fredericksburg Sewage	2.54	*	1.15	*	3.16	*	2.29	*	4.97	*	1.11	*
Holland 1 E	3.78	4.09	2.12	3.56	3.26	4.06	2.38	3.22	4.78	4.11	2.64	4.39
Hopewell	4.36	3.75	1.29	3.35	2.51	3.71	2.99	3.13	2.48	3.92	1.64	3.18
Langley Air Force Base	*	3.72	*	3.68	*	4.16	*	3.03	*	3.99	*	4.11
Norfolk Intl APR	2.48	3.78	2.32	3.47	2.25	3.70	2.74	3.06	4.02	3.81	4.50	3.82
Painter 2 W	3.65	3.75	2.25	3.40	3.21	4.16	1.98	2.92	4.56	3.48	6.75	3.34
Suffolk Lake Kilby	3.20	3.85	2.64	3.72	3.46	4.06	2.74	3.02	5.36	3.78	2.85	4.25
Walkerton 2 NW	3.15	3.44	1.32	3.25	3.17	3.68	2.07	2.96	4.76	4.08	1.14	3.98
Warsaw 2 NW	3.06	3.19	1.56	2.76	2.99	3.50	2.00	2.85	4.10	4.55	2.51	3.67
Williamsburg 2 N	3.12	3.83	2.38	3.54	3.32	4.18	3.28	3.01	4.64	4.52	1.61	4.03
Eastern Piedmont												
Chase City	2.80	3.56	0.93	3.20	3.69	3.67	1.79	3.25	2.83	4.02	1.98	3.66
Farmville 2 N	2.88	3.47	1.25	3.30	5.05	3.78	2.72	3.03	3.39	4.05	1.72	3.41
John H. Kerr Dam	2.32	3.48	*	3.25	4.24	3.82	1.18	3.09	2.63	3.95	1.97	3.51
Lawrenceville 3 E	2.38	3.57	1.11	3.71	3.23	3.94	2.58	3.01	2.91	3.82	2.04	4.02
Louisa	3.46	3.01	2.19	3.11	4.32	3.61	3.38	2.98	3.94	3.89	2.91	3.77
Richmond Intl APR	3.42	3.24	1.39	3.16	3.99	3.61	2.05	2.96	4.22	3.84	1.19	3.62
Western Piedmont												
Appomattox	1.80	2.95	*	3.07	2.28	3.80	2.41	3.32	2.77	4.16	2.23	3.27
Bedford	2.74	2.91	0.52	3.21	3.45	3.59	3.01	3.43	2.58	4.30	1.18	3.56
Charlotte Court House	3.74	3.40	0.97	3.27	3.90	3.70	2.46	3.15	3.32	3.85	3.34	3.68
Charlottesville 2 W	4.26	3.15	1.40	3.32	3.82	3.75	3.23	3.34	3.50	4.88	2.54	3.74
Chatham	3.39	3.30	2.21	3.39	4.30	3.99	1.92	3.47	4.03	4.18	2.91	3.46
Danville	2.21	3.43	1.72	3.42	3.12	3.89	1.99	3.24	1.80	3.85	2.48	3.65
Lynchburg Intl APR	3.73	2.86	1.79	3.04	3.51	3.47	2.25	3.09	2.12	3.91	3.33	3.45
Martinsville Filter Plant	2.51	*	2.41	3.57	3.20	4.08	2.27	3.60	1.32	4.21	2.42	3.81
Rocky Mount	3.65	3.05	1.84	*	5.98	3.79	3.64	3.71	0.87	4.12	2.53	3.59
Tye River 1 SE	4.73	3.22	1.21	3.24	3.28	3.94	2.98	3.31	3.14	4.55	4.21	3.17
Northern												
Big Meadows	*	3.26	*	*	*	3.87	*	3.84	*	4.77	*	4.41
Lincoln	*	*	1.05	*	3.96	3.57	3.64	3.49	3.54	*	1.56	4.17
Luray 5 E	*	*	*	2.65	*	*	*	2.96	*	3.75	*	3.46
Mount Weather	*	2.45	1.36	*	4.48	2.99	4.11	3.47	2.84	4.40	2.13	4.03
Piedmont Research Stn.	3.88	2.80	1.44	2.71	3.98	3.42	3.53	3.12	3.19	4.43	0.85	3.42
Warrenton 3 SE	*	2.94	*	*	*	3.29	2.15	3.24	5.09	4.06	2.12	3.62
Wash. Dulles Intl APR	3.14	2.70	1.41	2.81	3.93	3.17	4.34	3.11	4.86	4.02	1.92	3.92
Wash. Regan APR	3.31	2.72	1.63	2.71	4.46	3.17	4.33	2.71	4.61	3.66	2.87	3.38
Winchester 7 SE	2.04	*	1.22	2.48	4.04	3.06	2.35	3.08	3.74	3.74	1.13	3.87
Woodstock 2 NE	*	2.38	1.30	2.30	2.61	2.75	1.73	2.70	5.23	3.42	2.82	3.25
Central Mountain												
Buchanan	*	*	*	2.83	*	3.44	*	3.15	*	4.13	*	3.19
Dale Enterprise	1.33	*	1.14	*	2.87	2.45	2.86	2.52	2.09	3.38	1.59	2.96
Lexington	2.77	2.54	1.61	2.82	3.56	*	3.55	2.87	2.94	3.65	1.27	3.18
Roanoke Intl APR	2.15	2.62	2.20	3.04	3.72	3.48	2.63	3.25	2.15	3.98	5.07	3.19
Staunton Sewage Plant	*	2.30	*	2.28	3.47	2.88	3.26	2.82	2.61	3.60	1.71	2.75
Southwestern Mountain												
Blacksburg NWSO	2.71	2.76	2.02	2.89	4.43	3.56	2.35	3.62	1.69	4.04	4.02	3.41
Burkes Garden	4.34	3.23	2.59	3.32	4.29	3.77	4.71	3.65	1.64	4.52	4.32	3.98
Floyd 2 NE	*	2.67	0.96	2.97	5.46	*	2.73	3.58	2.10	3.94	3.16	3.34
Galax Radio WBRF	2.98	2.60	2.12	3.28	5.22	*	3.19	*	1.88	4.40	5.62	3.90
Staffordsville 3 ENE	2.95	2.53	1.84	2.73	3.69	3.12	2.97	3.31	1.65	3.66	3.32	3.21
Wytheville 1 S	2.42	2.48	2.18	2.74	3.94	2.99	3.69	3.09	1.20	3.95	4.41	3.03

Continued.

TOTAL AND NORMAL PRECIPITATION FOR 2005 ^{1/}, continued

Station	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		ANNUAL	
	Precip.	Norm	Precip.	Norm	Precip.	Norm	Precip.	Norm	Precip.	Norm	Precip.	Norm	Precip.	Norm
Tidewater														
Emporia 1 WNW	3.61	4.49	1.07	4.53	2.01	3.41	4.22	3.14	3.88	2.96	5.23	3.29	37.82	42.86
Fredericksburg Sewage	7.09	*	3.53	*	1.01	*	8.36	*	2.43	*	*	*	*	*
Holland 1 E	5.19	5.26	4.50	5.20	3.08	4.09	5.68	3.61	4.52	3.00	3.33	3.50	45.26	48.09
Hopewell	5.95	4.26	3.38	4.41	0.21	3.77	4.14	3.54	3.38	3.27	3.33	3.24	35.66	43.53
Langley Air Force Base	*	4.68	*	4.64	*	4.62	*	3.09	*	3.16	*	3.54	*	46.42
Norfolk Intl APR	3.67	5.06	7.61	4.81	2.90	3.90	5.53	3.15	3.79	2.85	4.30	3.23	46.11	44.64
Painter 2 W	5.82	4.29	5.76	3.80	0.32	3.16	7.05	3.08	2.86	3.03	4.18	*	48.39	*
Suffolk Lake Kilby	7.02	4.79	4.59	5.15	3.91	4.48	8.68	3.19	3.92	2.90	4.51	3.41	52.88	46.60
Walkerton 2 NW	8.25	4.56	1.75	3.94	0.20	3.47	5.89	3.25	3.75	3.32	*	*	*	*
Warsaw 2 NW	5.16	4.20	3.09	4.17	1.44	4.16	6.57	3.37	3.94	3.17	4.16	3.07	40.58	42.66
Williamsburg 2 N	5.40	4.96	6.90	4.72	0.65	4.25	4.60	3.21	3.31	3.48	4.09	3.35	43.30	47.08
Eastern Piedmont														
Chase City	2.89	3.99	2.55	3.76	0.22	3.50	6.11	3.85	3.16	3.40	*	3.40	*	43.26
Farmville 2 N	7.97	4.34	3.05	3.99	0.07	3.18	5.13	3.79	2.93	3.30	4.14	3.24	40.30	42.88
John H. Kerr Dam	3.26	4.22	2.24	3.94	1.00	3.29	3.04	3.53	2.59	3.22	6.47	3.23	30.94	42.53
Lawrenceville 3 E	3.62	3.97	1.16	4.44	1.11	3.75	4.20	3.46	3.93	3.43	6.06	3.29	34.33	44.41
Louisa	3.44	4.09	4.89	4.31	1.50	3.31	8.56	3.76	3.13	3.68	3.83	3.28	45.55	42.80
Richmond Intl APR	9.28	5.03	2.56	4.40	0.08	3.34	3.74	3.53	3.81	3.17	5.81	3.26	41.54	43.16
Western Piedmont														
Appomattox	4.21	4.40	4.42	4.08	0.03	3.49	5.84	*	*	3.38	3.73	*	29.72	*
Bedford	4.01	4.25	2.67	3.86	0.55	3.44	11.78	3.95	*	3.24	*	3.16	*	42.90
Charlotte Court House	3.93	3.91	3.43	3.97	0.20	3.68	*	3.90	*	3.20	*	3.25	*	42.96
Charlottesville 2 W	5.98	4.75	4.19	4.71	0.65	4.10	8.17	4.57	4.38	3.66	3.13	3.32	45.25	47.29
Chatham	6.58	4.40	2.89	3.81	0.79	3.77	3.39	3.85	4.47	3.39	3.13	3.38	40.01	44.39
Danville	4.31	4.42	3.40	*	0.90	3.39	4.71	3.67	3.96	3.14	3.91	3.28	34.51	*
Lynchburg Intl APR	4.31	4.16	2.28	3.59	0.12	3.24	7.29	3.70	3.50	3.14	3.03	3.23	37.26	40.88
Martinsville Filter Plant	8.27	4.86	3.28	3.96	1.05	3.89	4.58	3.95	2.94	3.25	4.13	3.41	38.38	*
Rocky Mount	5.81	4.98	2.37	4.21	0.36	4.00	6.34	4.02	3.65	3.25	*	*	*	*
Tye River 1 SE	6.08	4.57	4.62	3.62	0.12	3.69	8.43	4.40	*	3.44	3.32	3.20	42.12	44.35
Northern														
Big Meadows	*	4.50	*	4.34	*	4.81	*	5.24	*	5.20	*	3.50	*	*
Lincoln	6.96	3.75	2.34	3.97	0.11	3.46	*	3.29	3.33	*	2.17	3.14	28.66	*
Luray 5 E	*	3.71	*	3.54	1.01	3.44	*	3.53	*	*	*	2.82	*	*
Mount Weather	7.32	3.95	4.41	3.70	0.67	3.43	7.56	3.82	5.11	3.57	*	2.76	39.99	*
Piedmont Research Stn.	3.64	4.47	2.95	4.28	2.29	3.54	9.71	4.02	2.74	3.63	3.17	3.05	41.37	42.89
Warrenton 3 SE	4.05	3.72	3.87	3.72	*	3.40	8.05	3.49	2.67	*	2.78	3.10	*	*
Wash. Dulles Intl APR	7.85	3.49	2.32	3.94	0.15	3.36	9.22	3.20	2.49	3.01	2.92	3.22	44.55	40.24
Wash. Regan APR	6.06	3.80	2.33	3.91	0.11	3.31	9.41	3.02	1.92	3.05	3.34	3.12	*	38.63
Winchester 7 SE	5.95	3.89	3.25	3.46	0.85	3.11	5.29	3.19	4.30	2.66	1.30	2.52	35.46	*
Woodstock 2 NE	6.60	3.68	2.44	3.16	0.58	3.25	*	3.14	*	2.06	*	2.40	23.31	35.20
Central Mountain														
Buchanan	*	4.37	*	3.98	0.55	3.35	*	3.89	*	2.12	*	2.88	*	*
Dale Enterprise	4.60	3.57	2.96	3.58	0.22	3.25	4.22	3.19	3.47	2.44	2.08	2.27	29.43	*
Lexington	4.15	*	4.74	*	0.11	3.16	6.60	*	5.16	2.00	2.62	2.91	39.08	*
Roanoke Intl APR	4.96	3.91	3.72	4.15	0.23	3.50	5.05	3.85	3.63	2.13	2.36	2.97	37.87	41.13
Staunton Sewage Plant	5.91	3.49	2.60	3.67	*	3.46	*	3.63	4.84	2.60	*	2.42	24.40	33.50
Southwestern Mountain														
Blacksburg NWSO	5.47	4.01	3.74	3.77	0.25	3.51	3.38	3.63	*	2.37	*	2.82	*	40.91
Burkes Garden	5.92	4.66	3.45	3.94	0.70	3.32	3.38	3.39	3.86	4.66	2.94	*	*	*
Floyd 2 NE	3.46	3.85	2.98	3.40	0.35	3.83	6.53	4.01	4.25	3.17	2.14	2.70	34.12	*
Galax Radio WBRF	5.04	4.23	3.62	3.12	0.66	3.77	4.87	4.06	5.30	2.28	2.63	3.03	43.13	*
Staffordsville 3 ENE	6.34	3.95	3.11	3.50	0.31	3.17	2.46	3.12	2.73	2.92	2.72	2.57	34.09	37.54
Wytheville 1 S	4.71	4.20	1.83	3.44	0.66	3.09	2.62	3.40	2.93	2.55	2.29	2.61	32.88	37.74

1/ Preliminary. * Data incomplete.