

# Snow Cover Risk for Virginia Locations

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*The following example explains how to use this table.*

*In Albemarle County at the Charlottesville Station at 870 ft altitude there is a 25% risk of having 8 or more inches of snow cover for 5 days or more. This means that, in 1 year out of 4, this location probably will have snow cover for more than 5 days. At the 10% level, in 1 year out of 10, this location probably will have snow cover greater than 8" for 12 days. This table can be used to estimate how many days that livestock have to be fed hay because the snow is too deep for grazing.*

Risk of snow cover being deeper than the listed depth for more than the listed number of days at various locations in Virginia with length of record greater than or equal to 20 years or more (page 1 of 5).

County	Station	ID	Elev.	Lat.	Long.	Snow Depth						Length Of Record
						1 Inch			8 Inches			
						Risk Level						
50%	25%	10%	50%	25%	10%	Days of Snow Cover			years			
Accomack	Onley	6362	40	3741	7818	5	7	17	0	0	2	26
	Painter	6475	30	3735	8006	4	8	14	0	0	2	41
	Tangier Island	8323	10	3749	8110	0	1	4	0	0	1	44
Albemarle	Charlottesville	1593	870	3802	8005	14	28	40	0	5	12	48
	Charlottesville	1598	440	3802	7838	3	11	25	0	1	7	38
	Free Union	3213	500	3809	7711	0	6	14	0	0	2	41
Alleghany	Clifton Forge	1801	1060	3749	8141	6	12	15	0	2	3	33
	Covington	2041	1250	3748	7851	14	18	23	0	2	6	48
	Covington FP	2044	1230	3748	8008	4	13	19	0	1	3	36
	Earle Hurst	2600	2040	3740	7923	25	35	39	0	4	14	21
Amelia	Amelia	187	350	3721	7759	5	11	19	0	0	3	28
Amherst	Pedlar Dam	6593	1010	3740	7612	0	8	26	0	0	1	44
Appomattox	Appomattox	243	830	3721	7850	2	13	21	0	1	3	50
Arlington	Washingtn DC	8906	70	3851	7714	11	21	25	0	1	5	49
	Natl AP											
	Waverly Hills	8938	340	3853	7700	13	26	36	0	4	8	21
Augusta	Craigsville	2064	1600	3805	7722	11	26	38	0	3	11	34
	Deerfield	2315	1800	3812	7856	6	13	26	0	4	6	29
	North R Dam	6199	2400	3822	7552	0	0	5	0	0	0	30
	Staunton SP	8062	1480	3809	8022	5	11	24	0	2	3	50
	Stuarts Draft	8172	1450	3800	7903	0	0	1	0	0	0	26
Bath	Hot Springs	4128	2200	3800	7706	24	34	51	0	4	15	46
Bedford	Bedford	551	950	3720	7932	2	8	14	0	1	3	49

Risk of snow cover ... various locations in Virginia(page 2 of 5)

County	Station	ID	Elev.	Lat.	Long.	Snow Depth						Length Of Record
						1 Inch			8 Inches			
						Risk Level						
						50%	25%	10%	50%	25%	10%	
			ft	N	W	Days of Snow Cover						years
Bedford	Holcombs Rock	4039	580	3730	8052	0	12	25	0	0	1	26
	Huddleston	4148	980	3710	8208	0	0	2	0	0	0	46
Bland	Bland	792	2000	3706	8107	23	30	37	1	4	9	46
Botetourt	Buchanon	1121	880	3732	7857	1	4	16	0	0	1	63
Brunswick	Lawrenceville	4768	250	3646	7929	1	5	15	0	0	1	48
Buchanan	Grundy	3640	1040	3718	8055	8	15	28	0	0	3	45
Buckingham	Buckingham	1136	550	3733	7941	12	18	26	0	3	7	47
	New Canton	6004	300	3742	7926	6	19	28	0	2	9	28
Campbell	Altavista	166	500	3706	7918	7	13	19	0	1	2	49
	Brookneal	1082	500	3703	7818	4	12	20	0	0	3	36
	Concord	1955	650	3717	8219	12	23	27	0	3	7	48
	Lynchburg Muni AP	5120	950	3720	8013	10	18	26	0	2	5	42
Caroline	Corbin	2009	220	3812	7858	15	22	29	0	3	8	38
Carroll	Byllesby	1259	2610	3648	8120	7	18	36	0	2	5	31
	Galax WBRF	3267	2400	3640	7823	3	11	17	0	1	4	47
	Hillsville	3991	2570	3646	7926	15	21	34	0	2	8	50
Charlotte	Charlotte Court House	1585	560	3703	7600	1	4	9	0	0	1	49
	Randolph	7025	330	3654	8002	1	4	13	0	0	2	54
Chesapeake	Wallaceton	8837	30	3636	7745	0	0	5	0	0	0	68
	Lake Drumnd											
Clarke	Berryville	670	580	3909	7759	21	36	52	1	7	17	39
Craig	New Castle	6012	1310	3730	7743	8	15	31	0	2	7	37
Culpeper	Culpeper	2155	480	3829	8000	4	12	27	0	1	5	56
	Elkwood	2729	310	3826	7920	8	23	28	0	4	9	34
Cumberland	Farmville	2941	430	3718	7629	10	16	24	0	2	5	67
Dickenson	Clinchco	1808	1530	3710	7705	16	23	29	0	1	3	22
	Dante	2237	1760	3659	7759	8	15	22	0	1	3	31
	Flannagan L	4410	1460	3714	8044	13	22	30	0	0	4	29
	Falls Church	2922	320	3853	7612	16	32	37	0	4	12	21
Fairfax	Vienna Dunn	8737	500	3855	8016	20	29	39	0	2	11	48
	Loring											
Fauquier	The Plains	8396	590	3851	8043	23	33	42	1	6	10	44
	Warrenton	8888	550	3845	7845	21	33	38	0	4	12	47
Floyd	Copper Hill	1999	2800	3705	7809	15	27	38	1	5	10	50
	Floyd	3071	2600	3655	8014	1	5	14	0	0	2	50
	Rocky Knob	7330	3080	3651	8033	5	12	22	0	0	3	26
Fluvanna	Bremo Bluff	993	230	3742	7712	0	0	1	0	0	0	50
	Palmyra	6491	380	3752	8031	14	23	26	0	3	8	41
Franklin	Rocky Mount	7338	1130	3700	8035	8	18	29	0	1	4	49
Frederick	Winchester	9186	720	3911	7810	17	31	44	1	4	16	48
Giles	Glen Lyn	3397	1520	3722	7720	3	15	21	0	0	3	67
	Newport	6046	1900	3719	7800	1	3	4	0	0	1	48
	Newport News Press B	6054	60	3659	7823	0	0	1	0	0	0	31
	Staffordsville	8022	1960	3714	7958	16	28	35	0	2	7	47

Risk of snow cover ... various locations in Virginia(page 3 of 5)

						Snow Depth						Length Of Record
						1 Inch			8 Inches			
						Risk Level						
County	Station	ID	Elev.	Lat.	Long.	50%	25%	10%	50%	25%	10%	
			ft	N	W	Days of Snow Cover						years
Goochland	Columbia	1929	300	3746	7950	9	20	25	0	3	6	56
	Crozier	2142	300	3738	8000	13	22	29	0	3	11	22
	Crozier	8054	180	3738	7845	8	16	23	0	2	7	26
Grayson	Independence	4234	2600	3638	7851	10	15	22	0	4	7	36
	Trout Dale	8547	3100	3642	7904	14	28	39	0	3	7	46
Greensville	Emporia	2790	80	3641	7924	1	4	10	0	0	1	49
Halifax	Halifax	3695	440	3647	7957	0	6	16	0	0	2	21
Hampton (City)	Langley FB	4720	10	3705	7950	4	7	12	0	0	0	67
Hanover	Ashland	327	220	3746	7729	5	14	26	0	1	4	46
Henrico	Richmond Byrd AP	7201	170	3730	8022	8	14	19	0	1	3	49
Henry	Philpott Dam 2	6692	1120	3647	8238	7	16	22	0	1	5	44
King & Queen	Walkerton	8829	40	3744	7559	6	13	22	0	0	2	66
King & Suffolk	Drive	2504	20	3653	8218	0	0	1	0	0	0	37
Lee	Pennington Gap	6626	1590	3645	7617	9	16	27	0	2	5	65
Loudoun	Lincoln	4909	500	3907	8221	19	28	37	1	5	11	68
	Mount Weather	5851	1730	3904	7621	33	41	53	6	8	16	38
	Washington DC Dulles	8903	290	3857	7635	19	27	34	1	4	7	36
Louisa	Gordonsville	3466	460	3805	7728	14	26	28	0	3	7	37
	Louisa	5050	440	3802	7818	10	24	26	0	3	11	48
Madison	Big Meadows	720	3420	3831	7826	43	61	79	5	18	34	49
Mecklenburg	Chase City	1606	500	3646	7831	1	4	17	0	0	1	47
	Clarksville	1746	290	3638	7558	0	1	9	0	0	0	49
	J H Kerr Dam	4414	320	3636	7916	0	0	1	0	0	0	45
Middlesex	Urbanna	8642	50	3738	8016	8	12	17	0	0	2	24
Montgomery	Blacksburg	766	2040	3714	8025	21	30	43	0	3	12	44
	Lafayette	4676	1280	3714	7718	9	23	31	0	1	6	47
	Pilot	6723	2200	3703	7543	15	28	38	0	3	8	36
Nansemond	Holland	4044	80	3641	7811	3	9	14	0	0	1	49
	Suffolk L Kilby	8192	20	3644	7815	3	5	10	0	0	1	49
Nelson	Rockfish	7312	490	3748	7719	7	17	26	0	2	5	42
	Tye River	8600	550	3740	7724	5	8	12	0	1	3	49
New Kent	West Point	9025	20	3731	7701	8	15	19	0	0	2	44
Norfolk	Norfolk Intl AP	6139	40	3653	7912	3	7	10	0	0	1	49
Northampton	Cheriton	1636	10	3717	7831	0	3	6	0	0	0	29
	Nassawadox	5931	40	3729	7751	7	10	13	0	0	3	20
Nottoway	Blackstone	773	440	3704	7757	9	15	22	0	1	4	22
	Camp Pickett	1322	330	3702	8055	3	11	18	0	1	3	26
Orange	Piedmont	6712	500	3813	7916	13	24	34	0	2	6	48
	Research St											
	Rapidan	7033	300	3818	7806	14	27	35	0	2	5	34
	Somerset	7904	390	3814	7720	8	20	28	0	3	11	30
Page	Luray	5096	1200	3840	7931	12	25	46	0	3	9	50

Risk of snow cover ... various locations in Virginia(page 4 of 5)

County	Station	ID	Elev. Lat. Long.			Snow Depth						Length Of Record
						1 Inch			8 Inches			
						Risk Level						
50%	25%	10%	50%	25%	10%	Days of Snow Cover			years			
Patrick	Stuart 1	8169	1350	3638	8146	0	2	10	0	0	0	27
	Stuart 2	8170	1460	3638	8146	0	4	8	0	0	0	37
	Woolwine	9272	1490	3644	7649	1	3	6	0	0	1	47
Pittsylvania	Chatham	1614	850	3652	7830	2	7	15	0	0	2	68
	Danville	2245	570	3636	7815	2	7	12	0	0	1	49
Powhatan	Powhatan	6906	350	3732	7549	0	0	2	0	0	0	37
Prince George	Fort Lee	3127	60	3714	7746	0	1	3	0	0	2	21
	Hopewell	4101	40	3718	7930	0	5	10	0	0	1	68
Prince William	Quantico	6979	10	3830	7742	7	16	21	0	0	3	27
Pulaski	Allisonia	135	2000	3656	8045	4	15	28	0	0	3	46
	Pulaski	6955	1850	3703	7816	1	5	13	0	0	2	46
	Radford	6999	1730	3708	7917	0	0	2	0	0	0	24
Rappahannock	Radford 5 SW	7004	1860	3705	8303	14	24	40	0	2	15	20
	Amissville	193	550	3841	7801	15	29	36	2	6	11	33
	Washington DC	8902	650	3843	7857	0	0	8	0	0	0	33
Richmond	Warsaw	8894	140	3759	8126	12	19	26	0	0	5	46
Roanoke	Catawba	1471	1900	3723	7757	6	18	27	0	1	4	30
	Hospital											
	Roanoke	7285	1200	3719	8046	10	18	27	0	1	5	49
Rockbridge	Woodrum AP											
	Buena Vista	1159	840	3744	7833	2	11	21	0	1	5	47
	Glasgow	3375	740	3737	8019	10	23	27	0	3	11	29
Rockingham	Goshen	3470	1300	3759	7834	0	2	9	0	0	1	48
	Kerrsville	4565	1400	3751	7647	9	20	33	0	1	5	46
	Lexington	4876	1060	3747	8110	11	25	33	0	2	7	50
	Cootes Store	1986	1050	3838	7658	5	9	12	0	1	2	21
	Dale Enterprise	2208	1350	3827	7923	15	29	44	0	4	8	50
Shenandoah	Timberville	8448	1030	3838	7748	14	29	45	0	3	8	40
	Woodstock	9263	890	3852	7706	16	28	36	0	2	8	67
	Smyth	1675	2000	3647	7919	5	9	12	0	0	2	25
Smyth	Saltville	7501	1720	3653	7843	13	18	28	0	1	4	21
	Saltville 1 N	7506	1740	3653	7804	10	18	28	0	0	6	34
	Southampton	Boykins	956	40	3635	7623	4	8	11	0	0	3
Spotsylvania	Fredericksburg	3192	100	3818	7733	4	10	21	0	1	4	66
	Partlow	6533	250	3803	7626	0	0	2	0	0	0	25
Sussex	Stony Creek	8129	80	3657	7954	2	8	17	0	0	3	34
Tazewell	Burkes Garden	1209	3250	3706	7921	27	38	49	1	5	9	49
Virginia Beach	Backbay	385	10	3640	7555	0	0	2	0	0	0	44
	Wildlife Ref											
	Cape Henry	1362	40	3656	8059	3	7	9	0	0	0	21
Warren	Diamond Spgs	2368	20	3654	8148	1	5	8	0	0	0	32
	Riverton	7254	500	3857	7754	0	4	19	0	0	1	31
Washington	Abingdon	21	1920	3640	8158	12	19	31	0	1	6	28
	Damascus	2216	1950	3638	7748	14	23	25	0	1	3	24
Westmoreland	Colonial Beach	1913	10	3815	7833	0	0	1	0	0	0	33

Risk of snow cover ... various locations in Virginia(page 5 of 5)

						Snow Depth						Length Of Record
						1 Inch			8 Inches			
						Risk Level						
County	Station	ID	Elev.	Lat.	Long.	50%	25%	10%	50%	25%	10%	
			ft	N	W	Days of Snow Cover						years
Wise	North Fork L	6173	1680	3708	7753	15	23	34	0	2	6	28
	Wise 2 E	9215	2500	3658	7702	23	30	41	0	3	8	43
Wythe	Speedwell	7971	2340	3649	7811	0	2	2	0	0	0	35
	Wytheville	9301	2300	3656	7642	14	21	35	0	2	6	62
York	Williamsburg	9151	70	3716	7626	6	8	15	0	0	1	47