

Summary of Monthly Normals
1991-2020

Generated on 05/22/2024

Current Location: Elev: 2103 ft. Lat: 37.2039° N Lon: 80.4144° W

Station: BLACKSBURG NWSO, VA US USC00440766

Temperature (°F)																						
Mean							Cooling Degree Days						Heating Degree Days				Mean Number of Days					
							Base (above)						Base (above)									
Month	Daily Max	Daily Min	Mean	Long Term Max Std Dev	Long Term Min Std Dev	Long Term Avg Std Dev	55	57	60	65	70	72	55	57	60	65	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
01	41.6	22.1	31.9	3.7	3.7	3.5	0.5	0.2	0.0	0.0	0.0	0.0	718.1	779.8	872.6	1027.5	0.0	0.0	8.5	6.3	26.2	0.6
02	45.3	24.1	34.7	4.8	3.5	4.0	1.3	0.6	0.1	0.0	0.0	0.0	569.7	625.0	708.5	848.4	0.0	0.0	11.0	3.7	23.4	0.2
03	53.2	30.2	41.7	4.7	3.3	3.9	11.9	6.7	2.2	0.0	0.0	0.0	424.2	481.0	569.5	722.3	0.0	0.0	19.8	1.1	18.8	0.0
04	63.9	38.9	51.4	2.8	2.3	2.3	61.5	41.8	20.4	3.3	0.1	0.0	169.5	209.7	278.4	411.3	0.0	0.0	26.7	0.0	6.8	0.0
05	71.9	48.4	60.2	3.3	3.7	3.2	199.6	156.0	99.9	32.4	3.2	0.7	39.9	58.4	95.2	182.7	0.0	0.0	30.6	0.0	0.9	0.0
06	78.9	56.9	67.9	2.4	1.8	1.8	388.6	330.2	245.6	121.1	35.1	15.7	1.6	3.3	8.6	34.1	0.0	0.5	30.0	0.0	0.0	0.0
07	82.3	61.0	71.7	2.2	2.0	1.9	516.1	454.1	361.4	211.0	84.0	45.7	0.0	0.1	0.3	5.0	0.0	2.1	31.0	0.0	0.0	0.0
08	81.2	59.5	70.4	2.6	2.2	2.2	475.8	413.9	321.7	175.4	61.5	31.9	0.0	0.1	0.8	9.6	0.0	1.7	31.0	0.0	0.0	0.0
09	75.8	52.9	64.3	3.0	2.6	2.3	290.9	237.3	164.5	68.9	16.0	6.5	10.4	16.8	34.0	88.5	0.0	0.6	29.9	0.0	0.0	0.0
10	65.6	40.9	53.2	2.5	3.0	2.2	74.6	50.9	26.4	7.0	1.3	0.5	128.8	167.1	235.7	371.2	0.0	0.1	29.3	0.0	5.6	0.0
11	54.8	30.7	42.7	4.7	2.9	3.5	11.0	6.4	2.7	0.3	0.0	0.0	378.4	433.9	520.2	667.7	0.0	0.0	20.0	0.4	19.0	0.0
12	44.9	25.3	35.1	4.9	3.9	4.2	1.3	0.4	0.0	0.0	0.0	0.0	618.2	679.2	771.9	926.8	0.0	0.0	11.0	3.9	24.8	0.1
Summary	63.3	40.9	52.1	3.5	2.9	2.9	2033	1699	1245	619	201	101	3059	3454	4096	5295	0.0	5.0	278.8	15.4	125.5	0.9

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

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Precipitation (in.)									
	Totals	Mean Number of Days				Precipitation Probabilities Probability that precipitation will be equal to or less than the indicated amount			
	Means	Daily Precipitation				Monthly Precipitation vs. Probability Levels			
Month	Mean	>= 0.01	>= 0.10	>= 0.50	>= 1.00	0.25	0.50	0.75	
01	3.23	11.3	6.3	2.0	0.8	2.10	2.89	3.57	
02	2.83	10.5	6.3	1.8	0.4	1.86	2.28	3.48	
03	3.78	12.2	7.8	2.7	0.8	2.71	3.56	4.64	
04	3.77	12.5	7.9	2.7	0.8	2.80	3.86	4.94	
05	4.47	13.7	8.7	3.2	0.9	2.41	4.51	5.82	
06	4.27	12.3	7.3	2.6	1.2	2.80	3.63	5.31	
07	4.21	12.9	8.1	2.8	0.9	2.68	3.71	4.87	
08	3.57	11.5	6.8	2.5	0.7	2.57	3.51	4.26	
09	3.45	9.4	5.2	2.5	1.0	1.51	3.19	4.78	
10	2.91	9.1	5.2	2.0	0.7	1.73	2.72	3.91	
11	2.85	9.0	5.6	2.1	0.5	1.53	3.02	3.98	
12	3.30	11.7	6.6	2.3	0.6	2.24	2.74	4.05	
Summary	42.64	136.1	81.8	29.2	9.3	26.94	39.62	53.61	

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Snow (in.)													
	Totals	Mean Number of Days									Snow Probabilities Probability that snow will be equal to or less than the indicated amount		
	Means	Snowfall >= Thresholds					Snow Depth >= Thresholds				Monthly Snow vs. Probability Levels Values derived from the incomplete gamma distribution.		
Month	Snowfall Mean	0.01	1.0	3.0	5.00	10.00	1	3	5	10	.25	.50	.75
01	7.70	3.9	1.9	0.7	0.3	0.1	6.1	3.8	1.9	0.5	1.80	5.60	9.10
02	7.00	4.6	1.8	0.8	0.4	0.0	5.9	3.9	2.4	0.9	2.70	4.00	9.80
03	4.30	2.7	1.0	0.6	0.2	0.1	2.6	1.3	0.7	0.2	0.40	1.30	7.00
04	0.60	0.6	0.2	0.1	0.0	0.0	0.2	0.1	0.0	0.0	0.00	0.00	0.30
05	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
06	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
07	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
08	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
09	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	0.00	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	0.40	0.6	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.20
12	4.70	2.8	1.2	0.4	0.2	0.1	4.3	2.5	1.1	0.2	0.40	1.70	8.90
Summary	24.7	15.3	6.2	2.6	1.1	0.3	19.2	11.6	6.1	1.8	5.3	12.6	35.3

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Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	33.7	47.3	150.1	356.0	624.8	837.0	981.1	940.8	730.4	416.7	154.8	54.1
45	11.0	17.2	77.6	231.5	471.6	687.0	826.1	785.8	580.8	277.1	79.5	22.0
50	3.1	5.6	34.2	131.7	326.7	537.1	671.1	630.8	433.0	159.7	33.4	7.2
55	0.5	1.3	11.9	61.5	199.6	388.6	516.1	475.8	290.9	74.6	11.0	1.3
60	0.0	0.1	2.2	20.4	99.9	245.6	361.4	321.7	164.5	26.4	2.7	0.0
Growing Degree Units for Corn (Monthly)												
50/86	24.2	38.9	106.3	224.5	378.1	541.1	663.4	625.6	457.1	258.4	112.8	37.0

Growing Degree Units (Accumulated Monthly)												
40	34	81	231	587	1212	2049	3030	3971	4701	5118	5273	5327
45	11	28	106	337	809	1496	2322	3108	3689	3966	4045	4067
50	3	9	43	175	501	1038	1710	2340	2773	2933	2966	2974
55	0	2	14	75	275	663	1180	1655	1946	2021	2032	2033
60	0	0	2	23	123	368	730	1051	1216	1242	1245	1245
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	24	63	169	394	772	1313	1976	2602	3059	3318	3430	3467

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