

Summary of Monthly Normals
1991-2020

Generated on 04/25/2024

Current Location: Elev: 1360 ft. Lat: 36.7586° N Lon: 83.0106° W
Station: PENNINGTON GAP, VA US USC00446626

Temperature (°F)																						
Mean							Cooling Degree Days						Heating Degree Days				Mean Number of Days					
							Base (above)						Base (above)									
Month	Daily Max	Daily Min	Mean	Long Term Max Std Dev	Long Term Min Std Dev	Long Term Avg Std Dev	55	57	60	65	70	72	55	57	60	65	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
01	44.8	23.2	34.0	4.2	4.4	4.1	0.8	0.3	0.0	0.0	0.0	0.0	651.6	713.2	805.9	960.9	0.0	0.0	10.0	4.4	24.8	0.4
02	49.3	25.7	37.5	4.7	4.4	4.2	2.7	1.3	0.3	0.0	0.0	0.0	492.6	547.2	630.3	770.0	0.0	0.0	12.6	3.4	22.2	0.5
03	58.7	31.7	45.2	4.6	3.1	3.7	19.3	11.9	4.3	0.2	0.0	0.0	323.1	377.7	463.2	614.0	0.0	0.0	22.8	0.7	16.9	0.2
04	68.7	39.6	54.1	2.9	2.2	2.4	92.0	65.2	34.0	7.6	0.8	0.1	117.5	150.6	209.5	333.0	0.0	0.0	27.8	0.0	7.6	0.0
05	76.1	49.9	63.0	3.2	3.8	3.3	268.8	217.2	149.0	62.5	14.2	5.8	20.8	31.2	56.0	124.5	0.0	0.2	30.8	0.0	0.9	0.0
06	82.8	58.7	70.7	2.1	2.4	1.9	472.7	413.4	325.8	187.2	75.0	43.3	0.3	1.0	3.4	14.8	0.0	2.5	30.0	0.0	0.0	0.0
07	85.3	62.8	74.1	2.5	2.2	2.1	590.4	528.4	435.5	281.6	137.8	89.1	0.0	0.0	0.0	1.1	0.0	5.1	31.0	0.0	0.0	0.0
08	84.9	61.6	73.2	2.0	2.2	1.9	565.6	503.6	410.7	257.5	116.3	71.0	0.0	0.0	0.0	1.8	0.0	5.0	31.0	0.0	0.0	0.0
09	80.7	54.6	67.7	3.2	2.8	2.4	382.8	326.4	244.7	124.8	40.2	20.6	3.5	7.1	15.3	45.4	0.0	2.1	30.0	0.0	0.0	0.0
10	70.5	41.7	56.1	2.9	3.1	2.4	126.4	94.3	54.9	16.7	3.6	1.6	92.2	122.2	175.7	292.6	0.0	0.1	30.2	0.0	6.1	0.0
11	58.2	31.5	44.9	4.8	2.7	3.4	15.8	9.2	3.3	0.3	0.0	0.0	320.2	373.6	457.7	604.7	0.0	0.0	23.0	0.2	17.9	0.0
12	48.4	26.3	37.3	4.7	3.7	4.1	3.3	1.6	0.5	0.0	0.0	0.0	550.3	610.7	702.5	857.1	0.0	0.0	13.6	2.7	23.9	0.0
Summary	67.4	42.3	54.8	3.5	3.1	3.0	2541	2173	1663	938	388	231	2572	2934	3519	4620	0.0	15.0	292.8	11.4	120.3	1.1

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	4.41	10.9	7.9	3.2	1.2	3.00	4.16	5.32
02	4.37	10.1	7.2	2.7	0.9	2.20	3.55	5.05
03	4.86	11.8	8.2	2.9	1.1	3.12	4.47	6.76
04	4.59	10.8	7.5	3.5	1.2	2.88	3.96	5.85
05	4.32	12.1	8.5	3.0	0.6	2.87	4.32	5.73
06	4.39	12.2	8.3	2.2	0.7	3.46	4.35	5.38
07	4.44	12.9	8.7	3.0	1.2	2.57	4.23	5.42
08	3.95	10.5	7.5	2.5	0.6	3.11	3.94	4.73
09	3.71	7.9	5.6	2.3	0.9	1.91	3.64	4.51
10	2.99	7.9	5.2	1.5	0.5	1.57	2.83	3.92
11	2.88	8.5	5.7	1.7	0.8	2.09	2.57	3.18
12	4.77	10.8	7.8	2.9	0.9	3.37	4.76	6.17
Summary	49.68	126.4	88.1	31.4	10.6	32.15	46.78	62.02

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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	3.50	1.8	1.4	0.5	0.2	0.0	3.2	1.2	0.1	0.0	0.60	2.00	5.00
02	2.80	1.6	1.3	0.4	0.0	0.0	1.8	0.2	0.0	0.0	0.00	1.00	6.20
03	1.10	0.7	0.6	0.0	0.0	0.0	0.6	0.1	0.0	0.0	0.00	0.00	1.60
04	0.10	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
05	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
06	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
07	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
08	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
09	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
12	1.80	0.8	0.7	0.2	0.1	0.0	0.6	0.3	0.1	0.0	0.00	1.00	2.80
Summary	9.3	5.1	4.1	1.1	0.3	0.0	6.2	1.8	0.2	0.0	0.6	4.0	15.6

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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	48.1	71.8	216.9	431.7	713.0	922.3	1055.4	1030.6	829.3	502.7	199.3	70.9
45	17.0	28.8	122.1	297.1	558.9	772.4	900.4	875.6	679.3	358.3	108.5	29.7
50	5.2	10.4	55.7	180.9	409.4	622.4	745.4	720.6	529.7	229.6	46.5	10.1
55	0.8	2.7	19.3	92.0	268.8	472.7	590.4	565.6	382.8	126.4	15.8	3.3
60	0.0	0.3	4.3	34.0	149.0	325.8	435.5	410.7	244.7	54.9	3.3	0.5
Growing Degree Units for Corn (Monthly)												
50/86	35.9	60.9	166.6	292.4	455.9	612.1	722.6	701.3	542.7	341.3	155.0	52.8

Growing Degree Units (Accumulated Monthly)												
40	48	120	337	768	1482	2404	3459	4490	5319	5822	6021	6092
45	17	46	168	465	1024	1796	2697	3572	4252	4610	4718	4748
50	5	16	71	252	662	1284	2029	2750	3280	3509	3556	3566
55	1	4	23	115	384	856	1447	2012	2395	2522	2537	2541
60	0	0	5	39	188	513	949	1360	1604	1659	1662	1663
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	36	97	263	556	1012	1624	2346	3048	3590	3932	4087	4140

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