

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 510 ft. Lat: 39.1422° N Lon: 77.7094° W
Station: **PURCELLVILLE, VA US USC00444909**

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	41.0	24.5	32.8	4.4	4.1	4.1	1.9	1.0	0.4	0.0	0.0	0.0	691.5	752.6	844.9	999.6	0.0	0.0	8.3	5.4	25.4	0.2
02	44.0	25.9	35.0	4.7	3.8	4.0	1.5	0.6	0.2	0.0	0.0	0.0	562.9	618.0	701.5	841.3	0.0	0.0	9.4	3.1	22.2	0.2
03	52.6	32.3	42.5	4.3	3.0	3.6	13.4	8.2	3.6	0.6	0.1	0.0	402.4	459.1	547.5	699.5	0.0	0.0	19.1	0.7	18.7	0.1
04	64.5	42.2	53.4	2.3	2.4	2.1	86.4	63.8	37.6	12.5	2.1	0.8	135.9	173.3	237.2	362.0	0.0	0.3	28.2	0.0	5.2	0.0
05	72.9	51.6	62.2	3.7	4.1	3.7	247.6	199.5	137.0	61.4	20.1	10.9	22.8	36.7	67.2	146.7	0.0	1.2	31.0	0.0	0.4	0.0
06	81.4	61.1	71.2	2.5	1.6	1.9	488.1	428.9	341.6	207.3	99.6	67.9	0.7	1.4	4.3	19.9	0.0	5.4	30.0	0.0	0.0	0.0
07	86.4	65.5	76.0	3.1	2.3	2.5	649.4	587.4	494.3	339.8	194.2	143.7	0.0	0.0	0.0	0.5	0.5	12.4	31.0	0.0	0.0	0.0
08	84.7	63.9	74.3	2.7	2.5	2.4	598.3	536.2	443.3	290.9	152.7	106.3	0.0	0.0	0.2	2.7	0.4	8.3	31.0	0.0	0.0	0.0
09	77.8	56.1	66.9	3.1	2.7	2.4	364.0	308.7	230.6	121.5	47.4	28.9	5.5	10.3	22.2	63.1	0.0	2.6	30.0	0.0	0.0	0.0
10	66.3	44.3	55.3	2.6	3.0	2.4	104.7	75.8	44.3	15.2	3.9	1.9	95.5	128.5	189.9	315.8	0.0	0.0	30.0	0.0	3.6	0.0
11	54.9	34.5	44.7	4.2	2.7	3.3	15.2	8.9	3.7	0.5	0.0	0.0	324.2	377.9	462.6	609.5	0.0	0.0	21.5	0.1	15.5	0.0
12	44.7	28.4	36.5	4.4	3.3	3.7	2.8	1.4	0.5	0.0	0.0	0.0	574.7	635.3	727.3	881.9	0.0	0.0	10.3	2.4	23.7	0.1
Summary	64.3	44.2	54.2	3.5	3.0	3.0	2573	2220	1737	1050	520	360	2816	3193	3805	4942	0.9	30.2	279.8	11.7	114.7	0.6

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	3.05							
02	2.56							
03	3.61							
04	3.54							
05	4.35							
06	4.25							
07	4.08							
08	3.57							
09	4.77							
10	3.52							
11	3.13							
12	3.35							
Summary	43.78	0.0	0.0	0.0	0.0	0.00	0.00	0.00

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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	38.0	47.2	156.7	406.3	689.8	937.4	1114.3	1063.2	808.4	475.7	186.4	58.7
45	15.0	18.7	82.4	272.8	535.3	787.4	959.4	908.2	658.5	329.9	98.4	23.7
50	6.0	6.4	36.8	163.9	384.2	637.5	804.4	753.3	509.1	202.4	43.8	8.8
55	1.9	1.5	13.4	86.4	247.6	488.1	649.4	598.3	364.0	104.7	15.2	2.8
60	0.4	0.2	3.6	37.6	137.0	341.6	494.3	443.3	230.6	44.3	3.7	0.5
Growing Degree Units for Corn (Monthly)												
50/86	22.5	31.6	97.2	238.8	420.5	625.1	764.0	726.5	520.6	280.0	108.7	31.1

Growing Degree Units (Accumulated Monthly)												
40	38	85	242	648	1338	2275	3390	4453	5261	5737	5923	5982
45	15	34	116	389	924	1712	2671	3579	4238	4568	4666	4690
50	6	12	49	213	597	1235	2039	2792	3302	3504	3548	3557
55	2	3	17	103	351	839	1488	2087	2451	2555	2570	2573
60	0	1	4	42	179	520	1015	1458	1689	1733	1737	1737
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	22	54	151	390	811	1436	2200	2926	3447	3727	3835	3867

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86.
Empty or blank cells indicate data is missing or insufficient occurrences to compute value.