

Summary of Monthly Normals
1991-2020

Generated on 04/30/2024

Current Location: Elev: 3068 ft. Lat: 37.0908° N Lon: 81.3364° W

Station: BURKES GARDEN, VA US USC00441209

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	39.3	20.9	30.1	3.8	4.5	4.0	0.6	0.2	0.0	0.0	0.0	0.0	772.4	834.0	926.8	1081.8	0.0	0.0	7.1	10.1	25.7	2.1
02	42.4	22.9	32.6	5.2	4.2	4.5	0.8	0.3	0.1	0.0	0.0	0.0	626.6	682.1	765.8	905.8	0.0	0.0	8.2	6.5	23.5	0.8
03	50.4	29.0	39.7	4.9	3.2	3.9	8.0	4.2	1.2	0.0	0.0	0.0	482.3	540.5	630.5	784.3	0.0	0.0	16.7	3.4	20.1	0.1
04	61.2	37.1	49.1	3.1	2.4	2.5	42.0	26.9	12.1	1.4	0.0	0.0	217.4	262.4	337.6	476.9	0.0	0.0	25.4	0.2	11.4	0.0
05	68.9	45.6	57.2	3.3	3.4	3.0	138.4	101.5	56.4	11.5	0.7	0.1	68.7	93.8	141.6	251.8	0.0	0.0	30.0	0.0	2.8	0.0
06	75.6	53.7	64.7	2.2	2.0	1.7	294.5	238.8	161.4	58.5	8.4	2.4	5.0	9.3	21.9	69.1	0.0	0.0	30.0	0.0	0.0	0.0
07	78.8	57.3	68.0	2.1	1.9	1.7	404.7	343.2	252.9	116.0	24.5	7.9	0.2	0.7	3.4	21.5	0.0	0.0	31.0	0.0	0.0	0.0
08	77.5	55.6	66.6	2.4	2.4	2.0	358.5	297.5	209.0	84.0	14.7	5.2	0.5	1.5	6.0	36.0	0.0	0.1	31.0	0.0	0.0	0.0
09	72.8	48.9	60.9	3.2	3.1	2.4	200.6	154.0	93.3	27.1	2.2	0.3	25.1	38.5	67.9	151.6	0.0	0.1	29.9	0.0	1.0	0.0
10	62.6	37.8	50.2	2.7	3.4	2.5	45.6	29.3	13.9	2.6	0.2	0.1	194.3	240.1	317.7	461.4	0.0	0.0	27.6	0.1	10.5	0.0
11	51.7	28.5	40.1	4.6	3.1	3.4	6.5	3.4	1.1	0.1	0.0	0.0	453.5	510.3	598.0	747.0	0.0	0.0	17.5	1.9	20.9	0.0
12	42.9	23.9	33.4	5.2	4.6	4.8	1.3	0.4	0.0	0.0	0.0	0.0	670.9	732.0	824.6	979.5	0.0	0.0	9.5	6.6	24.6	0.4
Summary	60.3	38.4	49.4	3.6	3.2	3.0	1501	1200	801	301	51	16	3517	3945	4642	5967	0.0	0.2	263.9	28.8	140.5	3.4

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	3.98	14.7	8.1	2.5	1.0	2.97	3.42	4.48
02	3.67	12.9	8.2	2.4	0.7	2.53	3.40	4.52
03	4.42	13.8	9.3	3.1	0.8	3.39	4.27	5.44
04	4.05	12.8	8.2	2.8	0.7	2.79	4.17	5.05
05	4.72	15.5	10.9	3.4	0.9	3.31	4.52	6.35
06	4.27	15.4	9.5	2.7	0.8	3.20	4.07	4.92
07	4.62	16.1	9.7	3.3	1.0	3.54	4.39	5.52
08	4.03	14.3	8.6	2.7	0.6	2.35	3.97	5.13
09	3.64	10.9	6.9	2.5	0.9	2.30	3.46	4.63
10	3.16	10.8	6.2	2.3	0.9	1.61	3.21	4.30
11	2.96	10.3	6.5	2.0	0.5	1.80	2.97	3.72
12	4.05	13.9	8.6	2.9	0.7	2.98	3.97	4.99
Summary	47.57	161.4	100.7	32.6	9.5	32.77	45.82	59.05

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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	13.20	6.6	4.5	1.5	0.5	0.1	12.2	6.6	2.7	0.7	6.80	12.30	19.20
02	11.40	6.1	4.5	1.5	0.5	0.0	10.2	6.2	3.7	1.4	5.20	10.50	14.70
03	9.10	4.4	3.2	1.0	0.3	0.1	6.2	3.0	1.3	0.3	3.60	6.10	12.20
04	1.30	0.9	0.6	0.3	0.0	0.0	0.7	0.2	0.0	0.0	0.00	0.50	1.50
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	0.60	0.2	0.2	0.1	0.0	0.0	0.3	0.1	0.1	0.0	0.00	0.00	0.00
11	2.20	1.6	1.0	0.2	0.0	0.0	1.8	0.5	0.1	0.0	0.00	1.30	2.10
12	9.10	5.0	3.5	1.1	0.4	0.1	8.9	4.5	2.2	0.4	3.00	6.80	15.00
Summary	46.9	24.8	17.5	5.7	1.7	0.3	40.3	21.1	10.1	2.8	18.6	37.5	64.7

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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	36.8	38.8	126.7	300.7	535.9	739.4	869.4	823.0	625.5	332.8	117.1	54.4
45	13.3	15.2	62.3	186.0	386.8	589.5	714.4	668.0	476.7	206.5	57.3	23.4
50	3.7	4.9	25.6	99.4	250.8	440.1	559.4	513.0	332.6	109.8	23.3	7.4
55	0.6	0.8	8.0	42.0	138.4	294.5	404.7	358.5	200.6	45.6	6.5	1.3
60	0.0	0.1	1.2	12.1	56.4	161.4	252.9	209.0	93.3	13.9	1.1	0.0
Growing Degree Units for Corn (Monthly)												
50/86	17.9	25.6	82.9	190.2	319.9	460.2	564.8	522.3	384.5	213.6	84.3	29.4

Growing Degree Units (Accumulated Monthly)												
40	37	76	202	503	1039	1778	2648	3471	4096	4429	4546	4601
45	13	28	91	277	664	1253	1968	2636	3112	3319	3376	3399
50	4	9	34	134	384	824	1384	1897	2230	2339	2363	2370
55	1	1	9	51	190	484	889	1248	1448	1494	1500	1501
60	0	0	1	13	70	231	484	693	786	800	801	801
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	18	44	126	317	636	1097	1662	2184	2568	2782	2866	2896

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