

Summary of Monthly Normals
1991-2020

Generated on 05/23/2024

Current Location: Elev: 169 ft. Lat: 38.1692° N Lon: 79.0844° W
Station: **STAUNTON WTP, VA US USC00448062**

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	42.4	24.7	33.6	3.7	4.1	3.8	2.9	1.5	0.4	0.0	0.0	0.0	667.8	728.4	820.2	974.8	0.0	0.0	8.5	6.4	24.5	0.4
02	45.8	26.6	36.2	4.9	4.0	4.3	3.4	1.8	0.6	0.1	0.0	0.0	529.7	584.2	666.9	806.4	0.0	0.0	10.2	3.4	21.7	0.1
03	53.8	32.8	43.3	4.7	3.6	4.0	21.3	14.2	6.9	1.0	0.1	0.0	384.0	438.8	524.5	673.6	0.0	0.0	19.4	1.1	16.9	0.0
04	64.7	42.5	53.6	2.7	2.3	2.4	97.2	73.0	44.3	14.7	2.8	1.2	139.2	175.0	236.3	356.7	0.0	0.0	27.0	0.0	4.3	0.0
05	72.7	51.6	62.1	3.4	3.4	3.3	248.0	200.4	138.2	60.5	16.6	8.1	26.3	40.7	71.5	148.9	0.0	0.2	30.8	0.0	0.2	0.0
06	80.3	59.9	70.1	2.4	1.9	1.9	453.8	395.0	309.1	177.8	75.3	46.0	0.9	2.0	6.2	24.8	0.0	1.5	30.0	0.0	0.0	0.0
07	84.1	63.8	73.9	2.6	2.0	2.1	587.4	525.4	432.4	279.1	139.2	93.4	0.0	0.0	0.1	1.7	0.0	4.9	31.0	0.0	0.0	0.0
08	82.7	62.2	72.4	2.4	1.8	1.9	540.9	479.0	386.4	235.9	106.7	67.6	0.0	0.1	0.6	5.1	0.0	3.6	31.0	0.0	0.0	0.0
09	76.7	55.7	66.2	3.0	2.2	2.3	342.8	287.8	211.1	105.4	36.3	20.8	6.8	11.9	25.3	69.5	0.0	1.1	30.0	0.0	0.0	0.0
10	66.4	44.2	55.3	2.7	3.1	2.5	108.5	79.5	47.0	16.7	4.2	2.1	99.2	132.2	192.6	317.3	0.0	0.1	29.6	0.0	3.6	0.0
11	55.2	35.5	45.3	4.4	3.4	3.7	20.2	12.2	5.5	0.9	0.0	0.0	309.7	361.7	445.0	590.4	0.0	0.0	20.4	0.2	12.7	0.0
12	45.8	28.4	37.1	4.8	4.1	4.4	4.3	2.5	1.0	0.1	0.0	0.0	559.1	619.3	710.7	864.9	0.0	0.0	11.7	3.4	22.3	0.0
Summary	64.2	44.0	54.1	3.5	3.0	3.1	2431	2072	1583	892	381	239	2723	3094	3700	4834	0.0	11.4	279.6	14.5	106.2	0.5

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	2.88	8.6	5.5	2.0	0.7	2.04	2.33	3.50	
02	2.38	7.4	4.9	1.6	0.6	1.26	1.97	2.62	
03	3.43	9.4	6.5	2.6	0.9	2.59	3.35	4.09	
04	3.26	10.7	6.5	2.3	0.6	1.88	3.37	4.23	
05	4.06	13.3	9.0	2.6	0.6	2.51	3.83	5.23	
06	4.11	11.3	7.3	2.7	1.0	2.39	3.49	5.23	
07	4.15	11.5	7.6	2.8	1.0	2.61	4.04	5.53	
08	3.97	11.8	7.2	2.7	0.9	2.41	2.93	4.87	
09	4.21	9.5	6.0	2.7	1.3	1.30	3.53	5.91	
10	2.61	8.4	4.9	1.7	0.7	1.62	2.27	3.56	
11	2.62	7.5	5.1	2.0	0.6	1.58	2.52	3.61	
12	2.96	9.1	5.5	2.3	0.8	2.01	2.69	3.79	
Summary	40.64	118.5	76.0	28.0	9.7	24.20	36.32	52.17	

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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	5.40	2.2	1.3	0.6	0.3	0.0	4.8	1.5	0.6	0.2	1.40	4.40	8.00
02	6.80	2.6	1.9	1.1	0.4	0.0	6.1	3.8	2.1	0.7	1.30	4.10	10.20
03	4.10	1.6	1.1	0.6	0.4	0.1	2.8	1.5	0.8	0.2	0.40	1.10	5.70
04	0.10	0.1	0.0	0.0	0.0	0.0	0.1	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	0.40	0.2	0.1	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.00	0.00	0.00
12	4.80	2.0	1.2	0.6	0.2	0.0	4.4	1.7	0.8	0.1	0.00	1.20	6.50
Summary	21.6	8.7	5.6	2.9	1.3	0.1	18.5	8.6	4.3	1.2	3.1	10.8	30.4

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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	53.2	66.8	182.5	416.8	686.7	902.9	1052.3	1005.8	785.9	477.0	210.0	78.5
45	22.6	29.2	102.9	286.6	532.3	752.9	897.4	850.9	636.1	332.9	118.7	35.4
50	9.3	10.6	50.1	177.9	382.5	603.0	742.4	695.9	487.2	205.4	55.8	14.3
55	2.9	3.4	21.3	97.2	248.0	453.8	587.4	540.9	342.8	108.5	20.2	4.3
60	0.4	0.6	6.9	44.3	138.2	309.1	432.4	386.4	211.1	47.0	5.5	1.0
Growing Degree Units for Corn (Monthly)												
50/86	28.7	41.0	111.9	247.5	415.6	598.9	723.2	682.3	499.1	279.9	114.6	40.3
Growing Degree Units (Accumulated Monthly)												
40	53	120	302	719	1406	2309	3361	4367	5153	5630	5840	5918
45	23	52	155	441	974	1726	2624	3475	4111	4444	4562	4598
50	9	20	70	248	630	1233	1976	2672	3159	3364	3420	3434
55	3	6	28	125	373	827	1414	1955	2298	2406	2426	2431
60	0	1	8	52	190	500	932	1318	1529	1576	1582	1583
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	29	70	182	429	845	1444	2167	2849	3348	3628	3743	3783

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