

Summary of Monthly Normals
1991-2020

Generated on 06/03/2024

Current Location: Elev: 1315 ft. Lat: 36.9769° N Lon: 79.8961° W

Station: **ROCKY MT, VA US USC00447338**

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	47.0	26.4	36.7	3.8	4.3	3.9	2.6	1.3	0.5	0.0	0.0	0.0	569.7	630.5	722.7	877.2	0.0	0.0	12.6	3.0	23.4	0.2
02	50.8	27.2	39.0	4.4	3.0	3.5	4.3	2.4	0.8	0.0	0.0	0.0	452.1	506.2	588.8	728.0	0.0	0.0	15.2	1.1	21.4	0.1
03	58.8	33.6	46.2	4.5	3.2	3.7	29.1	19.4	10.0	1.7	0.0	0.0	301.8	354.1	437.8	584.5	0.0	0.0	24.1	0.2	14.8	0.0
04	69.6	41.7	55.6	2.4	2.5	2.2	114.1	86.0	52.1	16.8	2.5	0.8	94.7	126.6	182.6	297.3	0.0	0.2	28.8	0.0	4.5	0.0
05	76.2	51.6	63.9	3.5	3.5	3.2	291.4	239.8	169.2	77.9	22.1	10.6	15.5	25.9	48.3	112.1	0.0	0.9	30.9	0.0	0.4	0.0
06	83.2	60.3	71.8	2.8	1.8	2.1	502.8	443.5	355.4	215.4	98.0	62.3	0.5	1.1	3.0	13.0	0.0	4.8	30.0	0.0	0.0	0.0
07	86.6	64.8	75.7	2.5	1.8	2.0	641.5	579.6	486.6	332.6	185.0	132.0	0.0	0.0	0.0	0.9	0.1	10.2	31.0	0.0	0.0	0.0
08	85.2	63.0	74.1	2.4	2.1	2.0	591.9	530.0	437.1	284.0	143.3	96.9	0.0	0.0	0.1	1.9	0.0	7.3	31.0	0.0	0.0	0.0
09	78.6	56.0	67.3	3.3	2.4	2.4	372.1	315.4	234.5	119.2	42.0	22.9	3.3	6.4	15.6	50.3	0.0	2.3	30.0	0.0	0.0	0.0
10	69.7	43.8	56.7	2.5	3.2	2.2	125.8	91.6	52.9	17.3	3.5	1.6	71.5	99.4	153.6	273.1	0.0	0.1	30.4	0.0	3.2	0.0
11	59.1	33.5	46.3	4.2	2.9	3.3	20.0	12.2	5.5	0.8	0.0	0.0	280.9	333.1	416.4	561.8	0.0	0.0	24.4	0.0	15.2	0.0
12	50.0	29.0	39.5	4.1	3.6	3.7	5.0	2.7	0.9	0.0	0.0	0.0	485.3	545.1	636.3	790.5	0.0	0.0	15.4	0.8	21.3	0.0
Summary	67.9	44.2	56.1	3.4	2.9	2.9	2701	2324	1806	1066	496	327	2275	2628	3205	4291	0.1	25.8	303.8	5.1	104.2	0.3

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	3.88	9.9	6.5	2.7	1.1	2.48	3.68	4.62
02	3.11	8.9	5.8	2.1	0.6	1.83	2.58	3.69
03	3.99	10.3	7.0	2.6	1.0	2.70	3.74	4.70
04	4.07	11.0	7.4	3.0	1.2	2.81	3.84	5.95
05	4.49	12.3	7.9	2.9	1.0	2.79	3.94	5.97
06	4.86	11.0	7.0	2.8	0.9	2.55	4.78	6.43
07	4.49	13.1	7.8	3.0	1.1	2.76	4.05	5.60
08	4.10	11.6	7.1	2.6	0.9	2.39	3.80	6.05
09	5.00	10.3	6.5	2.8	1.7	2.51	3.80	7.38
10	3.40	8.7	5.3	2.7	1.0	1.91	3.20	4.70
11	3.66	8.8	5.2	2.0	1.0	1.86	2.99	5.09
12	4.13	9.9	6.7	2.8	1.2	3.09	3.79	5.32
Summary	49.18	125.8	80.2	32.0	12.7	29.68	44.19	65.50

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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	3.60	2.0	1.6	0.5	0.2	0.1	3.9	1.9	0.9	0.5	1.80	2.90	4.10
02	4.90	1.4	1.1	0.7	0.2	0.1	3.3	1.7	0.7	0.1	0.00	1.00	5.90
03	2.50	0.9	0.8	0.3	0.1	0.0	0.9	0.4	0.1	0.0	0.00	0.00	2.00
04	0.20	0.1	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	1.40	1.1	0.6	0.3	0.1	0.0	2.2	1.2	0.9	0.2	0.00	0.00	1.10
Summary	12.6	5.5	4.2	1.8	0.6	0.2	10.3	5.2	2.6	0.8	1.8	3.9	13.1

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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	72.8	85.4	233.6	472.2	740.9	952.4	1106.6	1057.0	818.9	519.9	218.9	94.4
45	29.6	38.3	136.2	331.9	586.1	802.4	951.6	902.0	668.9	370.8	120.3	41.9
50	9.4	13.9	69.0	207.9	433.5	652.4	796.6	747.0	519.1	234.5	55.3	15.4
55	2.6	4.3	29.1	114.1	291.4	502.8	641.5	591.9	372.1	125.8	20.0	5.0
60	0.5	0.8	10.0	52.1	169.2	355.4	486.6	437.1	234.5	52.9	5.5	0.9
Growing Degree Units for Corn (Monthly)												
50/86	46.4	67.1	160.1	303.8	465.6	636.1	758.1	716.4	526.6	325.4	149.0	59.9

Growing Degree Units (Accumulated Monthly)												
40	73	158	392	864	1605	2557	3664	4721	5540	6060	6279	6373
45	30	68	204	536	1122	1924	2876	3778	4447	4818	4938	4980
50	9	23	92	300	734	1386	2183	2930	3449	3683	3739	3754
55	3	7	36	150	442	944	1586	2178	2550	2676	2696	2701
60	0	1	11	63	233	588	1075	1512	1746	1799	1805	1806
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	46	114	274	577	1043	1679	2437	3154	3680	4006	4155	4214

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