

Summary of Monthly Normals
1991-2020

Generated on 04/27/2024

Current Location: Elev: 1910 ft. Lat: 37.0925° N Lon: 81.7936° W

Station: RICHLANDS, VA US USC00447174

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	44.1	22.7	33.4	4.0	4.6	4.1	1.7	0.6	0.0	0.0	0.0	0.0	671.2	732.1	824.6	979.5	0.0	0.0	10.8	5.7	25.4	1.0
02	47.7	25.2	36.5	4.5	3.8	4.0	1.9	0.7	0.1	0.0	0.0	0.0	521.2	576.0	659.5	799.4	0.0	0.0	13.1	3.6	22.4	0.3
03	55.7	30.8	43.2	4.8	3.5	4.0	14.5	8.0	2.8	0.1	0.0	0.0	378.7	434.2	522.0	674.4	0.0	0.0	21.4	1.1	18.4	0.1
04	66.1	38.8	52.5	2.9	2.3	2.4	71.1	47.9	23.2	3.8	0.1	0.0	147.6	184.4	249.7	380.3	0.0	0.0	27.2	0.0	9.0	0.0
05	74.1	48.6	61.3	3.2	3.5	3.1	227.8	181.2	120.0	43.3	5.7	1.5	31.0	46.4	78.2	156.4	0.0	0.0	30.8	0.0	1.1	0.0
06	80.4	57.4	68.9	2.1	1.6	1.6	417.9	358.9	272.4	140.7	43.4	20.4	0.9	1.9	5.4	23.8	0.0	0.5	30.0	0.0	0.0	0.0
07	83.2	61.5	72.3	1.9	2.2	1.9	537.8	475.8	382.8	230.5	95.9	54.1	0.0	0.0	0.0	2.7	0.0	2.4	31.0	0.0	0.0	0.0
08	82.7	60.2	71.4	2.3	2.0	1.9	509.9	448.0	355.2	204.0	75.7	39.4	0.0	0.0	0.3	4.1	0.0	1.7	31.0	0.0	0.0	0.0
09	78.1	53.4	65.7	3.3	2.7	2.5	329.5	274.5	197.3	89.6	24.5	10.5	7.1	12.1	24.8	67.1	0.0	0.8	30.0	0.0	0.0	0.0
10	67.8	40.8	54.3	2.6	3.3	2.4	93.2	65.5	33.8	8.0	1.4	0.6	114.9	149.2	210.5	339.6	0.0	0.1	29.8	0.0	6.8	0.0
11	57.1	31.0	44.0	4.7	2.9	3.5	15.0	8.9	3.4	0.3	0.0	0.0	343.4	397.4	481.9	628.8	0.0	0.0	21.7	0.4	19.0	0.0
12	47.6	26.1	36.8	5.0	4.3	4.5	2.7	1.1	0.2	0.0	0.0	0.0	565.3	625.7	717.9	872.6	0.0	0.0	14.0	3.4	23.7	0.1
Summary	65.4	41.4	53.4	3.4	3.1	3.0	2223	1871	1391	720	247	126	2781	3159	3775	4929	0.0	5.5	290.8	14.2	125.8	1.5

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	3.35	13.4	7.5	2.0	0.6	2.20	2.88	4.24
02	3.28	12.4	7.3	2.1	0.5	2.12	2.76	3.74
03	4.02	13.4	8.6	2.6	0.8	2.75	3.81	5.28
04	3.98	12.7	8.4	2.5	0.7	2.73	3.97	4.93
05	4.47	13.8	10.0	3.3	0.8	2.99	4.19	5.57
06	4.30	12.8	8.9	3.0	0.7	3.27	4.08	5.53
07	4.75	13.2	8.6	3.1	1.0	3.97	4.76	5.22
08	3.82	10.4	7.5	2.7	0.6	2.80	3.78	4.68
09	3.36	9.2	6.1	2.4	0.8	2.41	2.98	4.07
10	2.72	9.0	5.3	1.7	0.6	1.66	2.28	3.41
11	2.77	10.3	6.3	1.6	0.4	1.81	2.62	3.49
12	3.78	13.0	8.3	2.4	0.6	2.53	3.93	4.76
Summary	44.60	143.6	92.8	29.4	8.1	31.24	42.04	54.92

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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	6.30	3.4	2.3	0.7	0.2	0.0	5.4	1.9	0.7	0.0	1.90	5.00	10.40
02	4.40	2.5	1.9	0.4	0.2	0.0	4.2	1.8	1.1	0.2	1.00	4.10	6.30
03	2.90	1.8	0.8	0.3	0.2	0.0	1.4	0.6	0.4	0.2	0.00	1.00	4.00
04	0.30	0.2	0.1	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	0.30	0.4	0.2	0.1	0.0	0.0	0.3	0.1	0.0	0.0	0.00	0.00	0.00
12	3.40	2.0	1.2	0.4	0.2	0.0	2.9	1.1	0.6	0.1	0.00	0.50	2.60
Summary	17.6	10.3	6.5	1.9	0.8	0.0	14.3	5.5	2.8	0.5	2.9	10.6	23.3

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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	54.2	65.7	181.6	385.8	661.9	866.9	1002.8	974.9	772.3	449.5	181.3	78.0
45	21.4	26.4	97.7	257.7	508.4	716.9	847.8	819.9	622.5	308.4	96.2	33.7
50	7.4	9.1	43.5	150.1	360.8	567.0	692.8	664.9	473.7	185.1	42.2	11.8
55	1.7	1.9	14.5	71.1	227.8	417.9	537.8	509.9	329.5	93.2	15.0	2.7
60	0.0	0.1	2.8	23.2	120.0	272.4	382.8	355.2	197.3	33.8	3.4	0.2
Growing Degree Units for Corn (Monthly)												
50/86	38.8	53.0	133.0	255.5	415.7	568.6	683.0	656.6	494.5	292.2	139.6	56.0

Growing Degree Units (Accumulated Monthly)												
40	54	120	302	687	1349	2216	3219	4194	4966	5416	5597	5675
45	21	48	146	403	912	1628	2476	3296	3919	4227	4323	4357
50	7	16	60	210	571	1138	1831	2496	2969	3154	3197	3208
55	2	4	18	89	317	735	1273	1783	2112	2205	2220	2223
60	0	0	3	26	146	418	801	1156	1354	1388	1391	1391
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	39	92	225	480	896	1465	2148	2804	3299	3591	3730	3786

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