

Summary of Monthly Normals
1991-2020

Generated on 05/22/2024

Current Location: Elev: 1912 ft. Lat: 36.9028° N Lon: 82.0383° W
Station: **LEBANON, VA US USC00444777**

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	44.9	22.9	33.9	3.9	4.5	4.0	2.5	1.2	0.4	0.0	0.0	0.0	656.5	717.2	809.4	964.0	0.0	0.0	12.0	5.4	24.8	0.7
02	48.4	25.6	37.0	5.0	4.1	4.3	3.9	2.1	0.8	0.1	0.0	0.0	507.9	562.1	644.8	784.1	0.0	0.0	13.9	3.4	21.6	0.3
03	56.5	31.4	44.0	4.7	3.8	4.0	19.9	12.3	5.4	1.2	0.0	0.0	362.4	416.8	503.0	653.7	0.0	0.0	22.2	0.9	17.5	0.0
04	66.9	39.5	53.2	3.1	2.2	2.4	83.3	58.5	31.0	7.3	0.6	0.2	137.3	172.5	235.0	361.3	0.0	0.0	27.6	0.0	7.9	0.0
05	74.5	48.5	61.5	3.2	3.4	3.1	232.2	184.4	121.9	43.9	5.6	1.5	30.8	45.0	75.4	152.4	0.0	0.0	30.8	0.0	0.8	0.0
06	81.2	56.9	69.1	2.3	1.9	1.8	422.4	363.4	277.0	144.4	45.7	22.3	1.0	2.0	5.5	23.0	0.0	0.8	30.0	0.0	0.0	0.0
07	84.0	61.0	72.5	2.1	2.2	2.0	542.4	480.5	387.5	235.2	99.0	56.3	0.0	0.0	0.0	2.8	0.0	2.6	31.0	0.0	0.0	0.0
08	83.2	59.7	71.5	2.3	2.1	2.0	509.9	448.0	355.1	204.1	77.6	41.4	0.0	0.0	0.2	4.2	0.0	1.7	31.0	0.0	0.0	0.0
09	78.7	53.2	65.9	3.2	2.9	2.6	334.8	279.1	201.0	92.5	26.4	11.8	6.3	10.7	22.5	64.1	0.0	0.9	30.0	0.0	0.0	0.0
10	68.1	40.8	54.4	2.6	3.3	2.5	98.2	70.5	38.4	11.0	2.4	1.1	115.3	149.6	210.4	338.0	0.0	0.1	29.7	0.0	6.6	0.0
11	57.0	30.9	44.0	4.6	3.0	3.5	17.6	11.3	5.0	0.6	0.0	0.0	349.0	402.7	486.5	632.0	0.0	0.0	22.2	0.5	18.7	0.0
12	48.2	26.4	37.3	5.0	4.2	4.5	4.9	2.6	0.8	0.0	0.0	0.0	553.6	613.3	704.5	858.7	0.0	0.0	14.2	3.2	23.1	0.1
Summary	66.0	41.4	53.7	3.5	3.1	3.1	2272	1914	1424	740	257	135	2720	3092	3697	4838	0.0	6.1	294.6	13.4	121.0	1.1

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	3.49	12.3	7.0	2.4	0.8	2.23	3.16	4.25
02	3.68	11.9	7.5	2.6	0.7	2.24	3.32	4.20
03	4.18	13.6	8.9	2.9	0.7	3.16	3.88	5.12
04	4.12	12.4	8.3	2.8	0.7	2.86	3.52	5.11
05	4.42	14.0	9.6	2.9	0.7	3.10	3.99	5.15
06	4.31	12.6	8.8	3.0	0.8	3.20	4.31	5.13
07	4.86	13.2	9.2	3.3	1.0	3.68	4.58	5.64
08	4.04	11.3	7.9	2.6	1.0	2.59	3.88	5.14
09	3.34	8.6	5.6	2.4	0.9	2.03	2.64	4.76
10	2.55	9.1	5.0	1.6	0.5	1.55	2.12	3.02
11	3.01	9.5	6.0	2.1	0.6	1.86	2.92	3.95
12	3.94	12.7	7.9	2.8	0.7	2.59	4.10	5.11
Summary	45.94	141.2	91.7	31.4	9.1	31.09	42.42	56.58

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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	4.40	2.5	1.5	0.4	0.2	0.1	3.3	1.5	0.9	0.3	1.10	2.00	5.00
02	2.80	2.0	1.2	0.3	0.2	0.0	2.9	1.4	0.7	0.2	0.20	1.50	3.10
03	2.50	1.3	0.7	0.2	0.1	0.0	1.4	0.5	0.3	0.1	0.00	0.70	1.80
04	0.00	0.1	0.0	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	0.20	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
11	0.50	0.4	0.2	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.00	0.00	0.30
12	2.00	1.7	1.0	0.2	0.1	0.0	0.9	0.4	0.3	0.0	0.00	0.30	2.60
Summary	12.4	8.1	4.7	1.1	0.6	0.1	9.0	3.8	2.2	0.6	1.3	4.5	12.8

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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	63.7	76.0	198.0	406.4	666.6	871.5	1007.4	974.9	778.4	454.3	180.6	88.4
45	27.5	33.3	110.4	276.3	513.2	721.4	852.4	819.9	628.5	313.5	98.3	42.4
50	10.1	12.9	52.4	166.3	366.1	571.5	697.4	664.9	479.7	190.6	45.4	16.5
55	2.5	3.9	19.9	83.3	232.2	422.4	542.4	509.9	334.8	98.2	17.6	4.9
60	0.4	0.8	5.4	31.0	121.9	277.0	387.5	355.1	201.0	38.4	5.0	0.8
Growing Degree Units for Corn (Monthly)												
50/86	45.2	59.1	142.3	269.1	421.4	572.7	684.2	654.9	501.3	298.8	137.8	61.4

Growing Degree Units (Accumulated Monthly)												
40	64	140	338	744	1411	2282	3290	4264	5043	5497	5678	5766
45	28	61	171	448	961	1682	2534	3354	3983	4296	4395	4437
50	10	23	75	242	608	1179	1877	2542	3021	3212	3257	3274
55	2	6	26	110	342	764	1307	1816	2151	2250	2267	2272
60	0	1	7	38	160	436	824	1179	1380	1418	1424	1424
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	45	104	247	516	937	1510	2194	2849	3350	3649	3787	3848

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