

Summary of Monthly Normals
1991-2020

Generated on 04/27/2024

Current Location: Elev: 975 ft. Lat: 36.3775° N Lon: 85.3364° W
Station: LIVINGSTON RADIO WLIV, TN US USC00405332

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	46.5	27.2	36.9	4.3	5.1	4.6	7.8	4.7	2.0	0.1	0.0	0.0	570.3	629.1	719.5	872.6	0.0	0.0	13.8	4.4	21.1	0.5
02	50.9	29.6	40.2	4.7	4.5	4.5	10.2	6.2	2.7	0.5	0.1	0.0	423.1	475.2	555.7	693.5	0.0	0.0	16.6	2.2	17.7	0.1
03	59.5	36.0	47.7	4.5	3.7	3.9	43.3	29.8	15.9	3.9	0.5	0.2	268.0	316.5	395.6	538.7	0.0	0.0	24.9	0.3	12.2	0.0
04	69.7	44.3	57.0	3.1	3.1	3.0	146.1	112.4	70.3	23.5	3.8	1.3	86.1	112.4	160.3	263.5	0.0	0.1	28.9	0.0	3.4	0.0
05	77.2	53.5	65.4	3.2	3.3	3.0	334.5	280.6	205.7	101.3	30.6	14.5	13.7	21.7	39.8	90.4	0.0	0.4	31.0	0.0	0.2	0.0
06	84.1	61.9	73.0	2.1	1.9	1.7	539.9	480.1	391.1	247.0	119.2	78.0	0.0	0.1	1.1	7.1	0.1	4.6	30.0	0.0	0.0	0.0
07	87.1	66.1	76.6	2.2	2.1	1.9	669.5	607.5	514.6	359.7	208.2	152.0	0.0	0.0	0.0	0.1	0.2	9.8	31.0	0.0	0.0	0.0
08	86.7	64.7	75.7	3.0	2.2	2.4	641.6	579.6	486.7	332.5	184.3	130.7	0.0	0.0	0.0	0.8	0.1	9.2	31.0	0.0	0.0	0.0
09	81.4	58.1	69.7	3.1	2.6	2.4	444.8	386.9	302.6	174.3	74.2	45.8	2.5	4.5	10.2	31.9	0.0	3.6	30.0	0.0	0.0	0.0
10	71.1	45.4	58.2	2.9	2.8	2.4	170.2	133.2	86.4	30.9	7.0	3.7	69.3	94.4	140.6	240.1	0.0	0.5	30.2	0.0	2.8	0.0
11	59.9	35.8	47.8	4.6	3.5	3.8	37.6	25.3	13.3	3.1	0.4	0.2	252.0	299.7	377.8	517.5	0.0	0.0	23.8	0.1	13.4	0.0
12	50.2	30.6	40.4	4.8	4.1	4.3	10.7	6.4	2.7	0.3	0.0	0.0	463.2	520.9	610.3	762.9	0.0	0.0	16.9	2.1	18.9	0.0
Summary	68.7	46.1	57.4	3.5	3.2	3.2	3056	2653	2094	1277	628	426	2148	2474	3011	4019	0.4	28.2	308.1	9.1	89.7	0.6

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	4.70	8.0	6.9	4.0	1.7	3.97	4.61	5.63
02	4.66	7.4	6.4	3.3	1.7	2.37	3.51	5.93
03	4.97	9.3	7.7	3.9	1.4	3.25	4.78	6.85
04	4.81	9.8	7.8	3.7	1.6	3.49	4.31	5.89
05	4.74	10.0	8.1	4.0	1.4	3.37	4.70	5.43
06	4.75	10.4	8.0	3.6	1.5	3.25	4.75	6.00
07	4.62	9.1	6.9	3.5	1.4	2.93	3.78	5.59
08	4.25	7.2	5.6	2.7	1.3	2.93	3.69	4.73
09	3.87	6.3	4.8	2.5	1.2	1.99	3.84	5.99
10	2.90	6.0	4.8	2.3	0.8	1.61	2.79	3.72
11	3.70	7.6	6.1	2.9	1.0	2.54	3.74	4.40
12	5.48	9.0	7.6	4.0	1.6	3.52	5.49	6.70
Summary	53.45	100.1	80.7	40.4	16.6	35.22	49.99	66.86

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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	0.30	0.4	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
02	1.50	0.6	0.6	0.3	0.2	0.0	0.2	0.1	0.1	0.0	0.00	0.00	0.20
03	0.40	0.2	0.2	0.1	0.1	0.0	0.2	0.1	0.1	0.0	0.00	0.00	0.00
04	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
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	0.10	0.2	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
Summary	2.3	1.4	1.3	0.5	0.4	0.0	0.5	0.2	0.2	0.0	0.0	0.0	0.2

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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	100.8	122.1	281.5	514.0	785.8	989.8	1134.4	1106.4	892.2	568.6	268.1	135.3
45	50.0	63.0	175.2	374.1	631.1	839.9	979.5	951.6	742.3	421.4	162.2	70.1
50	22.1	28.7	95.8	248.5	478.8	689.9	824.5	796.6	592.8	284.9	84.9	30.6
55	7.8	10.2	43.3	146.1	334.5	539.9	669.5	641.6	444.8	170.2	37.6	10.7
60	2.0	2.7	15.9	70.3	205.7	391.1	514.6	486.7	302.6	86.4	13.3	2.7
Growing Degree Units for Corn (Monthly)												
50/86	56.2	80.8	179.6	325.5	505.7	672.6	786.4	759.4	588.6	352.1	172.4	75.2

Growing Degree Units (Accumulated Monthly)												
40	101	223	504	1018	1804	2794	3928	5035	5927	6496	6764	6899
45	50	113	288	662	1293	2133	3113	4064	4807	5228	5390	5460
50	22	51	147	395	874	1564	2388	3185	3778	4063	4148	4178
55	8	18	61	207	542	1082	1751	2393	2838	3008	3046	3056
60	2	5	21	91	297	688	1202	1689	1992	2078	2091	2094
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	56	137	317	642	1148	1820	2607	3366	3955	4307	4479	4554

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