

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 787 ft. Lat: 35.4139° N Lon: 86.8086° W
Station: LEWISBURG EXP STN, TN US USC00405187

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	49.1	27.5	38.3	4.1	5.0	4.2	7.7	4.4	1.4	0.2	0.0	0.0	525.2	583.9	673.9	827.7	0.0	0.0	14.4	3.1	21.5	0.3
02	54.0	29.9	41.9	4.7	5.0	4.3	13.1	8.0	3.6	1.0	0.0	0.0	378.4	429.3	509.0	646.3	0.0	0.0	17.2	1.0	18.1	0.1
03	62.6	36.2	49.4	4.8	4.8	4.2	54.5	38.1	20.6	5.2	0.5	0.1	228.1	273.7	349.2	488.8	0.0	0.0	26.4	0.1	13.0	0.1
04	72.4	44.2	58.3	3.2	3.1	3.0	167.7	132.0	86.3	32.9	7.3	3.1	68.7	93.0	137.2	233.9	0.0	0.1	29.4	0.0	4.5	0.0
05	80.6	54.2	67.4	2.7	3.5	2.8	391.0	334.0	254.0	139.5	56.7	33.6	6.6	11.7	24.7	65.1	0.0	2.3	31.0	0.0	0.1	0.0
06	88.0	62.8	75.4	2.9	2.4	2.2	611.9	551.9	462.2	315.4	179.5	131.6	0.0	0.0	0.3	3.4	0.1	11.4	30.0	0.0	0.0	0.0
07	91.0	66.6	78.8	2.4	2.4	2.1	737.7	675.7	582.7	428.1	276.1	217.5	0.0	0.0	0.0	0.3	0.4	18.7	31.0	0.0	0.0	0.0
08	90.8	64.1	77.5	3.2	2.5	2.5	695.8	633.8	540.9	386.9	237.6	181.6	0.0	0.0	0.0	1.0	1.3	17.3	31.0	0.0	0.0	0.0
09	85.4	56.8	71.1	3.4	2.9	2.6	484.1	425.7	340.2	209.6	103.4	70.8	1.3	2.8	7.4	26.7	0.2	8.2	30.0	0.0	0.0	0.0
10	74.5	45.2	59.9	2.9	3.1	2.4	201.7	159.8	106.9	44.4	13.2	7.6	51.3	71.4	111.6	204.0	0.0	0.5	30.8	0.0	4.2	0.0
11	62.3	35.8	49.1	4.5	3.5	3.7	47.3	32.8	17.6	4.4	0.5	0.1	225.6	271.2	346.0	482.8	0.0	0.0	25.7	0.0	13.8	0.0
12	52.3	30.4	41.3	4.3	4.0	4.0	12.2	7.3	2.9	0.4	0.0	0.0	435.2	492.3	581.0	733.5	0.0	0.0	17.7	1.2	19.5	0.0
Summary	71.9	46.1	59.0	3.6	3.5	3.2	3425	3004	2419	1568	875	646	1920	2229	2740	3714	2.0	58.5	314.6	5.4	94.7	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	4.47	9.3	7.0	3.2	1.3	2.53	4.02	5.63
02	4.73	9.1	6.8	3.3	1.5	2.58	3.62	6.65
03	5.56	10.7	8.1	3.5	1.5	4.09	5.12	6.54
04	5.06	10.0	7.6	3.7	1.4	3.49	5.19	6.18
05	4.71	10.5	7.4	2.9	1.2	3.29	3.92	5.38
06	4.87	10.9	8.2	3.2	1.3	3.25	4.58	5.69
07	4.44	11.4	8.2	3.3	1.2	3.14	4.31	5.81
08	4.29	9.1	6.6	2.9	1.5	2.48	4.46	5.52
09	4.52	7.3	5.2	2.4	1.4	1.91	4.85	6.78
10	3.67	7.9	5.7	2.2	1.0	1.94	3.41	4.79
11	4.02	9.0	6.2	3.0	1.1	2.85	4.05	5.40
12	5.73	9.8	7.5	4.3	1.9	3.95	5.65	7.10
Summary	56.07	115.0	84.5	37.9	16.3	35.50	53.18	71.47

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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	0.2	0.0	0.0	0.0	0.9	0.2	0.0	0.0	0.00	0.00	0.00
02	0.40	0.6	0.1	0.1	0.0	0.0	0.9	0.2	0.0	0.0	0.00	0.00	0.20
03	0.10	0.3	0.1	0.0	0.0	0.0	0.3	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	0.4	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.00	0.00	0.00
Summary	0.9	1.7	0.4	0.1	0.0	0.0	2.4	0.5	0.1	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	111.7	145.4	318.7	551.5	849.4	1061.8	1202.7	1160.8	932.8	616.8	298.0	146.6
45	54.4	78.3	202.8	408.6	694.4	911.8	1047.7	1005.8	782.8	466.5	187.2	78.6
50	22.9	36.0	114.4	277.1	540.1	761.9	892.7	850.8	633.0	325.2	102.2	34.8
55	7.7	13.1	54.5	167.7	391.0	611.9	737.7	695.8	484.1	201.7	47.3	12.2
60	1.4	3.6	20.6	86.3	254.0	462.2	582.7	540.9	340.2	106.9	17.6	2.9
Growing Degree Units for Corn (Monthly)												
50/86	69.0	102.9	217.8	365.8	557.3	710.4	808.3	768.0	611.6	411.9	202.6	90.6
Growing Degree Units (Accumulated Monthly)												
40	112	257	576	1127	1977	3038	4241	5402	6335	6952	7250	7396
45	54	133	336	744	1438	2350	3398	4404	5187	5653	5840	5919
50	23	59	173	450	990	1752	2645	3496	4129	4454	4556	4591
55	8	21	75	243	634	1246	1984	2679	3164	3365	3412	3425
60	1	5	26	112	366	828	1411	1952	2292	2399	2416	2419
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	69	172	390	756	1313	2023	2832	3600	4211	4623	4826	4916

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