

Summary of Monthly Normals
1991-2020

Generated on 05/23/2024

Current Location: Elev: 3309 ft. Lat: 38.4900° N Lon: 101.3669° W

Station: LEOTI, KS US USC00144665

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	44.2	16.0	30.1	5.4	2.8	3.6	0.0	0.0	0.0	0.0	0.0	0.0	771.8	833.9	926.9	1081.9	0.0	0.0	12.5	7.1	30.8	1.7
02	47.7	18.3	33.0	6.6	4.0	4.8	0.3	0.0	0.0	0.0	0.0	0.0	616.0	671.8	755.8	895.8	0.0	0.0	13.6	5.1	26.9	1.5
03	57.3	26.4	41.9	4.8	3.6	3.7	11.2	6.1	2.3	0.1	0.0	0.0	419.0	475.8	565.0	717.8	0.0	0.0	22.1	2.0	23.8	0.3
04	65.5	34.1	49.8	3.4	3.4	2.9	50.4	33.6	16.4	3.0	0.2	0.1	206.3	249.5	322.3	458.9	0.0	0.2	26.2	0.4	12.0	0.0
05	75.2	45.5	60.3	4.1	2.5	3.1	212.6	170.0	115.1	48.3	13.8	7.7	46.8	66.2	104.3	192.5	0.2	3.7	30.3	0.0	1.9	0.0
06	86.6	56.8	71.7	3.9	2.2	2.9	503.0	444.4	358.3	224.7	115.2	80.8	2.1	3.6	7.4	23.8	1.7	11.9	30.0	0.0	0.0	0.0
07	91.5	62.0	76.8	3.0	1.9	2.3	674.0	612.0	519.3	366.9	221.5	168.3	0.0	0.0	0.2	2.7	4.9	19.9	31.0	0.0	0.0	0.0
08	88.5	60.1	74.3	3.2	2.0	2.5	598.4	536.6	444.2	293.9	159.1	114.0	0.2	0.4	1.0	5.7	2.0	15.9	31.0	0.0	0.0	0.0
09	81.7	50.7	66.2	3.8	2.8	3.1	350.2	297.1	222.4	120.0	48.1	29.1	14.4	21.2	36.5	84.1	0.2	7.2	29.8	0.0	0.4	0.0
10	68.4	37.3	52.9	4.4	2.8	3.2	88.0	64.1	36.6	10.2	1.6	0.6	154.6	192.8	258.2	386.9	0.0	1.1	28.5	0.5	8.9	0.0
11	55.1	25.0	40.0	5.5	2.6	3.7	6.1	3.1	1.0	0.0	0.0	0.0	454.5	511.6	599.5	748.5	0.0	0.0	19.6	1.8	24.5	0.2
12	45.1	17.1	31.1	4.7	3.1	3.5	0.2	0.0	0.0	0.0	0.0	0.0	740.7	802.7	895.7	1050.7	0.0	0.0	12.9	5.6	30.4	1.9
Summary	67.2	37.4	52.3	4.4	2.8	3.3	2494	2167	1716	1067	560	401	3426	3830	4473	5649	9.0	59.9	287.5	22.5	159.6	5.6

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	0.38	2.7	1.2	0.2	0.0	0.14	0.26	0.41	
02	0.51	2.7	1.6	0.2	0.1	0.16	0.44	0.62	
03	1.27	3.9	2.5	0.8	0.2	0.29	0.89	1.99	
04	1.95	6.3	3.9	1.1	0.2	0.75	1.47	2.73	
05	2.31	7.6	4.7	1.3	0.6	1.18	2.02	2.85	
06	2.58	7.8	5.5	1.9	0.6	1.50	2.50	3.08	
07	2.87	8.1	5.3	2.3	0.8	1.67	2.76	4.18	
08	3.11	8.6	5.7	1.9	0.9	2.05	2.80	3.81	
09	1.40	5.2	3.0	0.7	0.3	0.71	1.17	1.85	
10	1.66	4.2	2.8	1.0	0.4	0.40	1.13	2.69	
11	0.64	3.0	1.5	0.4	0.0	0.05	0.29	0.69	
12	0.60	2.5	1.4	0.2	0.1	0.16	0.50	0.78	
Summary	19.28	62.6	39.1	12.0	4.2	9.06	16.23	25.68	

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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	5.00	2.4	1.8	0.7	0.2	0.0	6.1	2.6	1.1	0.6	2.00	3.90	5.40
02	4.60	2.3	1.6	0.6	0.2	0.0	4.2	2.5	1.4	0.7	0.40	2.00	5.20
03	4.10	1.7	1.1	0.5	0.3	0.0	2.4	1.3	0.8	0.0	0.20	2.00	7.10
04	2.30	0.7	0.7	0.3	0.2	0.1	0.7	0.4	0.2	0.0	0.00	0.00	2.50
05	0.10	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	0.10	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	1.30	0.5	0.4	0.1	0.1	0.0	0.6	0.3	0.3	0.1	0.00	0.00	1.10
11	2.40	1.2	0.8	0.1	0.1	0.0	1.6	0.9	0.6	0.2	0.00	0.10	2.50
12	3.90	2.1	1.3	0.4	0.2	0.1	4.0	1.7	0.8	0.0	0.20	1.40	3.40
Summary	23.8	10.9	7.7	2.7	1.3	0.2	19.6	9.7	5.2	1.6	2.8	9.4	27.2

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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	22.2	43.7	166.0	322.4	631.9	950.7	1138.9	1063.1	786.1	414.1	124.5	27.8
45	4.5	15.4	88.5	205.5	480.7	800.8	983.9	908.1	637.3	282.0	61.3	8.0
50	0.3	3.7	37.8	112.6	338.0	651.2	828.9	753.1	491.0	171.1	23.0	1.5
55	0.0	0.3	11.2	50.4	212.6	503.0	674.0	598.4	350.2	88.0	6.1	0.2
60	0.0	0.0	2.3	16.4	115.1	358.3	519.3	444.2	222.4	36.6	1.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	50.9	70.2	163.5	247.4	399.0	595.2	723.8	681.5	495.0	296.3	131.6	51.2

Growing Degree Units (Accumulated Monthly)												
40	22	66	232	554	1186	2137	3276	4339	5125	5539	5664	5691
45	4	20	108	314	795	1595	2579	3487	4125	4407	4468	4476
50	0	4	42	154	492	1144	1972	2726	3217	3388	3411	3412
55	0	0	12	62	274	778	1452	2050	2400	2488	2494	2494
60	0	0	2	19	134	492	1011	1456	1678	1715	1716	1716
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	51	121	285	532	931	1526	2250	2932	3426	3723	3854	3906

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

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