

Summary of Monthly Normals
1991-2020

Current Location: Elev: 1820 ft. Lat: 39.7772° N Lon: 98.7783° W
Station: **SMITH CTR, KS US USC00147542**
Generated on 05/23/2024

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	38.9	15.7	27.3	5.0	3.7	4.0	0.0	0.0	0.0	0.0	0.0	0.0	858.6	920.6	1013.6	1168.6	0.0	0.0	7.8	9.8	30.0	2.2
02	43.7	18.8	31.2	7.1	4.7	5.6	1.1	0.5	0.1	0.0	0.0	0.0	666.0	721.5	805.0	944.9	0.0	0.0	10.9	6.8	25.1	1.6
03	55.4	27.9	41.6	5.6	4.1	4.5	16.5	10.0	4.2	0.7	0.0	0.0	430.4	486.0	573.1	724.6	0.0	0.0	20.8	1.5	19.7	0.4
04	65.7	37.9	51.8	4.2	3.3	3.5	75.4	54.4	30.8	9.7	2.1	0.9	171.3	210.4	276.7	405.6	0.0	0.6	26.9	0.2	6.7	0.0
05	75.7	50.2	63.0	3.9	2.7	3.1	276.4	228.5	165.4	82.6	31.8	19.6	30.0	44.1	73.9	146.1	0.2	3.3	30.8	0.0	0.4	0.0
06	87.1	61.0	74.1	3.6	2.1	2.6	571.8	512.3	424.0	282.2	158.4	117.4	0.5	0.9	2.6	10.8	1.8	12.9	30.0	0.0	0.0	0.0
07	92.1	66.1	79.1	3.6	2.1	2.7	746.9	685.0	592.0	437.3	288.0	231.5	0.0	0.0	0.0	0.3	6.0	20.0	31.0	0.0	0.0	0.0
08	89.1	63.4	76.3	3.4	2.3	2.7	658.7	596.7	504.0	351.8	210.1	160.7	0.0	0.0	0.3	3.1	3.1	16.2	31.0	0.0	0.0	0.0
09	81.7	54.4	68.0	3.6	3.3	3.3	401.0	346.2	268.6	157.8	78.6	55.3	9.6	14.8	27.2	66.4	0.6	7.6	29.9	0.0	0.1	0.0
10	68.1	40.7	54.4	4.0	2.6	3.1	115.9	86.6	52.4	19.3	5.2	2.7	134.4	167.1	226.0	347.9	0.0	0.8	28.4	0.2	5.0	0.0
11	53.4	27.7	40.5	5.6	3.7	4.3	9.7	5.9	2.4	0.3	0.0	0.0	443.1	499.4	585.8	733.8	0.0	0.0	19.3	1.9	19.5	0.0
12	40.9	18.6	29.8	4.7	3.7	3.9	0.0	0.0	0.0	0.0	0.0	0.0	782.5	844.6	937.6	1092.6	0.0	0.0	8.6	7.7	29.2	1.0
Summary	66.0	40.2	53.1	4.5	3.2	3.6	2873	2526	2044	1342	774	588	3526	3909	4522	5645	11.7	61.4	275.4	28.1	135.7	5.2

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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	0.59	3.9	1.8	0.3	0.0	0.25	0.42	0.86	
02	0.70	4.2	2.0	0.4	0.0	0.33	0.69	1.00	
03	1.45	6.7	3.4	0.9	0.2	0.55	1.27	2.31	
04	2.12	8.2	4.7	1.3	0.2	1.20	1.95	2.99	
05	4.00	11.0	6.9	2.6	1.0	2.17	3.35	5.27	
06	3.64	10.1	6.1	2.4	1.0	2.48	3.07	4.89	
07	4.39	10.0	6.6	3.2	1.2	2.69	4.13	5.32	
08	3.42	8.8	5.3	2.3	1.1	2.28	3.29	4.69	
09	1.98	6.2	3.6	1.5	0.5	1.14	1.86	2.70	
10	1.86	6.1	3.7	1.1	0.5	0.73	1.22	2.28	
11	1.16	4.6	2.4	0.7	0.2	0.62	0.96	1.45	
12	0.79	4.0	1.8	0.5	0.1	0.19	0.47	1.12	
Summary	26.10	83.8	48.3	17.2	6.0	14.63	22.68	34.88	

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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	2.9	1.4	0.5	0.2	0.0	8.4	3.6	1.7	0.2	1.90	3.60	6.60
02	5.90	3.1	1.7	0.6	0.3	0.0	7.6	4.7	2.5	0.5	1.50	4.90	9.50
03	2.30	1.6	0.9	0.2	0.0	0.0	2.4	1.2	0.4	0.0	0.30	1.40	3.20
04	0.70	0.5	0.3	0.1	0.0	0.0	0.4	0.2	0.0	0.0	0.00	0.00	0.80
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	0.50	0.2	0.1	0.0	0.0	0.0	0.3	0.1	0.1	0.1	0.00	0.00	0.00
11	1.50	1.0	0.5	0.2	0.0	0.0	1.4	0.8	0.4	0.0	0.00	0.60	2.40
12	3.00	2.6	1.2	0.3	0.1	0.0	6.3	2.1	0.6	0.0	0.80	2.40	3.40
Summary	18.3	11.9	6.1	1.9	0.6	0.0	26.8	12.7	5.7	0.8	4.5	12.9	25.9

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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	11.0	39.4	166.6	374.0	711.7	1021.3	1211.9	1123.6	841.3	461.5	133.2	17.7
45	1.7	16.4	91.4	250.3	558.2	871.2	1056.8	968.6	691.8	325.8	67.2	4.1
50	0.1	5.0	43.0	148.2	410.9	721.3	901.9	813.6	544.2	208.0	29.2	0.6
55	0.0	1.1	16.5	75.4	276.4	571.8	746.9	658.7	401.0	115.9	9.7	0.0
60	0.0	0.1	4.2	30.8	165.4	424.0	592.0	504.0	268.6	52.4	2.4	0.0
Growing Degree Units for Corn (Monthly)												
50/86	21.8	47.0	141.0	250.7	441.1	663.5	791.3	737.8	534.4	300.6	109.7	24.2

Growing Degree Units (Accumulated Monthly)												
40	11	50	217	591	1303	2324	3536	4660	5501	5962	6096	6113
45	2	18	110	360	918	1789	2846	3815	4506	4832	4899	4904
50	0	5	48	196	607	1328	2230	3044	3588	3796	3825	3826
55	0	1	18	93	369	941	1688	2347	2748	2864	2873	2873
60	0	0	4	35	200	624	1216	1720	1989	2042	2044	2044
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	22	69	210	460	902	1565	2356	3094	3629	3929	4039	4063

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

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