

Summary of Monthly Normals
1991-2020

Generated on 06/03/2024

Current Location: Elev: 1872 ft. Lat: 38.3614° N Lon: 98.8281° W

Station: GREAT BEND 3W, KS US USC00143218

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	42.5	18.2	30.3	4.7	3.2	3.6	0.2	0.0	0.0	0.0	0.0	0.0	764.2	826.1	919.1	1074.1	0.0	0.0	12.0	7.0	28.5	0.9
02	47.0	21.0	34.0	6.7	4.3	5.3	2.6	1.4	0.4	0.0	0.0	0.0	590.4	645.2	728.3	867.9	0.0	0.0	14.4	4.3	23.1	0.7
03	57.7	30.0	43.9	4.9	3.9	4.1	25.0	16.6	7.8	1.3	0.2	0.1	370.7	424.3	508.5	657.0	0.0	0.0	23.7	1.0	15.6	0.2
04	67.6	39.3	53.5	4.0	3.4	3.5	96.0	71.3	42.8	14.3	2.9	1.2	142.5	177.9	239.3	360.8	0.0	1.0	28.0	0.1	4.8	0.0
05	76.4	50.7	63.5	3.8	2.5	2.9	289.7	240.6	173.8	85.4	33.2	21.1	24.7	37.6	63.8	130.4	0.1	3.8	30.9	0.0	0.2	0.0
06	86.7	60.9	73.8	3.6	2.4	2.9	564.3	504.8	416.6	274.5	150.6	110.2	0.5	1.0	2.7	10.6	1.4	14.9	30.0	0.0	0.0	0.0
07	91.3	65.2	78.3	3.3	2.3	2.7	720.6	658.6	565.7	411.6	262.8	206.8	0.0	0.0	0.0	0.9	6.3	22.3	31.0	0.0	0.0	0.0
08	89.0	63.4	76.2	3.3	2.4	2.7	657.1	595.2	502.5	349.9	209.1	159.8	0.0	0.1	0.4	2.8	3.6	18.6	31.0	0.0	0.0	0.0
09	81.7	54.9	68.3	3.5	3.3	3.3	407.0	351.6	272.6	159.1	77.0	52.7	8.1	12.7	23.7	60.2	0.6	8.2	29.9	0.0	0.1	0.0
10	69.4	41.9	55.7	4.1	2.8	3.2	133.2	101.4	63.4	23.1	5.7	2.9	113.1	143.3	198.3	313.0	0.0	0.9	29.2	0.2	3.3	0.0
11	55.1	29.3	42.2	5.4	3.4	4.0	13.7	8.3	3.6	0.6	0.0	0.0	397.7	452.3	537.6	684.6	0.0	0.0	22.1	1.0	16.0	0.0
12	43.5	20.3	31.9	4.0	3.3	3.3	0.3	0.1	0.0	0.0	0.0	0.0	716.1	777.9	870.9	1025.9	0.0	0.0	11.9	4.9	27.9	0.3
Summary	67.3	41.3	54.3	4.3	3.1	3.5	2910	2550	2049	1320	742	555	3128	3498	4093	5188	12.0	69.7	294.1	18.5	119.5	2.1

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	0.71	3.4	1.7	0.4	0.1	0.19	0.64	0.99
02	0.89	3.9	2.1	0.5	0.1	0.28	0.68	1.49
03	1.56	6.0	3.6	0.9	0.3	0.70	1.33	2.16
04	2.15	6.8	4.4	1.5	0.4	1.09	1.82	3.28
05	4.83	9.1	5.8	3.2	1.7	2.75	3.99	5.75
06	3.66	7.6	5.3	2.5	1.2	2.05	3.32	4.72
07	3.86	8.5	5.9	2.4	1.3	2.05	3.16	5.85
08	3.69	8.4	5.5	2.4	0.9	2.57	3.31	4.87
09	1.98	5.9	3.5	1.1	0.5	0.61	1.42	3.06
10	1.96	6.0	3.4	1.5	0.5	0.60	1.27	2.40
11	1.00	4.2	2.3	0.5	0.2	0.17	0.76	1.82
12	1.01	3.6	2.1	0.6	0.2	0.26	0.69	1.48
Summary	27.30	73.4	45.6	17.5	7.4	13.32	22.39	37.87

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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	2.20	1.9	1.4	0.5	0.2	0.0	6.4	3.6	2.3	0.2	0.80	2.00	2.90
02	2.60	1.7	1.3	0.6	0.1	0.0	4.4	2.9	1.4	0.0	0.00	3.00	4.60
03	2.30	0.9	0.7	0.2	0.1	0.0	1.9	1.3	0.4	0.0	0.00	0.80	4.00
04	0.30	0.2	0.2	0.1	0.0	0.0	0.2	0.1	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	0.10	0.1	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.00	0.00	0.00
11	1.70	0.7	0.5	0.3	0.0	0.0	1.2	0.7	0.3	0.0	0.00	0.00	2.30
12	2.30	1.4	1.2	0.4	0.1	0.0	4.8	2.1	0.9	0.0	0.40	1.10	3.10
Summary	11.5	6.9	5.4	2.1	0.5	0.0	19.1	10.7	5.3	0.2	1.2	6.9	16.9

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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	24.0	57.8	206.3	418.1	730.3	1013.8	1185.6	1122.0	848.9	496.7	157.7	26.7
45	6.0	24.7	118.5	288.5	576.7	863.8	1030.6	967.0	699.4	356.4	85.5	7.3
50	1.2	8.5	59.6	179.0	427.2	713.9	875.6	812.1	551.4	233.3	38.6	1.7
55	0.2	2.6	25.0	96.0	289.7	564.3	720.6	657.1	407.0	133.2	13.7	0.3
60	0.0	0.4	7.8	42.8	173.8	416.6	565.7	502.5	272.6	63.4	3.6	0.0
Growing Degree Units for Corn (Monthly)												
50/86	34.6	62.9	163.7	278.9	457.1	665.1	779.2	737.5	545.9	323.8	123.3	34.5

Growing Degree Units (Accumulated Monthly)												
40	24	82	288	706	1436	2450	3636	4758	5607	6103	6261	6288
45	6	31	149	438	1014	1878	2909	3876	4575	4932	5017	5024
50	1	10	69	248	676	1389	2265	3077	3628	3862	3900	3902
55	0	3	28	124	414	978	1698	2356	2762	2896	2909	2910
60	0	0	8	51	225	641	1207	1710	1982	2046	2049	2049
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	35	98	261	540	997	1662	2442	3179	3725	4049	4172	4206

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

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