

Summary of Monthly Normals
1991-2020

Generated on 04/29/2024

Current Location: Elev: 2445 ft. Lat: 39.0147° N Lon: 99.8722° W
Station: **WAKEENEY, KS US USC00148495**

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	42.3	17.4	29.8	4.9	3.4	3.8	0.1	0.0	0.0	0.0	0.0	0.0	779.6	841.5	934.5	1089.6	0.0	0.0	10.5	8.4	29.8	1.8
02	46.2	20.0	33.1	6.9	4.5	5.4	2.2	1.1	0.4	0.0	0.0	0.0	615.1	670.1	753.3	893.1	0.0	0.0	12.7	5.7	25.4	0.9
03	57.1	28.7	42.9	5.4	3.9	4.4	21.4	13.9	6.6	1.0	0.0	0.0	396.6	451.1	536.8	686.2	0.0	0.0	21.5	2.0	19.3	0.3
04	66.2	37.9	52.0	4.0	3.1	3.3	81.7	59.6	34.8	10.9	2.2	1.0	170.1	208.0	273.3	399.3	0.0	0.7	26.2	0.3	6.5	0.0
05	75.9	49.4	62.7	4.1	2.4	3.1	272.8	226.0	164.0	81.8	31.2	19.2	35.7	50.8	81.8	154.7	0.1	3.5	30.3	0.0	0.4	0.0
06	87.5	60.4	74.0	3.9	2.4	3.1	569.5	510.2	423.0	284.2	162.9	122.7	1.2	1.9	4.7	15.9	2.2	13.3	30.0	0.0	0.0	0.0
07	92.9	65.5	79.2	3.4	2.3	2.8	749.9	687.9	595.1	441.5	292.5	236.7	0.0	0.0	0.2	1.5	6.9	21.2	31.0	0.0	0.0	0.0
08	90.3	63.2	76.7	3.3	2.3	2.6	674.1	612.3	519.7	367.4	224.2	173.7	0.0	0.2	0.6	3.3	3.6	17.5	31.0	0.0	0.0	0.0
09	82.4	54.1	68.2	3.7	3.1	3.2	408.7	354.2	277.4	163.9	79.5	55.3	11.4	16.9	30.1	66.6	0.8	8.7	29.9	0.0	0.2	0.0
10	69.2	40.5	54.8	4.3	2.7	3.3	124.3	94.2	58.7	22.3	5.4	2.8	128.9	160.8	218.3	336.9	0.0	1.3	28.4	0.4	4.3	0.0
11	55.1	28.4	41.8	5.7	3.5	4.3	14.8	8.9	3.5	0.4	0.0	0.0	412.3	466.3	551.0	697.9	0.0	0.0	19.7	1.8	19.1	0.0
12	43.6	19.6	31.6	4.5	3.4	3.6	0.2	0.0	0.0	0.0	0.0	0.0	725.2	787.1	880.0	1035.1	0.0	0.0	11.2	6.4	29.3	0.8
Summary	67.4	40.4	53.9	4.5	3.1	3.6	2920	2568	2083	1373	798	611	3276	3655	4265	5380	13.6	66.2	282.4	25.0	134.3	3.8

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	0.57	3.7	1.3	0.3	0.0	0.19	0.43	0.75	
02	0.85	4.5	2.1	0.5	0.1	0.25	0.77	1.21	
03	1.32	5.2	3.0	1.0	0.2	0.63	1.06	2.04	
04	2.04	7.0	3.6	1.1	0.2	1.11	1.89	2.61	
05	3.98	9.5	6.2	2.3	0.9	1.97	3.37	5.62	
06	3.09	7.9	5.4	2.2	0.7	1.64	2.31	4.54	
07	3.80	7.9	5.3	2.5	1.1	1.82	3.67	5.32	
08	3.04	7.6	4.7	1.9	0.9	2.00	2.91	3.76	
09	1.83	5.6	3.4	1.2	0.5	0.85	1.58	2.37	
10	1.64	5.4	2.9	1.0	0.3	0.41	1.11	2.40	
11	0.88	4.2	1.9	0.5	0.1	0.30	0.55	1.14	
12	0.88	3.5	1.6	0.4	0.1	0.17	0.38	1.41	
Summary	23.92	72.0	41.4	14.9	5.1	11.34	20.03	33.17	

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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	4.30	2.8	1.7	0.5	0.3	0.0	7.4	2.9	1.7	0.6	1.40	3.50	7.00
02	4.30	3.3	2.2	0.7	0.2	0.0	7.0	4.0	1.5	0.3	1.00	4.60	6.50
03	3.20	1.6	1.2	0.4	0.3	0.0	2.9	1.6	0.8	0.1	0.50	2.00	3.50
04	1.30	0.8	0.5	0.1	0.1	0.0	0.4	0.2	0.1	0.1	0.00	0.00	0.90
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	1.10	0.2	0.2	0.1	0.0	0.0	0.4	0.2	0.1	0.1	0.00	0.00	0.00
11	1.80	1.1	0.7	0.3	0.0	0.0	1.5	0.8	0.2	0.0	0.10	1.00	2.00
12	4.30	2.8	1.9	0.5	0.0	0.0	6.2	2.7	1.1	0.0	2.00	3.20	5.70
Summary	20.3	12.6	8.4	2.6	0.9	0.0	25.8	12.4	5.5	1.2	5.0	14.3	25.6

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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	26.5	55.2	194.3	382.7	702.7	1018.3	1215.0	1139.1	847.4	475.7	159.0	32.3
45	7.0	23.2	110.9	259.1	550.0	868.4	1060.0	984.1	698.5	338.9	87.4	9.1
50	1.4	8.3	54.6	157.0	404.6	718.6	904.9	829.1	551.2	219.7	41.2	1.8
55	0.1	2.2	21.4	81.7	272.8	569.5	749.9	674.1	408.7	124.3	14.8	0.2
60	0.0	0.4	6.6	34.8	164.0	423.0	595.1	519.7	277.4	58.7	3.5	0.0
Growing Degree Units for Corn (Monthly)												
50/86	40.4	63.7	163.1	257.4	433.7	651.8	782.3	737.4	532.7	312.7	130.2	40.7

Growing Degree Units (Accumulated Monthly)												
40	26	82	276	659	1361	2380	3595	4734	5581	6057	6216	6248
45	7	30	141	400	950	1819	2879	3863	4561	4900	4987	4997
50	1	10	64	221	626	1344	2249	3078	3630	3849	3891	3892
55	0	2	24	105	378	948	1698	2372	2780	2905	2920	2920
60	0	0	7	42	206	629	1224	1744	2021	2080	2083	2083
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	40	104	267	525	958	1610	2392	3130	3662	3975	4105	4146

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

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