

Summary of Monthly Normals
1991-2020

Generated on 04/28/2024

Current Location: Elev: 1109 ft. Lat: 39.2419° N Lon: 95.2725° W

Station: OSKALOOSA 4 NE, KS US USC00146100

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	38.1	17.9	28.0	4.8	3.9	4.2	0.0	0.0	0.0	0.0	0.0	0.0	836.7	898.7	991.7	1146.6	0.0	0.0	6.2	11.1	27.9	2.7
02	44.5	22.2	33.4	6.7	4.6	5.5	2.4	1.5	0.6	0.1	0.0	0.0	608.6	663.7	746.8	886.3	0.0	0.0	10.9	5.5	21.6	0.7
03	55.7	31.3	43.5	5.3	4.2	4.6	24.8	16.3	7.3	1.4	0.1	0.0	381.3	434.9	518.8	668.0	0.0	0.0	20.6	1.3	15.3	0.2
04	65.9	42.1	54.0	3.2	3.0	3.0	103.9	78.1	46.8	14.5	1.7	0.4	133.9	168.1	226.8	344.4	0.0	0.0	27.2	0.0	4.5	0.0
05	75.8	54.4	65.1	3.7	2.8	3.1	323.8	270.5	197.3	99.7	36.8	21.9	10.8	19.4	39.3	96.7	0.0	0.8	31.0	0.0	0.2	0.0
06	85.3	63.6	74.4	3.3	2.0	2.6	583.4	523.5	434.2	289.7	159.0	114.7	0.1	0.2	0.9	6.4	0.1	5.3	30.0	0.0	0.0	0.0
07	89.9	68.1	79.0	3.3	2.0	2.5	743.9	681.9	588.9	434.0	282.0	224.2	0.0	0.0	0.0	0.1	1.3	13.9	31.0	0.0	0.0	0.0
08	88.1	65.8	77.0	3.7	2.4	2.9	680.3	618.3	525.4	372.1	228.5	177.4	0.0	0.0	0.1	1.8	2.2	13.5	31.0	0.0	0.0	0.0
09	80.0	56.7	68.4	3.5	3.3	3.2	406.1	350.1	269.8	155.5	71.6	47.6	5.7	9.6	19.3	55.0	0.3	3.0	30.0	0.0	0.0	0.0
10	68.3	44.3	56.3	3.4	2.6	2.7	142.8	110.5	70.2	26.5	6.7	3.8	102.6	132.3	184.9	296.2	0.0	0.3	29.2	0.0	3.1	0.0
11	53.5	32.0	42.8	5.5	4.6	4.8	19.3	12.7	6.0	1.0	0.0	0.0	386.7	440.1	523.4	668.4	0.0	0.0	18.0	1.7	14.4	0.0
12	41.6	22.4	32.0	4.9	4.5	4.5	1.1	0.5	0.1	0.0	0.0	0.0	713.9	775.4	867.9	1022.8	0.0	0.0	8.0	8.1	26.1	1.1
Summary	65.6	43.4	54.5	4.3	3.3	3.6	3032	2664	2147	1394	786	590	3180	3542	4120	5193	3.9	36.8	273.1	27.7	113.1	4.7

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	0.98	4.0	2.7	0.4	0.2	0.68	0.89	1.18
02	1.32	4.0	2.9	0.9	0.2	0.59	1.23	1.85
03	2.52	6.4	4.6	1.6	0.7	1.10	2.56	3.38
04	3.51	8.4	6.9	2.5	1.1	2.35	3.38	4.69
05	5.31	9.3	7.1	3.4	1.6	3.09	5.67	7.09
06	5.36	9.4	7.7	4.1	2.0	2.48	5.69	7.90
07	4.53	8.0	6.4	3.2	1.5	2.50	3.68	6.31
08	4.76	7.1	5.6	2.9	1.3	2.64	4.13	6.27
09	3.36	7.3	5.8	2.9	1.3	1.82	2.97	4.57
10	2.92	6.2	4.9	2.0	0.7	1.69	2.56	3.52
11	1.96	4.8	3.5	1.6	0.5	0.87	1.43	2.62
12	1.81	3.9	2.9	1.2	0.5	0.88	1.53	2.59
Summary	38.34	78.8	61.0	26.7	11.6	20.69	35.72	51.97

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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	4.70	2.3	1.6	0.4	0.1	0.0					2.70	4.70	7.00
02	4.50	1.6	1.3	0.6	0.4	0.0					0.40	3.00	7.00
03	1.60	0.6	0.5	0.2	0.1	0.0					0.00	0.00	1.80
04	0.10	0.1	0.1	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					0.00	0.00	0.00
06	0.00	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					0.00	0.00	0.00
08	0.00	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					0.00	0.00	0.00
10	0.50	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
11	1.10	0.6	0.4	0.0	0.0	0.0					0.00	0.00	1.00
12	3.90	2.0	1.5	0.6	0.3	0.0					0.00	0.90	5.70
Summary	16.4	7.2	5.4	1.8	0.9	0.0	0.0	0.0	0.0	0.0	3.1	8.6	22.5

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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	21.0	58.0	196.9	430.8	778.0	1033.2	1208.8	1145.2	850.4	511.6	173.2	39.7
45	6.0	24.9	114.8	300.3	623.3	883.3	1053.9	990.3	700.6	369.9	97.8	13.5
50	0.8	8.7	59.2	188.5	469.8	733.3	898.9	835.2	551.7	244.8	47.4	4.3
55	0.0	2.4	24.8	103.9	323.8	583.4	743.9	680.3	406.1	142.8	19.3	1.1
60	0.0	0.6	7.3	46.8	197.3	434.2	588.9	525.4	269.8	70.2	6.0	0.1
Growing Degree Units for Corn (Monthly)												
50/86	19.4	46.7	136.3	262.2	486.7	702.2	823.0	771.0	552.2	313.2	106.5	27.0

Growing Degree Units (Accumulated Monthly)												
40	21	79	276	707	1485	2518	3727	4872	5722	6234	6407	6447
45	6	31	146	446	1069	1953	3006	3997	4697	5067	5165	5179
50	1	10	69	257	727	1460	2359	3194	3746	3991	4038	4043
55	0	2	27	131	455	1038	1782	2462	2869	3011	3031	3032
60	0	1	8	55	252	686	1275	1800	2070	2140	2146	2147
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	19	66	202	465	951	1654	2476	3248	3800	4113	4219	4246

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