

Summary of Monthly Normals
1991-2020

Current Location: Elev: 3102 ft. Lat: 39.1131° N Lon: 100.9447° W
Station: OAKLEY 4W, KS US USC00145888
Generated on 04/28/2024

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	42.4	15.5	28.9	5.2	3.2	3.8	0.1	0.0	0.0	0.0	0.0	0.0	807.6	869.5	962.5	1117.5	0.0	0.0	10.7	8.4	30.8	2.5
02	45.3	17.6	31.5	7.6	4.8	5.8	0.8	0.4	0.0	0.0	0.0	0.0	660.0	715.5	799.2	939.3	0.0	0.0	12.0	6.4	27.2	2.1
03	55.9	25.3	40.6	5.3	3.8	4.1	10.3	6.0	2.2	0.3	0.0	0.0	456.8	514.5	603.7	756.7	0.0	0.0	20.9	2.3	24.4	0.7
04	64.5	33.9	49.2	3.7	2.9	2.9	45.7	30.1	14.9	3.1	0.3	0.1	219.7	264.0	338.9	477.1	0.0	0.3	25.3	0.4	12.8	0.0
05	74.2	45.0	59.6	4.1	2.4	2.8	200.9	161.0	108.6	46.2	14.1	7.7	58.2	80.3	120.9	213.6	0.2	2.8	29.9	0.0	1.9	0.0
06	86.3	56.5	71.4	3.8	2.3	2.8	494.3	436.2	351.1	220.3	113.6	80.4	2.6	4.5	9.3	28.5	2.1	12.4	30.0	0.0	0.0	0.0
07	91.6	61.8	76.7	3.4	1.9	2.4	672.4	610.4	517.7	365.5	221.7	169.6	0.0	0.0	0.2	2.9	5.6	19.2	31.0	0.0	0.0	0.0
08	89.0	59.7	74.4	3.6	2.0	2.6	599.7	538.0	446.1	296.2	162.3	116.9	0.1	0.4	1.4	6.4	2.6	15.9	31.0	0.0	0.0	0.0
09	81.4	50.5	66.0	3.7	3.2	3.2	345.2	293.7	221.8	122.5	52.4	32.8	16.9	25.3	43.5	94.1	0.7	8.0	29.7	0.0	0.3	0.0
10	68.0	37.0	52.5	4.6	2.7	3.2	88.4	65.2	37.8	11.6	2.5	1.1	165.8	204.6	270.2	399.1	0.0	1.1	27.8	0.6	9.1	0.0
11	53.9	25.1	39.5	5.7	3.1	3.9	6.3	3.3	1.0	0.2	0.0	0.0	471.3	528.2	616.0	765.1	0.0	0.0	19.0	2.2	24.5	0.1
12	43.5	16.9	30.2	4.3	3.2	3.3	0.1	0.0	0.0	0.0	0.0	0.0	768.6	830.6	923.5	1078.6	0.0	0.0	11.2	6.6	30.6	1.7
Summary	66.3	37.1	51.7	4.6	3.0	3.4	2464	2144	1701	1066	567	409	3628	4037	4689	5879	11.2	59.7	278.5	26.9	161.6	7.1

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	0.36	3.1	1.1	0.1	0.0	0.17	0.33	0.46	
02	0.52	3.9	1.6	0.2	0.0	0.27	0.45	0.71	
03	1.02	4.8	2.6	0.7	0.2	0.45	1.03	1.48	
04	1.79	7.1	4.0	1.1	0.3	0.81	1.63	2.31	
05	3.03	9.7	5.7	1.8	0.8	1.69	2.69	3.82	
06	2.66	8.8	5.3	1.7	0.5	1.43	2.18	3.29	
07	3.75	9.1	5.5	2.7	1.1	2.25	3.73	4.60	
08	2.93	8.8	5.2	1.9	0.7	1.43	2.87	3.99	
09	1.76	6.2	3.1	1.1	0.3	0.78	1.15	1.96	
10	1.58	5.6	3.2	0.9	0.3	0.35	1.03	2.92	
11	0.76	3.2	1.6	0.4	0.1	0.14	0.37	0.89	
12	0.51	3.0	1.4	0.1	0.0	0.06	0.42	0.66	
Summary	20.67	73.3	40.3	12.7	4.3	9.83	17.88	27.09	

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

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	4.50	2.6	1.6	0.5	0.2	0.0	6.1	2.8	1.5	0.1	1.80	3.50	5.50
02	6.60	3.2	2.4	0.8	0.3	0.0	6.8	3.2	1.2	0.1	3.20	7.00	8.90
03	4.20	1.9	1.2	0.6	0.2	0.1	2.7	1.0	0.3	0.1	0.90	2.90	6.00
04	1.80	1.0	0.8	0.2	0.1	0.0	0.8	0.2	0.0	0.0	0.00	0.90	2.00
05	0.40	0.1	0.1	0.0	0.0	0.0	0.1	0.1	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	1.20	0.5	0.4	0.1	0.0	0.0	0.7	0.3	0.1	0.0	0.00	0.00	1.00
11	2.50	1.4	0.9	0.3	0.1	0.0	2.0	0.6	0.2	0.0	0.50	1.40	4.20
12	4.50	2.7	1.8	0.6	0.1	0.0	5.3	1.4	0.3	0.0	1.00	3.00	7.00
Summary	25.7	13.4	9.2	3.1	1.0	0.1	24.5	9.6	3.6	0.3	7.4	18.7	34.6

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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	20.1	40.2	148.0	306.1	608.7	941.8	1137.5	1064.7	778.7	407.9	118.8	22.9
45	4.5	15.2	76.5	191.9	458.6	791.8	982.4	909.7	630.3	278.0	59.3	6.3
50	0.7	4.4	32.2	104.2	319.4	642.3	827.4	754.6	484.1	169.3	24.2	1.1
55	0.1	0.8	10.3	45.7	200.9	494.3	672.4	599.7	345.2	88.4	6.3	0.1
60	0.0	0.0	2.2	14.9	108.6	351.1	517.7	446.1	221.8	37.8	1.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	41.0	58.9	150.9	233.7	384.4	590.2	721.2	678.7	489.7	290.8	120.7	42.3

Growing Degree Units (Accumulated Monthly)												
40	20	60	208	514	1123	2065	3202	4267	5046	5454	5572	5595
45	4	20	96	288	747	1538	2521	3431	4061	4339	4398	4405
50	1	5	37	142	461	1103	1931	2685	3169	3339	3363	3364
55	0	1	11	57	258	752	1424	2024	2369	2458	2464	2464
60	0	0	2	17	126	477	994	1441	1662	1700	1701	1701
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	41	100	251	484	869	1459	2180	2859	3349	3640	3760	3802

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