

Summary of Monthly Normals
1991-2020

Generated on 04/27/2024

Current Location: Elev: 1290 ft. Lat: 37.8183° N Lon: 96.8444° W
Station: **EL DORADO, KS US USC00142401**

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	44.1	20.2	32.1	4.4	3.2	3.6	0.3	0.1	0.0	0.0	0.0	0.0	708.6	770.4	863.3	1018.2	0.0	0.0	11.8	6.5	27.8	0.8
02	48.9	23.4	36.1	5.9	4.1	4.8	3.6	1.8	0.5	0.1	0.0	0.0	531.4	585.6	668.3	807.8	0.0	0.0	14.0	3.8	22.7	0.3
03	58.9	32.8	45.8	4.6	4.5	4.2	33.8	23.3	12.2	3.4	0.3	0.1	317.4	369.0	450.9	597.0	0.0	0.0	23.4	0.7	14.8	0.1
04	68.4	43.1	55.7	3.8	3.4	3.4	126.8	97.0	60.5	21.3	4.5	2.0	104.3	134.5	188.0	298.8	0.0	0.2	28.2	0.0	3.7	0.0
05	76.9	54.5	65.7	3.6	2.9	3.0	342.8	289.0	214.8	112.7	44.4	27.3	11.1	19.3	38.1	91.0	0.0	1.6	30.8	0.0	0.1	0.0
06	86.3	64.2	75.2	3.2	2.4	2.7	607.5	547.7	458.2	311.5	176.7	129.6	0.1	0.3	0.8	4.2	0.3	9.7	30.0	0.0	0.0	0.0
07	91.3	68.8	80.0	3.5	2.5	2.8	776.5	714.5	621.5	466.6	314.4	255.8	0.0	0.0	0.0	0.1	2.8	18.7	31.0	0.0	0.0	0.0
08	90.3	66.8	78.5	3.8	2.7	3.0	729.9	668.0	575.1	420.7	271.5	216.1	0.0	0.0	0.1	0.7	2.1	16.4	31.0	0.0	0.0	0.0
09	82.7	58.2	70.5	3.9	3.5	3.4	466.6	409.4	326.7	201.0	104.4	74.6	3.2	5.9	13.2	37.6	0.5	6.5	30.0	0.0	0.0	0.0
10	71.1	45.2	58.1	3.8	2.5	2.9	174.8	137.1	89.7	35.5	10.3	5.4	77.2	101.5	147.0	247.9	0.0	0.3	29.7	0.1	2.5	0.0
11	57.8	33.1	45.5	5.3	3.9	4.3	27.7	18.5	8.8	1.7	0.2	0.1	314.2	365.0	445.3	588.2	0.0	0.0	22.8	0.6	14.6	0.0
12	46.4	23.7	35.1	3.9	3.5	3.5	1.3	0.7	0.2	0.0	0.0	0.0	619.6	681.1	773.5	928.2	0.0	0.0	13.2	4.6	25.6	0.2
Summary	68.6	44.5	56.5	4.1	3.3	3.5	3292	2907	2368	1574	927	711	2687	3033	3588	4620	5.7	53.4	295.9	16.3	111.8	1.4

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	0.89	5.0	2.2	0.5	0.1	0.31	0.57	1.39
02	1.45	5.6	3.3	0.9	0.4	0.57	1.07	1.76
03	2.53	7.4	4.6	1.6	0.6	1.35	2.09	3.69
04	3.41	8.4	5.7	2.5	1.0	1.90	3.31	4.02
05	5.77	11.5	7.7	4.1	2.0	2.95	5.60	6.95
06	5.64	9.5	6.9	3.7	1.8	2.92	5.39	8.20
07	4.42	8.2	6.2	2.9	1.5	2.36	4.39	5.30
08	4.59	8.7	5.5	2.9	1.4	2.43	3.75	6.84
09	3.64	6.7	4.4	2.3	1.1	1.56	2.94	4.45
10	3.29	7.4	5.1	2.2	1.0	1.93	2.99	4.03
11	1.74	5.6	3.1	1.1	0.5	0.42	1.25	2.83
12	1.30	5.7	2.9	0.8	0.2	0.44	1.02	1.91
Summary	38.67	89.7	57.6	25.5	11.6	19.14	34.37	51.37

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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	1.10	0.9	0.4	0.2	0.1	0.0	1.0	0.3	0.1	0.0	0.00	0.00	1.50
02	1.40	1.0	0.7	0.3	0.1	0.0	1.0	0.4	0.1	0.0	0.00	0.00	1.10
03	0.70	0.5	0.4	0.1	0.0	0.0	0.6	0.2	0.0	0.0	0.00	0.00	0.10
04	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
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	0.00	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
11	0.20	0.3	0.1	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.00	0.00	0.00
12	1.10	1.1	0.6	0.3	0.1	0.0	0.9	0.3	0.1	0.0	0.00	0.00	1.80
Summary	4.5	3.9	2.2	0.9	0.3	0.0	3.9	1.2	0.3	0.0	0.0	0.0	4.5

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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	36.8	76.2	243.5	480.2	796.7	1057.4	1241.4	1194.9	913.4	567.3	223.7	58.6
45	11.2	34.5	145.1	343.6	642.1	907.4	1086.4	1039.9	763.4	421.2	129.2	21.0
50	2.5	12.5	75.4	221.9	489.2	757.4	931.5	884.9	614.0	287.2	64.5	5.8
55	0.3	3.6	33.8	126.8	342.8	607.5	776.5	729.9	466.6	174.8	27.7	1.3
60	0.0	0.5	12.2	60.5	214.8	458.2	621.5	575.1	326.7	89.7	8.8	0.2
Growing Degree Units for Corn (Monthly)												
50/86	42.6	70.5	175.2	298.9	503.2	717.2	836.8	799.3	596.2	358.6	150.7	52.2

Growing Degree Units (Accumulated Monthly)												
40	37	113	356	837	1633	2691	3932	5127	6040	6608	6832	6890
45	11	46	191	534	1176	2084	3170	4210	4974	5395	5524	5545
50	2	15	90	312	802	1559	2490	3375	3989	4276	4341	4347
55	0	4	38	164	507	1115	1891	2621	3088	3263	3290	3292
60	0	0	13	73	288	746	1368	1943	2270	2359	2368	2368
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	43	113	288	587	1090	1808	2644	3444	4040	4398	4549	4601

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