

Summary of Monthly Normals
1991-2020

Generated on 04/30/2024

Current Location: Elev: 2120 ft. Lat: 35.3925° N Lon: 99.5064° W

Station: ELK CITY 4 W, OK US USC00342849

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	50.4	26.1	38.2	4.2	2.7	3.0	2.8	1.4	0.4	0.0	0.0	0.0	522.0	582.5	674.5	829.1	0.0	0.0	17.0	3.1	24.2	0.0
02	54.5	29.0	41.8	5.3	3.7	4.2	11.0	6.6	2.8	0.6	0.0	0.0	381.9	433.5	513.6	651.4	0.0	0.1	19.1	1.9	17.4	0.1
03	63.9	37.4	50.6	4.2	4.1	3.9	67.0	47.2	25.3	6.5	1.1	0.4	201.9	244.1	315.2	451.4	0.0	0.3	26.9	0.3	8.5	0.0
04	72.3	45.6	59.0	3.7	2.8	2.9	174.9	135.5	85.9	30.6	6.6	3.3	56.3	76.9	117.3	212.1	0.0	0.8	28.9	0.0	2.1	0.0
05	80.5	56.3	68.4	4.0	2.5	3.1	420.4	361.8	278.4	157.4	70.2	46.5	5.0	8.4	18.0	52.0	0.3	5.2	30.9	0.0	0.0	0.0
06	89.2	65.3	77.3	3.8	1.9	2.7	667.4	607.5	517.7	368.9	226.2	174.3	0.1	0.1	0.3	1.6	1.1	14.6	30.0	0.0	0.0	0.0
07	94.7	69.6	82.1	3.6	1.7	2.5	841.5	779.5	686.5	531.6	377.3	316.2	0.0	0.0	0.0	0.1	6.4	24.4	31.0	0.0	0.0	0.0
08	93.6	68.3	80.9	4.3	2.0	2.9	804.3	742.3	649.2	494.7	342.2	282.7	0.0	0.0	0.0	0.4	4.8	21.9	31.0	0.0	0.0	0.0
09	85.4	60.7	73.0	3.8	2.8	2.9	543.0	484.4	397.6	260.5	142.6	103.7	1.6	2.9	6.2	19.1	0.9	9.2	30.0	0.0	0.0	0.0
10	74.0	48.1	61.0	3.5	2.7	2.7	232.0	186.2	127.2	54.4	15.3	8.1	44.4	60.7	94.6	176.9	0.0	1.3	30.3	0.1	1.4	0.0
11	61.4	36.8	49.1	4.7	3.4	3.7	46.8	32.1	16.0	3.0	0.4	0.1	223.7	269.0	342.9	479.9	0.0	0.0	25.2	0.4	9.3	0.0
12	51.2	28.5	39.8	3.4	2.3	2.5	3.1	1.2	0.1	0.0	0.0	0.0	472.6	532.6	624.6	779.4	0.0	0.0	18.8	2.0	21.2	0.1
Summary	72.6	47.6	60.1	4.0	2.7	3.1	3814	3386	2787	1908	1182	935	1910	2211	2707	3653	13.5	77.8	319.1	7.8	84.1	0.2

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	0.88	4.3	2.2	0.7	0.3	0.27	0.73	1.29
02	1.00	3.9	1.8	0.8	0.2	0.34	0.58	1.47
03	2.10	6.2	3.7	1.8	0.4	0.65	1.71	2.91
04	2.74	6.3	4.2	1.7	0.7	1.21	2.33	3.32
05	4.45	8.7	6.5	3.4	1.4	2.35	2.74	4.87
06	3.77	8.7	5.8	2.6	1.3	2.48	4.00	4.68
07	2.48	5.9	3.5	1.7	0.6	1.19	1.82	3.64
08	3.70	7.6	4.9	2.4	1.3	1.31	3.10	5.74
09	2.80	6.6	4.3	1.6	0.8	1.31	2.23	3.93
10	2.90	6.7	4.6	2.0	0.7	1.12	2.43	3.95
11	1.42	5.0	2.7	0.6	0.4	0.27	0.71	1.86
12	1.28	4.7	2.7	1.0	0.3	0.42	0.82	1.76
Summary	29.52	74.6	46.9	20.3	8.4	12.92	23.20	39.42

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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	2.70	1.5	0.9	0.2	0.1	0.0					0.20	2.00	4.10
02	2.20	1.2	0.7	0.2	0.1	0.0					0.00	0.40	3.80
03	0.70	0.5	0.3	0.1	0.1	0.0					0.00	0.00	0.20
04	0.00	0.1	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					0.00	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	0.10	0.1	0.1	0.0	0.0	0.0					0.00	0.00	0.00
11	0.50	0.2	0.1	0.1	0.0	0.0					0.00	0.00	0.00
12	2.40	1.7	0.9	0.1	0.1	0.0					0.40	2.00	3.00
Summary	8.6	5.3	3.0	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.6	4.4	11.1

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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	94.6	144.3	360.6	571.0	880.4	1117.3	1306.4	1269.2	991.3	656.1	303.0	112.7
45	38.5	75.9	237.5	427.2	725.4	967.3	1151.5	1114.2	841.4	506.0	190.0	48.5
50	12.1	32.3	138.0	293.0	571.6	817.4	996.5	959.3	691.6	362.6	103.6	15.9
55	2.8	11.0	67.0	174.9	420.4	667.4	841.5	804.3	543.0	232.0	46.8	3.1
60	0.4	2.8	25.3	85.9	278.4	517.7	686.5	649.2	397.6	127.2	16.0	0.1
Growing Degree Units for Corn (Monthly)												
50/86	83.5	113.4	238.0	354.9	562.2	746.9	857.5	831.4	653.0	410.3	193.8	85.2

Growing Degree Units (Accumulated Monthly)												
40	95	239	600	1170	2051	3168	4475	5744	6735	7391	7694	7807
45	38	114	352	779	1504	2472	3623	4738	5579	6085	6275	6323
50	12	44	182	475	1047	1864	2861	3820	4512	4874	4978	4994
55	3	14	81	256	676	1344	2185	2989	3532	3764	3811	3814
60	0	3	28	114	393	910	1597	2246	2644	2771	2787	2787
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	84	197	435	790	1352	2099	2956	3788	4441	4851	5045	5130

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