

Summary of Monthly Normals
1991-2020

Generated on 05/20/2024

Current Location: Elev: 1100 ft. Lat: 37.8253° N Lon: 96.2644° W
Station: EUREKA 1E, KS US USC00142622

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	42.6	18.8	30.7	4.7	3.1	3.6	0.6	0.3	0.1	0.0	0.0	0.0	753.8	815.5	908.2	1063.0	0.0	0.0	10.7	7.3	28.2	1.1
02	47.6	22.3	35.0	6.0	4.1	4.8	2.8	1.4	0.6	0.1	0.0	0.0	564.1	618.8	701.8	841.3	0.0	0.0	13.2	4.0	23.1	0.5
03	58.2	31.5	44.8	4.9	4.3	4.3	31.0	21.4	11.1	2.7	0.2	0.1	345.7	398.1	480.8	627.4	0.0	0.0	22.9	1.0	16.2	0.1
04	67.5	41.6	54.5	3.9	3.2	3.4	107.9	80.4	48.5	15.1	2.6	1.0	121.4	153.9	212.0	328.6	0.0	0.3	28.1	0.0	4.6	0.0
05	75.6	53.1	64.4	3.3	2.8	2.9	305.0	252.8	182.2	89.2	30.1	16.6	15.2	25.0	47.4	109.4	0.0	0.9	30.9	0.0	0.1	0.0
06	84.8	62.9	73.9	3.0	1.9	2.2	565.5	505.8	416.7	272.1	143.0	100.0	0.1	0.4	1.4	6.8	0.3	7.5	30.0	0.0	0.0	0.0
07	90.3	67.2	78.8	3.7	2.4	2.7	736.2	674.2	581.2	426.4	275.7	218.7	0.0	0.0	0.0	0.3	3.3	17.4	31.0	0.0	0.0	0.0
08	89.5	65.0	77.3	4.1	2.7	3.1	689.6	627.7	534.8	380.9	236.5	184.1	0.0	0.0	0.1	1.3	2.9	16.8	31.0	0.0	0.0	0.0
09	82.1	56.3	69.2	3.8	3.1	3.1	431.1	374.4	293.3	173.4	84.7	58.3	5.1	8.4	17.4	47.6	0.5	6.3	30.0	0.0	0.0	0.0
10	70.5	43.5	57.0	3.7	2.5	2.8	153.9	119.5	77.9	30.4	8.2	4.4	91.9	119.5	171.0	278.5	0.0	0.4	29.5	0.1	3.6	0.0
11	57.3	31.3	44.3	5.3	4.0	4.3	23.1	14.9	6.7	1.2	0.1	0.0	344.0	395.9	477.7	622.1	0.0	0.0	22.3	0.7	16.0	0.0
12	45.6	22.2	33.9	4.0	3.6	3.6	1.7	1.0	0.5	0.0	0.0	0.0	655.7	717.0	809.4	963.9	0.0	0.0	12.9	4.6	26.5	0.3
Summary	67.6	43.0	55.3	4.2	3.1	3.4	3048	2674	2154	1392	781	583	2897	3253	3827	4890	7.0	49.6	292.5	17.7	118.3	2.0

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	0.97	4.8	2.6	0.4	0.1	0.33	0.78	1.39	
02	1.47	5.1	3.3	1.2	0.3	0.75	1.21	1.99	
03	2.52	6.7	4.2	1.7	0.7	1.36	2.40	3.29	
04	3.60	7.7	5.4	2.4	1.3	2.27	3.51	4.70	
05	5.97	10.3	8.1	4.3	1.8	3.20	5.09	6.67	
06	5.67	8.8	6.4	3.5	1.7	2.92	5.21	7.50	
07	4.56	7.9	5.8	2.6	1.4	2.41	3.37	6.95	
08	4.07	6.9	4.8	2.3	1.2	1.80	3.17	6.07	
09	3.80	6.3	4.7	2.2	1.1	1.47	3.04	5.81	
10	3.34	6.6	4.8	2.1	1.1	1.79	3.38	4.30	
11	2.36	5.2	3.5	1.4	0.7	0.65	1.52	3.62	
12	1.64	5.1	3.1	1.2	0.4	0.58	1.53	2.44	
Summary	39.97	81.4	56.7	25.3	11.8	19.53	34.21	54.73	

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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	2.80	2.1	0.8	0.2	0.0	0.0	4.0	1.5	0.4	0.0	0.50	2.20	4.10
02	1.20	1.3	0.9	0.2	0.1	0.0	2.0	0.5	0.1	0.0	0.00	0.00	1.80
03	0.90	0.8	0.5	0.1	0.0	0.0	0.5	0.2	0.0	0.0	0.00	0.00	0.90
04	0.10	0.1	0.0	0.0	0.0	0.0	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	0.0	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	0.10	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	0.50	0.4	0.2	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.00	0.00	0.40
12	3.00	1.5	1.2	0.4	0.1	0.0	2.9	1.3	0.4	0.0	0.00	1.80	5.60
Summary	8.6	6.3	3.6	0.9	0.2	0.0	10.0	3.5	0.9	0.0	0.5	4.0	12.8

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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	31.1	66.9	224.6	445.8	754.9	1015.3	1201.1	1154.5	875.9	532.5	200.6	47.8
45	10.0	31.0	132.6	312.7	600.5	865.3	1046.1	999.6	726.0	388.7	114.4	18.3
50	2.8	11.5	69.0	196.4	448.4	715.4	891.1	844.6	576.8	259.2	56.1	6.2
55	0.6	2.8	31.0	107.9	305.0	565.5	736.2	689.6	431.1	153.9	23.1	1.7
60	0.1	0.6	11.1	48.5	182.2	416.7	581.2	534.8	293.3	77.9	6.7	0.5
Growing Degree Units for Corn (Monthly)												
50/86	37.9	66.2	171.0	283.5	473.8	687.0	808.5	765.8	567.7	345.1	147.4	47.7

Growing Degree Units (Accumulated Monthly)												
40	31	98	323	768	1523	2539	3740	4894	5770	6303	6503	6551
45	10	41	174	486	1087	1952	2998	3998	4724	5112	5227	5245
50	3	14	83	280	728	1444	2335	3179	3756	4015	4071	4077
55	1	3	34	142	447	1013	1749	2439	2870	3024	3047	3048
60	0	1	12	60	242	659	1240	1775	2068	2146	2153	2154
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	38	104	275	559	1032	1719	2528	3294	3861	4206	4354	4402

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