

Summary of Monthly Normals
1991-2020

Generated on 04/28/2024

Current Location: Elev: 1871 ft. Lat: 45.7656° N Lon: 99.6222° W

Station: EUREKA, SD US USC00392797

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	20.5	1.8	11.2	5.9	6.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	1359.2	1421.1	1514.1	1669.2	0.0	0.0	0.3	23.2	31.0	13.7
02	25.0	5.6	15.3	8.4	8.3	8.3	0.0	0.0	0.0	0.0	0.0	0.0	1111.5	1167.4	1251.4	1391.5	0.0	0.0	1.1	17.5	27.6	9.3
03	38.3	17.5	27.9	7.6	5.6	6.4	0.9	0.4	0.0	0.0	0.0	0.0	841.0	902.5	995.2	1150.1	0.0	0.0	7.7	9.8	27.8	3.0
04	54.3	29.6	41.9	4.8	3.5	4.0	11.5	7.0	3.1	0.6	0.1	0.0	403.1	458.6	544.6	692.2	0.0	0.0	20.9	1.7	16.3	0.1
05	66.7	42.2	54.5	4.1	2.6	3.0	101.2	73.6	42.3	13.5	2.5	0.9	118.3	152.8	214.5	340.6	0.0	0.4	29.1	0.0	2.8	0.0
06	76.1	52.8	64.5	3.4	2.8	2.9	292.4	239.3	167.1	73.2	22.9	12.7	9.0	15.9	33.7	89.8	0.1	1.1	30.0	0.0	0.0	0.0
07	82.1	57.8	70.0	4.3	2.9	3.5	463.7	402.6	313.3	177.5	76.2	48.5	0.3	1.3	4.9	24.2	0.4	6.0	31.0	0.0	0.0	0.0
08	81.0	55.6	68.3	3.6	2.7	3.0	415.3	356.0	269.9	143.6	56.0	34.0	3.1	5.8	12.7	41.4	0.5	4.7	31.0	0.0	0.0	0.0
09	71.9	45.9	58.9	3.4	2.8	2.7	175.8	138.0	90.3	37.5	10.8	5.6	58.9	81.2	123.5	220.6	0.0	1.3	29.7	0.0	1.4	0.0
10	55.5	31.9	43.7	5.0	2.9	3.7	20.5	14.0	7.0	1.5	0.1	0.0	370.8	426.3	512.3	661.8	0.0	0.1	22.3	1.2	13.9	0.1
11	38.6	18.6	28.6	7.2	4.9	5.9	0.1	0.0	0.0	0.0	0.0	0.0	792.1	852.0	942.0	1092.0	0.0	0.0	7.4	9.0	26.8	1.5
12	25.4	7.8	16.6	6.7	5.8	6.1	0.0	0.0	0.0	0.0	0.0	0.0	1190.3	1252.2	1345.2	1500.3	0.0	0.0	0.6	20.3	30.9	7.9
Summary	52.9	30.6	41.8	5.4	4.2	4.6	1481	1231	893	447	169	102	6258	6737	7494	8874	1.0	13.6	211.1	82.7	178.5	35.6

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	4.8	0.9	0.1	0.0	0.15	0.32	0.48	
02	0.52	5.0	1.5	0.1	0.0	0.25	0.38	0.59	
03	0.82	5.6	2.3	0.3	0.1	0.27	0.55	1.32	
04	1.64	6.8	4.3	0.9	0.1	0.85	1.45	2.09	
05	3.18	9.1	6.1	1.9	0.9	1.61	3.10	4.55	
06	3.78	10.7	6.9	2.2	1.1	2.33	3.75	4.72	
07	3.10	8.6	5.8	1.9	0.7	1.38	3.20	3.84	
08	2.24	7.1	4.4	1.5	0.7	1.14	2.00	2.88	
09	1.79	6.3	3.7	1.1	0.4	0.81	1.30	2.85	
10	1.74	6.2	3.6	1.0	0.5	0.59	1.26	1.98	
11	0.54	4.2	1.7	0.3	0.0	0.15	0.35	0.69	
12	0.54	4.5	1.3	0.1	0.0	0.18	0.44	0.87	
Summary	20.25	78.9	42.5	11.4	4.5	9.71	18.10	26.86	

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

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1991-2020
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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	6.90	4.4	2.9	0.8	0.3	0.1					2.30	5.40	10.50
02	7.60	4.0	2.8	0.8	0.2	0.1					3.60	6.40	9.00
03	8.50	3.2	2.5	1.0	0.3	0.0					3.70	7.60	11.50
04	4.70	1.2	1.0	0.7	0.2	0.1					0.00	3.30	6.40
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	2.00	0.6	0.6	0.3	0.1	0.0					0.00	0.00	2.60
11	6.30	2.7	2.1	0.8	0.5	0.0					0.00	4.50	9.40
12	8.30	4.1	3.2	1.1	0.2	0.0					3.00	6.00	12.80
Summary	44.3	20.2	15.1	5.5	1.8	0.3	0.0	0.0	0.0	0.0	12.6	33.2	62.2

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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	0.0	1.7	28.5	155.1	453.7	733.4	928.2	877.1	568.6	194.0	25.1	0.4
45	0.0	0.4	11.2	80.0	314.3	583.5	773.3	722.1	423.7	107.0	7.5	0.1
50	0.0	0.0	3.2	33.5	193.4	435.0	618.3	567.4	289.1	51.1	1.3	0.0
55	0.0	0.0	0.9	11.5	101.2	292.4	463.7	415.3	175.8	20.5	0.1	0.0
60	0.0	0.0	0.0	3.1	42.3	167.1	313.3	269.9	90.3	7.0	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.2	2.0	27.9	116.4	275.0	452.4	602.6	561.9	352.4	132.3	22.8	0.8

Growing Degree Units (Accumulated Monthly)												
40	0	2	30	185	639	1372	2301	3178	3746	3940	3965	3966
45	0	0	12	92	406	989	1763	2485	2908	3015	3023	3023
50	0	0	3	37	230	665	1283	1851	2140	2191	2192	2192
55	0	0	1	12	114	406	870	1285	1461	1481	1481	1481
60	0	0	0	3	45	212	526	796	886	893	893	893
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	2	30	146	422	874	1476	2038	2391	2523	2546	2547

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