

Summary of Monthly Normals
1991-2020

Generated on 04/23/2024

Current Location: Elev: 2160 ft. Lat: 43.2356° N Lon: 99.4342° W

Station: GREGORY, SD US USC00393452

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	31.6	10.1	20.9	5.4	4.6	4.8	0.0	0.0	0.0	0.0	0.0	0.0	1058.5	1120.5	1213.5	1368.5	0.0	0.0	3.7	15.2	30.4	7.4
02	35.9	13.1	24.5	7.9	6.6	7.1	0.2	0.1	0.0	0.0	0.0	0.0	854.0	909.9	993.8	1133.9	0.0	0.0	5.8	11.5	27.0	5.1
03	46.8	22.5	34.7	6.4	4.6	5.3	5.1	2.7	1.0	0.2	0.0	0.0	636.0	695.6	786.9	941.1	0.0	0.0	14.0	5.9	25.1	1.6
04	57.6	33.3	45.4	4.4	3.3	3.6	28.9	19.4	9.5	1.9	0.1	0.0	315.4	365.9	446.0	588.4	0.0	0.1	21.9	1.4	13.7	0.0
05	68.8	45.0	56.9	3.5	2.6	2.8	147.7	113.9	73.1	27.5	6.8	3.1	88.8	117.1	169.3	278.6	0.0	0.7	29.4	0.0	2.2	0.0
06	79.6	55.9	67.8	3.1	2.4	2.6	387.2	330.8	250.6	135.4	56.4	35.8	4.8	8.4	18.2	53.0	0.2	3.6	30.0	0.0	0.0	0.0
07	86.6	61.7	74.2	4.2	2.6	3.3	593.4	531.6	439.4	290.4	159.0	116.0	0.0	0.1	0.9	6.9	1.9	11.6	31.0	0.0	0.0	0.0
08	84.7	59.3	72.0	2.9	2.3	2.4	527.7	466.5	375.7	233.4	114.2	78.3	0.9	1.6	3.8	16.5	0.9	8.8	31.0	0.0	0.0	0.0
09	76.7	49.6	63.1	3.3	2.9	2.8	275.7	228.9	165.7	84.2	32.6	19.8	31.4	44.5	71.3	139.8	0.0	3.7	29.7	0.0	0.8	0.0
10	61.6	35.7	48.7	4.7	2.9	3.4	54.1	37.7	20.0	5.6	0.9	0.3	250.9	296.5	371.8	512.4	0.0	0.4	25.1	0.7	10.5	0.0
11	46.8	23.0	34.9	6.5	4.4	5.3	3.9	1.9	0.5	0.0	0.0	0.0	606.8	664.9	753.4	903.0	0.0	0.0	13.3	5.6	24.9	0.9
12	34.5	13.8	24.2	5.7	4.4	5.0	0.0	0.0	0.0	0.0	0.0	0.0	956.2	1018.1	1111.1	1266.2	0.0	0.0	4.2	12.9	30.3	4.5
Summary	59.3	35.3	47.3	4.8	3.6	4.0	2024	1734	1336	779	370	253	4804	5243	5940	7208	3.0	28.9	239.1	53.2	164.9	19.5

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	0.55	3.4	1.6	0.2	0.0	0.32	0.42	0.72	
02	0.75	4.3	2.4	0.3	0.0	0.47	0.70	0.92	
03	1.34	5.4	3.4	0.8	0.1	0.60	1.31	1.97	
04	3.12	8.2	6.2	2.1	0.6	1.91	2.67	3.60	
05	4.13	10.4	7.8	2.9	1.1	2.63	4.19	5.23	
06	4.18	10.0	7.6	3.3	1.2	2.79	3.82	5.75	
07	2.99	7.4	5.7	2.0	0.9	1.27	2.79	4.41	
08	3.14	7.1	5.4	2.2	0.8	1.63	2.96	4.02	
09	2.41	6.3	4.0	1.5	0.7	1.09	2.25	3.40	
10	2.36	6.0	4.1	1.8	0.6	0.69	1.58	3.73	
11	0.95	4.2	2.5	0.4	0.1	0.38	0.70	1.46	
12	0.74	4.0	2.0	0.4	0.1	0.24	0.62	1.11	
Summary	26.66	76.7	52.7	17.9	6.2	14.02	24.01	36.32	

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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	6.80	2.9	2.3	0.6	0.3	0.1					3.50	6.10	8.40
02	8.50	3.6	2.7	0.9	0.4	0.1					5.00	7.00	14.00
03	5.30	2.4	1.9	0.6	0.2	0.0					2.50	5.00	9.00
04	5.40	1.4	1.2	0.6	0.4	0.1					0.00	2.90	7.70
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	1.70	0.6	0.5	0.2	0.1	0.0					0.00	0.00	0.00
11	6.90	1.8	1.7	0.6	0.2	0.1					1.60	6.90	10.80
12	10.40	3.1	2.7	1.1	0.5	0.1					1.90	9.80	15.40
Summary	45.0	15.8	13.0	4.6	2.1	0.5	0.0	0.0	0.0	0.0	14.5	37.7	65.3

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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	4.6	18.3	87.4	227.8	525.9	832.3	1058.3	991.8	695.0	311.5	76.3	8.1
45	1.1	6.1	42.2	133.8	381.2	682.4	903.3	836.8	547.7	199.9	36.6	1.8
50	0.1	1.5	16.2	67.2	251.8	533.3	748.3	681.8	405.7	112.4	14.4	0.4
55	0.0	0.2	5.1	28.9	147.7	387.2	593.4	527.7	275.7	54.1	3.9	0.0
60	0.0	0.0	1.0	9.5	73.1	250.6	439.4	375.7	165.7	20.0	0.5	0.0
Growing Degree Units for Corn (Monthly)												
50/86	8.8	22.3	79.7	155.5	314.3	529.9	697.6	648.8	436.9	205.4	69.1	11.9

Growing Degree Units (Accumulated Monthly)												
40	5	23	110	338	864	1696	2755	3746	4441	4753	4829	4837
45	1	7	49	183	564	1247	2150	2987	3535	3734	3771	3773
50	0	2	18	85	337	870	1618	2300	2706	2818	2833	2833
55	0	0	5	34	182	569	1162	1690	1966	2020	2024	2024
60	0	0	1	10	84	334	774	1149	1315	1335	1336	1336
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	9	31	111	266	581	1110	1808	2457	2894	3099	3168	3180

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

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