

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 2316 ft. Lat: 43.8878° N Lon: 100.7075° W

Station: MURDO, SD US USC00395891

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	30.7	11.6	21.1	5.8	4.6	5.1	0.0	0.0	0.0	0.0	0.0	0.0	1049.2	1111.2	1204.2	1359.3	0.0	0.0	3.2	15.2	29.7	7.5
02	34.4	14.3	24.4	8.6	7.1	7.8	0.6	0.3	0.0	0.0	0.0	0.0	858.6	914.3	998.0	1138.1	0.0	0.0	5.5	11.7	26.4	5.3
03	45.4	24.0	34.7	7.2	4.9	5.9	7.0	4.2	1.4	0.1	0.0	0.0	636.3	695.5	785.8	939.5	0.0	0.0	13.6	6.3	24.5	1.6
04	56.6	34.2	45.4	4.3	3.3	3.6	30.6	20.3	9.8	2.0	0.3	0.2	318.6	368.3	447.7	590.0	0.0	0.1	21.2	1.6	12.7	0.0
05	67.5	45.8	56.6	4.1	2.2	2.9	146.8	113.8	72.7	27.3	6.9	3.3	95.7	124.6	176.5	286.2	0.0	0.9	28.6	0.0	1.9	0.0
06	78.5	56.5	67.5	3.8	2.7	3.1	381.7	326.6	247.7	134.8	56.8	36.9	6.8	11.6	22.8	59.9	0.3	4.1	30.0	0.0	0.0	0.0
07	86.7	62.6	74.6	4.1	3.2	3.5	609.0	547.2	454.9	306.2	174.5	130.9	0.1	0.3	1.0	7.3	2.6	12.5	31.0	0.0	0.0	0.0
08	85.4	60.8	73.1	3.4	2.4	2.6	562.3	501.1	410.4	266.4	142.2	103.0	1.3	2.2	4.4	15.4	1.6	10.8	31.0	0.0	0.0	0.0
09	76.5	51.2	63.9	3.5	2.8	3.0	297.0	249.9	186.1	101.5	43.4	28.3	31.7	44.6	70.8	136.1	0.3	4.9	29.6	0.0	0.4	0.0
10	60.3	37.3	48.8	5.1	3.4	4.0	60.5	43.7	25.3	8.0	1.7	0.8	252.6	297.8	372.4	510.1	0.0	0.6	24.3	0.9	8.7	0.0
11	45.3	24.7	35.0	7.0	4.5	5.6	5.6	3.4	1.1	0.0	0.0	0.0	605.6	663.3	751.0	900.0	0.0	0.0	12.7	6.0	22.8	0.6
12	33.4	14.9	24.2	6.5	5.4	5.9	0.0	0.0	0.0	0.0	0.0	0.0	956.1	1018.1	1111.1	1266.2	0.0	0.0	4.3	13.1	30.2	4.4
Summary	58.4	36.5	47.4	5.3	3.9	4.4	2101	1811	1409	846	426	303	4813	5252	5946	7208	4.8	33.9	235.0	54.8	157.3	19.4

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	0.57	5.5	1.7	0.1	0.0	0.29	0.44	0.70
02	0.71	5.6	2.2	0.3	0.1	0.33	0.60	1.04
03	1.17	6.2	2.9	0.7	0.1	0.50	1.06	1.72
04	2.37	9.2	5.2	1.3	0.5	1.19	2.13	3.26
05	3.44	12.6	6.6	2.3	0.6	1.77	3.06	4.75
06	3.63	11.3	6.7	2.4	0.8	2.29	3.32	4.92
07	2.84	8.4	5.4	2.0	0.7	1.29	2.45	4.28
08	2.37	7.5	4.5	1.3	0.7	1.29	2.22	3.48
09	1.48	6.4	3.4	1.0	0.3	0.66	1.15	1.87
10	1.80	7.4	3.9	1.0	0.3	0.78	1.19	2.65
11	0.68	5.0	1.9	0.2	0.0	0.26	0.59	0.90
12	0.59	5.4	1.8	0.1	0.0	0.22	0.49	0.83
Summary	21.65	90.5	46.2	12.7	4.1	10.87	18.70	30.40

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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	7.50	4.9	2.1	0.7	0.3	0.0					4.20	6.90	10.90
02	8.50	4.6	2.5	0.9	0.4	0.0					2.50	4.60	11.10
03	8.10	3.6	2.4	0.9	0.3	0.1					4.10	6.90	10.30
04	6.80	1.9	1.4	0.9	0.5	0.1					0.00	4.00	8.70
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	1.80	1.0	0.7	0.2	0.0	0.0					0.00	0.00	1.90
11	5.60	2.8	1.7	0.6	0.3	0.0					2.10	3.20	10.00
12	10.80	4.5	2.9	1.1	0.4	0.2					3.30	8.30	16.40
Summary	49.1	23.3	13.7	5.3	2.2	0.4	0.0	0.0	0.0	0.0	16.2	33.9	69.3

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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	7.9	21.5	91.7	229.5	520.2	824.9	1073.8	1025.9	716.1	319.5	84.6	10.3
45	2.1	8.6	46.5	136.6	377.1	675.1	918.8	870.9	568.9	207.6	42.6	2.7
50	0.4	2.6	19.9	70.7	250.3	526.5	763.9	716.3	427.1	120.8	17.8	0.5
55	0.0	0.6	7.0	30.6	146.8	381.7	609.0	562.3	297.0	60.5	5.6	0.0
60	0.0	0.0	1.4	9.8	72.7	247.7	454.9	410.4	186.1	25.3	1.1	0.0
Growing Degree Units for Corn (Monthly)												
50/86	7.9	19.8	72.1	146.2	297.9	517.7	707.9	668.9	438.6	192.7	61.4	10.0

Growing Degree Units (Accumulated Monthly)												
40	8	29	121	351	871	1696	2770	3795	4512	4831	4916	4926
45	2	11	57	194	571	1246	2165	3036	3605	3812	3855	3858
50	0	3	23	94	344	870	1634	2351	2778	2898	2916	2917
55	0	1	8	38	185	567	1176	1738	2035	2096	2101	2101
60	0	0	1	11	84	332	786	1197	1383	1408	1409	1409
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	8	28	100	246	544	1062	1770	2438	2877	3070	3131	3141

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