

Summary of Monthly Normals
1991-2020

Current Location: Elev: 2328 ft. Lat: 44.0681° N Lon: 102.4497° W
Station: **WASTA, SD US USC00398911**
Generated on 06/03/2024

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	35.1	9.4	22.2	6.2	4.6	5.2	0.0	0.0	0.0	0.0	0.0	0.0	1015.1	1077.1	1170.1	1325.2	0.0	0.0	4.8	12.0	30.7	7.8
02	39.0	12.6	25.8	8.5	7.4	7.8	0.1	0.0	0.0	0.0	0.0	0.0	817.4	873.3	957.3	1097.4	0.0	0.0	7.8	9.2	27.1	5.6
03	50.2	22.2	36.2	6.9	3.8	5.2	5.3	3.0	0.9	0.1	0.0	0.0	588.2	647.9	738.9	893.0	0.0	0.0	16.8	4.4	26.4	1.8
04	60.1	32.6	46.3	4.0	2.8	3.1	30.1	20.2	10.1	2.3	0.5	0.3	289.6	339.7	419.7	561.8	0.0	0.3	22.8	1.1	15.1	0.0
05	69.7	43.5	56.6	4.4	2.0	2.8	141.0	107.7	67.4	22.7	4.8	2.2	91.4	120.1	172.9	283.1	0.0	1.2	29.1	0.0	2.9	0.0
06	80.4	53.9	67.2	4.5	2.5	3.3	372.4	317.1	238.0	127.3	52.2	33.4	8.0	12.7	23.6	62.8	0.8	5.8	29.9	0.0	0.0	0.0
07	89.0	60.1	74.6	4.8	2.4	3.4	605.9	544.0	451.7	303.4	171.9	127.4	0.1	0.2	0.9	7.6	2.4	13.9	31.0	0.0	0.0	0.0
08	88.3	58.0	73.2	3.1	2.2	2.3	563.9	503.0	412.7	268.6	143.1	102.3	1.4	2.6	5.3	16.2	2.9	14.8	31.0	0.0	0.0	0.0
09	79.1	47.3	63.2	3.6	3.2	3.0	280.7	233.7	170.9	88.3	35.6	22.6	34.9	47.9	75.1	142.5	1.1	6.8	29.5	0.0	1.4	0.0
10	63.1	33.6	48.4	5.0	3.0	3.7	50.0	36.0	20.3	6.2	1.1	0.4	256.1	304.1	381.4	522.2	0.0	0.7	25.8	0.7	14.3	0.1
11	49.0	21.0	35.0	6.6	3.7	4.8	2.4	1.2	0.3	0.0	0.0	0.0	602.4	661.2	750.2	900.0	0.0	0.0	14.9	4.2	26.8	1.1
12	37.4	11.7	24.6	6.5	4.7	5.5	0.0	0.0	0.0	0.0	0.0	0.0	943.6	1005.6	1098.6	1253.7	0.0	0.0	5.4	10.4	30.8	5.4
Summary	61.7	33.8	47.8	5.3	3.5	4.2	2052	1766	1372	819	409	289	4648	5092	5794	7066	7.2	43.5	248.8	42.0	175.5	21.8

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	0.28	2.8	1.1	0.1	0.0	0.12	0.27	0.38
02	0.53	3.4	1.6	0.4	0.0	0.20	0.49	0.75
03	0.87	3.7	2.1	0.5	0.1	0.56	0.90	1.16
04	1.90	6.8	5.1	1.3	0.3	1.36	1.85	2.10
05	3.55	8.7	6.9	2.4	0.8	1.79	2.97	5.05
06	2.73	9.1	6.6	2.0	0.5	1.37	2.26	4.22
07	2.32	6.7	5.1	1.8	0.6	1.12	1.57	2.71
08	1.56	5.5	4.2	1.2	0.3	0.82	1.63	1.99
09	1.19	4.4	3.2	0.7	0.2	0.64	1.05	1.61
10	1.76	5.2	3.4	0.9	0.3	0.81	1.07	1.96
11	0.64	2.8	1.7	0.2	0.1	0.22	0.41	0.91
12	0.32	2.8	1.6	0.1	0.0	0.09	0.20	0.47
Summary	17.65	61.9	42.6	11.6	3.2	9.10	14.67	23.31

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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	3.80	2.4	1.7	0.3	0.0	0.0	13.5	5.9	1.7	0.6	1.20	3.00	5.60
02	6.40	2.8	2.3	0.8	0.2	0.0	8.7	5.2	2.6	0.0	2.70	4.30	10.50
03	5.50	2.0	1.7	0.8	0.2	0.0	5.3	3.2	1.0	0.1	0.40	2.90	9.60
04	3.70	1.3	1.2	0.5	0.3	0.0	2.3	1.1	0.5	0.1	0.00	2.00	4.00
05	0.10	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	1.10	0.4	0.3	0.1	0.1	0.0	0.9	0.4	0.3	0.0	0.00	0.00	0.00
11	4.20	1.6	1.4	0.6	0.1	0.0	4.2	2.2	0.8	0.0	0.00	3.50	6.20
12	5.60	2.7	2.0	0.6	0.2	0.0	11.0	4.4	1.8	0.2	1.70	6.30	7.40
Summary	30.4	13.2	10.6	3.7	1.1	0.0	45.9	22.4	8.7	1.0	6.0	22.0	43.3

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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	5.0	21.1	98.5	241.9	517.1	814.4	1070.7	1027.3	696.8	302.0	71.4	7.7
45	0.7	7.5	46.5	142.1	372.7	664.5	915.7	872.4	550.2	188.7	30.7	1.6
50	0.0	1.7	17.8	71.9	244.9	516.4	760.7	717.6	409.4	103.5	9.8	0.1
55	0.0	0.1	5.3	30.1	141.0	372.4	605.9	563.9	280.7	50.0	2.4	0.0
60	0.0	0.0	0.9	10.1	67.4	238.0	451.7	412.7	170.9	20.3	0.3	0.0
Growing Degree Units for Corn (Monthly)												
50/86	12.7	31.2	101.4	182.1	320.4	507.5	684.3	651.4	439.1	224.7	83.1	18.0

Growing Degree Units (Accumulated Monthly)												
40	5	26	125	366	884	1698	2769	3796	4493	4795	4866	4874
45	1	8	55	197	570	1234	2150	3022	3572	3761	3792	3793
50	0	2	20	91	336	853	1613	2331	2740	2844	2854	2854
55	0	0	5	36	176	549	1155	1719	1999	2049	2052	2052
60	0	0	1	11	78	316	768	1181	1352	1372	1372	1372
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	13	44	145	327	648	1155	1840	2491	2930	3155	3238	3256

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