

Summary of Monthly Normals
1991-2020

Current Location: Elev: 1639 ft. Lat: 44.3250° N Lon: 96.7686° W
Station: **BROOKINGS 2 NE, SD US USC00391076**
Generated on 04/26/2024

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	22.2	3.5	12.8	5.3	6.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	1306.4	1368.4	1461.4	1616.5	0.0	0.0	0.4	23.5	30.9	13.8
02	26.9	7.4	17.1	7.6	7.6	7.5	0.0	0.0	0.0	0.0	0.0	0.0	1059.6	1115.6	1199.6	1339.7	0.0	0.0	1.3	18.2	27.7	9.2
03	39.1	19.9	29.5	6.4	5.4	5.7	1.7	1.1	0.6	0.2	0.0	0.0	792.2	853.6	946.1	1100.7	0.0	0.0	6.8	9.7	26.8	3.2
04	54.1	32.1	43.1	5.3	3.4	4.1	18.3	11.7	5.3	0.9	0.1	0.0	375.3	428.8	512.4	657.9	0.0	0.0	18.6	1.9	16.2	0.0
05	66.8	45.2	56.0	3.8	2.7	3.1	133.1	101.9	64.5	24.5	6.1	3.0	102.1	133.0	188.5	303.5	0.0	0.5	28.8	0.0	2.3	0.0
06	76.8	56.3	66.6	2.7	2.5	2.5	352.1	297.0	219.5	111.0	42.1	25.4	5.7	10.6	23.1	64.6	0.0	1.4	30.0	0.0	0.0	0.0
07	81.4	60.1	70.7	3.6	2.8	3.1	488.3	426.8	336.3	196.4	88.1	57.5	0.2	0.7	3.2	18.2	0.0	3.4	31.0	0.0	0.0	0.0
08	79.3	57.4	68.4	2.6	2.5	2.3	415.2	354.9	268.1	139.8	52.0	31.0	1.4	3.2	9.4	36.0	0.0	1.9	31.0	0.0	0.0	0.0
09	72.0	48.2	60.1	3.3	3.4	2.9	202.5	162.1	109.5	48.1	15.2	8.2	49.6	69.3	106.7	195.2	0.0	0.7	29.7	0.0	1.7	0.0
10	57.6	34.2	45.9	4.3	2.9	3.3	31.1	21.3	11.2	3.1	0.4	0.1	313.2	365.4	448.3	595.2	0.0	0.0	22.4	0.7	14.0	0.0
11	41.0	21.5	31.2	7.0	4.6	5.6	1.1	0.5	0.2	0.0	0.0	0.0	713.6	773.0	862.7	1012.5	0.0	0.0	7.7	8.6	26.2	1.0
12	27.5	9.7	18.6	5.9	5.6	5.6	0.0	0.0	0.0	0.0	0.0	0.0	1128.2	1190.2	1283.2	1438.3	0.0	0.0	0.9	19.5	30.9	7.8
Summary	53.7	33.0	43.3	4.8	4.1	4.3	1643	1377	1015	524	204	125	5847	6312	7045	8378	0.0	7.9	208.6	82.1	176.7	35.0

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	0.43	6.0	1.3	0.0	0.0	0.22	0.40	0.53	
02	0.50	5.6	1.5	0.0	0.0	0.25	0.50	0.67	
03	1.06	6.8	2.8	0.5	0.1	0.60	0.96	1.26	
04	2.17	9.6	5.1	1.2	0.4	1.39	1.84	2.70	
05	3.45	12.5	7.4	2.4	0.5	2.03	3.04	4.66	
06	4.29	12.0	7.2	2.9	1.1	2.61	3.34	5.70	
07	3.61	10.0	5.6	2.5	1.0	2.17	3.55	4.76	
08	3.22	9.1	5.0	2.0	0.9	1.73	2.96	4.62	
09	3.10	8.4	5.0	2.1	0.8	1.62	2.44	4.02	
10	1.97	7.7	3.6	1.1	0.6	0.95	1.54	2.69	
11	0.80	4.9	2.3	0.4	0.1	0.28	0.48	1.23	
12	0.61	6.0	1.7	0.2	0.0	0.18	0.42	1.00	
Summary	25.21	98.6	48.5	15.3	5.5	14.03	21.47	33.84	

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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	5.50	6.2	2.2	0.6	0.1	0.0	23.7	15.8	11.3	5.1	3.00	5.00	7.10
02	7.10	5.2	2.7	0.5	0.2	0.0	18.2	12.7	10.0	5.6	3.60	4.80	10.00
03	6.40	4.3	2.1	0.8	0.2	0.0	12.4	8.4	4.9	2.9	3.10	5.50	8.30
04	4.10	2.0	1.5	0.6	0.3	0.0	2.5	1.3	0.7	0.1	0.00	2.00	4.70
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	0.7	0.4	0.1	0.0	0.0	0.8	0.4	0.2	0.0	0.00	0.00	0.40
11	4.70	2.9	1.5	0.7	0.2	0.0	6.6	3.4	1.3	0.2	0.20	5.10	7.40
12	6.80	5.9	2.8	0.8	0.2	0.0	18.9	12.4	7.2	1.0	2.60	5.10	10.50
Summary	35.8	27.2	13.2	4.1	1.2	0.0	83.1	54.4	35.6	14.9	12.5	27.5	48.4

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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	0.2	3.5	40.2	178.7	499.3	796.2	953.0	878.6	603.9	240.9	44.4	1.3
45	0.0	0.9	17.0	99.0	356.8	646.2	798.0	723.7	458.0	142.2	18.6	0.2
50	0.0	0.1	6.0	47.1	232.7	497.2	643.1	568.9	321.4	72.6	5.6	0.0
55	0.0	0.0	1.7	18.3	133.1	352.1	488.3	415.2	202.5	31.1	1.1	0.0
60	0.0	0.0	0.6	5.3	64.5	219.5	336.3	268.1	109.5	11.2	0.2	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.5	3.8	31.7	118.1	288.6	501.5	632.5	569.2	372.5	156.9	34.7	1.9

Growing Degree Units (Accumulated Monthly)												
40	0	4	44	223	722	1518	2471	3350	3954	4194	4239	4240
45	0	1	18	117	474	1120	1918	2642	3100	3242	3260	3261
50	0	0	6	53	286	783	1426	1995	2316	2389	2395	2395
55	0	0	2	20	153	505	994	1409	1611	1642	1643	1643
60	0	0	1	6	70	290	626	894	1004	1015	1015	1015
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	4	36	154	443	944	1577	2146	2518	2675	2710	2712

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