

Summary of Monthly Normals
1991-2020

Generated on 05/22/2024

Current Location: Elev: 4155 ft. Lat: 43.5561° N Lon: 103.4794° W

Station: WIND CAVE, SD US USC00399347

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	39.7	14.8	27.2	3.8	4.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	860.3	922.3	1015.3	1170.3	0.0	0.0	7.0	6.8	29.3	4.9
02	40.7	15.5	28.1	7.0	5.9	6.4	0.1	0.0	0.0	0.0	0.0	0.0	753.0	808.9	892.9	1033.0	0.0	0.0	8.1	6.3	26.2	3.6
03	50.0	23.7	36.8	5.7	4.0	4.7	2.9	1.3	0.3	0.0	0.0	0.0	565.7	626.1	718.1	872.7	0.0	0.0	17.7	3.0	25.4	1.2
04	57.7	30.9	44.3	3.7	2.9	3.0	14.6	8.6	3.4	0.6	0.1	0.0	335.5	389.5	474.4	621.6	0.0	0.0	23.0	1.0	17.0	0.0
05	66.4	40.9	53.7	4.6	2.1	3.1	91.0	65.5	35.5	8.9	1.0	0.3	132.8	169.4	232.4	360.8	0.0	0.2	29.0	0.0	5.0	0.0
06	77.4	50.1	63.8	4.0	2.4	3.0	275.3	223.0	152.4	65.4	19.9	11.0	12.9	20.6	40.0	103.0	0.2	2.5	29.9	0.0	0.1	0.0
07	84.7	56.6	70.7	4.5	2.7	3.5	485.0	423.8	333.2	193.8	85.1	53.9	0.3	0.8	3.2	18.8	0.9	8.8	31.0	0.0	0.0	0.0
08	83.6	54.9	69.2	3.1	2.2	2.4	443.8	383.5	295.3	161.0	62.7	36.6	2.2	3.9	8.6	29.3	0.2	7.5	31.0	0.0	0.0	0.0
09	76.2	46.2	61.2	3.2	2.4	2.6	225.3	180.7	122.2	50.5	15.0	7.8	39.5	55.0	86.3	164.6	0.0	2.6	29.5	0.0	1.2	0.0
10	61.4	34.0	47.7	4.7	2.8	3.6	38.1	24.9	11.4	1.5	0.0	0.0	264.3	313.2	392.7	537.8	0.0	0.0	26.1	0.7	13.0	0.1
11	48.4	23.4	35.9	6.2	3.6	4.8	1.9	0.6	0.1	0.0	0.0	0.0	574.9	633.5	723.1	873.0	0.0	0.0	14.8	3.4	25.2	1.0
12	39.4	15.4	27.4	4.8	4.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	855.2	917.2	1010.3	1165.4	0.0	0.0	6.7	7.7	29.7	3.3
Summary	60.5	33.9	47.2	4.6	3.3	3.8	1578	1312	954	482	184	110	4397	4860	5597	6950	1.3	21.6	253.8	28.9	172.1	14.1

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	0.45	4.5	1.6	0.0	0.0	0.24	0.35	0.70	
02	0.70	5.8	2.3	0.2	0.0	0.41	0.67	0.94	
03	1.07	6.0	3.0	0.6	0.0	0.63	0.84	1.45	
04	2.32	9.4	5.6	1.5	0.3	1.70	2.05	2.70	
05	3.74	11.2	7.1	2.5	1.0	2.72	3.36	4.60	
06	3.29	11.4	7.0	2.2	0.5	2.03	3.03	4.14	
07	3.01	9.7	6.1	1.9	0.5	1.85	2.73	4.14	
08	2.30	8.5	4.7	1.5	0.3	1.56	2.24	2.82	
09	1.53	6.3	3.2	0.8	0.2	0.88	1.35	1.91	
10	1.55	7.0	3.5	0.8	0.2	0.79	1.23	1.69	
11	0.71	4.1	2.0	0.1	0.0	0.25	0.57	0.98	
12	0.53	3.8	1.6	0.1	0.0	0.21	0.47	0.81	
Summary	21.20	87.7	47.7	12.2	3.0	13.27	18.89	26.88	

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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	6.30	3.9	2.4	0.8	0.2	0.0					3.90	5.60	9.40
02	7.10	4.9	2.8	1.0	0.2	0.1					2.30	6.30	8.90
03	9.60	3.5	2.6	1.3	0.5	0.1					4.50	6.50	10.00
04	7.80	2.8	2.2	0.9	0.4	0.2					2.70	5.80	12.00
05	0.90	0.5	0.4	0.2	0.1	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	0.20	0.1	0.1	0.0	0.0	0.0					0.00	0.00	0.00
10	2.10	1.1	0.8	0.4	0.1	0.0					0.00	0.00	0.40
11	4.40	2.7	1.9	0.6	0.1	0.0					1.00	3.50	6.70
12	7.50	3.6	2.1	1.0	0.3	0.0					1.00	7.30	10.90
Summary	45.9	23.1	15.3	6.2	1.9	0.4	0.0	0.0	0.0	0.0	15.4	35.0	58.3

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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	12.9	20.7	91.5	189.7	429.9	712.4	949.7	906.5	636.9	283.9	75.4	13.4
45	2.5	5.5	39.6	99.7	292.1	563.1	794.9	751.6	491.0	172.9	31.8	3.0
50	0.3	1.0	13.4	43.5	176.4	415.8	639.7	597.1	351.1	90.4	10.3	0.4
55	0.0	0.1	2.9	14.6	91.0	275.3	485.0	443.8	225.3	38.1	1.9	0.0
60	0.0	0.0	0.3	3.4	35.5	152.4	333.2	295.3	122.2	11.4	0.1	0.0
Growing Degree Units for Corn (Monthly)												
50/86	12.9	21.5	84.2	148.6	267.2	438.6	607.4	579.2	408.5	201.4	65.1	14.0

Growing Degree Units (Accumulated Monthly)												
40	13	34	125	315	745	1457	2407	3313	3950	4234	4310	4323
45	2	8	48	147	439	1002	1797	2549	3040	3213	3245	3248
50	0	1	15	58	235	650	1290	1887	2238	2329	2339	2339
55	0	0	3	18	109	384	869	1313	1538	1576	1578	1578
60	0	0	0	4	39	192	525	820	942	954	954	954
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	13	34	119	267	534	973	1580	2160	2568	2770	2835	2849

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

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