

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	40.1	14.2	27.1	4.7	5.5	5.0	-7777	0	0	0	0	0	863	925	1018	1173	0.0	0.0	7.5	7.1	29.1	5.2
02	41.2	15.7	28.5	5.8	5.3	5.4	-7777	-7777	0	0	0	0	743	799	883	1023	0.0	0.0	7.3	5.3	26.5	2.5
03	49.4	23.0	36.2	4.7	4.0	4.1	2	1	-7777	-7777	0	0	584	645	738	893	0.0	0.0	16.2	3.4	25.3	1.2
04	58.2	30.9	44.5	4.8	2.8	3.5	16	10	4	1	-7777	-7777	330	383	467	614	0.0	0.1	22.8	0.9	16.1	0.0
05	67.0	41.5	54.2	4.0	2.4	2.8	95	67	36	9	1	-7777	118	153	214	342	0.0	0.1	29.0	0.0	3.7	0.0
06	76.8	49.6	63.2	3.9	3.0	3.2	261	209	141	59	18	10	15	23	45	113	0.2	1.9	29.8	0.0	0.1	0.0
07	85.1	56.3	70.7	4.1	2.8	3.4	487	426	336	198	89	58	-7777	1	4	22	0.8	8.6	31.0	0.0	0.0	0.0
08	83.8	54.5	69.2	3.3	2.5	2.7	441	381	293	160	63	37	3	4	10	32	0.1	7.0	30.9	0.0	0.0	0.0
09	75.9	45.1	60.5	3.7	2.4	2.8	207	165	110	45	13	6	42	60	95	180	0.1	1.9	29.6	0.0	1.2	0.0
10	62.2	33.9	48.1	3.9	2.2	2.8	41	27	13	2	-7777	-7777	256	304	383	527	0.0	0.0	25.8	0.6	11.6	0.0
11	47.6	22.4	35.0	6.4	4.5	5.3	2	1	-7777	0	0	0	602	661	750	900	0.0	0.0	12.9	3.8	25.2	1.0
12	39.2	13.9	26.5	5.2	5.1	5.0	-7777	0	0	0	0	0	882	944	1037	1192	0.0	0.0	5.0	6.9	29.6	3.6
Summary	60.5	33.4	47.0	4.5	3.5	3.8	1552	1287	933	474	184	111	4438	4902	5644	7011	1.2	19.6	247.8	28.0	168.4	13.5

-7777: a non-zero value that would round to zero

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service  
Current Location: Elev: 4140 ft. Lat: 43.5606° N Lon: -103.4881° W  
Station: **WIND CAVE, SD US USC00399347**

**Summary of Monthly Normals**  
**1981-2010**  
Generated on 02/28/2018

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

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	0.39	4.6	1.7	0.1	0.0	0.21	0.32	0.50
02	0.60	5.4	2.2	0.2	0.1	0.36	0.47	0.71
03	1.07	6.4	3.2	0.6	0.0	0.63	0.88	1.41
04	2.05	9.4	5.8	1.6	0.3	0.89	1.84	2.77
05	3.43	10.5	7.4	2.4	1.0	1.99	3.20	4.34
06	3.18	11.6	7.1	2.1	0.6	1.92	2.88	4.24
07	2.41	9.5	5.8	1.6	0.4	1.15	2.04	3.38
08	2.25	8.0	4.4	1.6	0.4	1.58	2.17	2.44
09	1.59	7.0	3.7	0.9	0.2	0.90	1.45	2.20
10	1.44	7.1	3.7	0.8	0.3	0.74	1.12	1.82
11	0.80	3.7	2.0	0.1	-7777	0.29	0.65	1.00
12	0.44	3.8	1.4	0.1	0.0	0.22	0.38	0.72
Summary	19.65	87.0	48.4	12.1	3.3	10.88	17.40	25.53

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1981-2010  
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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	6.4	3.9	2.5	0.8	0.2	0.0					3.7	5.8	10.2
02	5.6	4.3	2.5	0.8	0.1	0.0					2.0	6.2	7.7
03	10.5	3.7	2.7	1.4	0.6	0.1					4.5	6.4	11.9
04	6.6	2.5	2.1	0.7	0.3	0.2					2.0	4.6	12.0
05	0.6	0.3	0.3	0.1	0.0	0.0					0.0	0.0	0.0
06	0.0	0.0	0.0	0.0	0.0	0.0					0.0	0.0	0.0
07	0.0	0.0	0.0	0.0	0.0	0.0					0.0	0.0	0.0
08	0.0	0.0	0.0	0.0	0.0	0.0					0.0	0.0	0.0
09	0.2	0.1	0.1	0.1	0.0	0.0					0.0	0.0	0.0
10	1.7	1.1	0.7	0.2	-7777	0.0					0.0	0.0	0.1
11	3.5	2.3	1.6	0.4	0.1	0.0					0.0	2.0	6.3
12	6.6	3.1	1.9	1.0	0.3	0.0					1.0	7.0	10.0
Summary	41.7	21.3	14.4	5.5	1.6	0.3	0.0	0.0	0.0	0.0	13.2	32.0	58.2

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Summary of Monthly Normals  
1981-2010  
Generated on 02/28/2018

Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	15	16	81	195	446	696	950	903	616	291	69	12
45	3	3	34	104	304	547	796	748	470	181	31	3
50	-7777	-7777	10	46	184	400	641	594	330	95	10	-7777
55	-7777	-7777	2	16	95	261	487	441	207	41	2	-7777
60	0	0	-7777	4	36	141	336	293	110	13	-7777	0
Growing Degree Units for Corn (Monthly)												
50/86	17	20	79	154	274	427	607	577	399	212	62	13

Growing Degree Units (Accumulated Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	15	31	112	307	753	1449	2399	3302	3918	4209	4278	4290
45	3	6	40	144	448	995	1791	2539	3009	3190	3221	3224
50	0	0	10	56	240	640	1281	1875	2205	2300	2310	2310
55	0	0	2	18	113	374	861	1302	1509	1550	1552	1552
60	0	0	0	4	40	181	517	810	920	933	933	933
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	17	37	116	270	544	971	1578	2155	2554	2766	2828	2841

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