

Summary of Monthly Normals
1991-2020

Generated on 05/23/2024

Current Location: Elev: 1715 ft. Lat: 44.0756° N Lon: 98.5706° W
Station: **WESSINGTON SPRINGS, SD US USC00399070**

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	25.4	7.0	16.2	5.4	5.6	5.3	0.0	0.0	0.0	0.0	0.0	0.0	1202.6	1264.6	1357.6	1512.7	0.0	0.0	1.3	19.6	30.4	9.4
02	30.2	10.6	20.4	7.8	7.3	7.5	0.1	0.0	0.0	0.0	0.0	0.0	968.7	1024.7	1108.6	1248.8	0.0	0.0	3.4	14.5	26.4	6.5
03	42.3	21.6	31.9	6.8	5.2	5.8	3.5	2.1	0.9	0.1	0.0	0.0	718.1	778.7	870.5	1024.7	0.0	0.0	11.1	7.1	24.3	1.5
04	55.6	33.3	44.4	4.8	3.6	4.0	25.0	16.2	7.8	1.8	0.3	0.2	341.4	392.7	474.3	618.3	0.0	0.1	21.1	1.5	11.3	0.0
05	67.8	45.9	56.8	3.8	2.8	3.2	148.1	114.0	72.6	27.9	6.7	3.1	90.8	118.7	170.4	280.6	0.0	0.8	29.4	0.0	1.0	0.0
06	78.1	56.3	67.2	2.9	2.3	2.5	370.7	314.6	235.5	121.6	46.3	27.8	4.8	8.7	19.6	55.7	0.1	3.0	30.0	0.0	0.0	0.0
07	84.4	61.6	73.0	4.0	2.7	3.3	557.9	496.2	404.4	257.3	132.4	93.8	0.1	0.4	1.6	9.4	1.4	9.2	31.0	0.0	0.0	0.0
08	82.3	59.4	70.8	3.1	2.0	2.4	492.1	431.1	341.1	202.2	93.4	62.0	0.8	1.8	4.8	20.9	0.7	6.4	31.0	0.0	0.0	0.0
09	74.2	50.6	62.4	3.4	2.6	2.8	254.0	208.8	148.3	71.3	25.5	14.8	32.2	47.0	76.5	149.4	0.1	2.8	29.9	0.0	0.1	0.0
10	58.7	36.6	47.7	4.6	3.2	3.7	48.5	34.2	19.2	5.7	0.7	0.3	276.2	324.0	402.0	543.5	0.0	0.2	24.1	0.7	8.0	0.0
11	43.1	23.4	33.2	6.5	5.1	5.7	3.3	1.8	0.5	0.0	0.0	0.0	655.8	714.3	803.0	952.5	0.0	0.0	10.7	6.7	22.9	0.6
12	29.7	12.1	20.9	6.0	5.8	5.7	0.0	0.0	0.0	0.0	0.0	0.0	1056.9	1118.9	1211.9	1367.0	0.0	0.0	2.3	16.3	30.0	5.1
Summary	56.0	34.9	45.4	4.9	4.0	4.3	1903	1619	1230	688	305	202	5348	5794	6501	7783	2.3	22.5	225.3	66.4	154.4	23.1

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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	0.64	4.8	1.6	0.2	0.0	0.29	0.49	0.89	
02	0.73	4.6	2.4	0.3	0.0	0.30	0.68	0.96	
03	1.29	5.7	3.2	0.7	0.2	0.59	1.11	1.61	
04	3.02	8.4	5.8	2.0	0.5	1.93	2.61	3.58	
05	3.67	10.7	6.8	2.7	0.9	2.03	3.30	4.31	
06	3.85	11.3	7.1	2.4	1.1	2.18	3.59	4.60	
07	3.09	8.0	5.3	1.8	0.8	1.43	2.92	3.92	
08	2.90	7.6	4.6	1.8	0.6	1.73	2.95	3.96	
09	2.73	7.2	4.9	1.7	0.8	1.36	2.25	4.09	
10	2.09	6.7	3.9	1.5	0.6	0.77	1.74	2.76	
11	0.93	4.2	2.3	0.4	0.1	0.19	0.80	1.38	
12	0.72	4.8	2.1	0.3	0.0	0.16	0.63	1.06	
Summary	25.66	84.0	50.0	15.8	5.6	12.96	23.07	33.12	

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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	7.50	4.2	2.4	0.7	0.4	0.0	20.0	12.1	6.6	2.4	4.50	6.00	9.90
02	7.30	3.8	2.6	1.1	0.4	0.1	14.0	9.1	6.0	3.6	3.40	5.20	12.00
03	6.40	3.0	1.9	0.9	0.4	0.1	9.9	5.9	3.8	2.0	2.10	5.80	10.50
04	8.20	2.0	1.8	1.1	0.7	0.1	3.1	2.2	1.5	0.6	0.00	6.00	12.00
05	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
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	1.70	0.7	0.6	0.2	0.1	0.0	0.9	0.5	0.1	0.0	0.00	0.00	1.40
11	5.30	2.4	1.8	0.7	0.3	0.0	5.0	2.9	1.8	0.3	0.90	4.30	8.80
12	8.10	3.9	2.7	1.0	0.5	0.0	15.5	8.8	4.5	0.8	1.90	7.00	11.00
Summary	44.5	20.0	13.8	5.7	2.8	0.3	68.4	41.5	24.3	9.7	12.8	34.3	65.6

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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	2.0	9.6	63.8	211.6	525.0	815.9	1022.7	956.2	672.3	288.3	63.3	3.6
45	0.4	2.8	30.6	122.7	381.4	666.0	867.7	801.2	524.3	181.0	31.0	0.8
50	0.0	0.6	11.6	60.6	253.8	516.8	712.8	646.3	382.5	100.9	12.2	0.2
55	0.0	0.1	3.5	25.0	148.1	370.7	557.9	492.1	254.0	48.5	3.3	0.0
60	0.0	0.0	0.9	7.8	72.6	235.5	404.4	341.1	148.3	19.2	0.5	0.0
Growing Degree Units for Corn (Monthly)												
50/86	1.9	8.9	48.8	134.6	303.7	515.4	677.9	625.3	408.3	172.6	43.3	3.7

Growing Degree Units (Accumulated Monthly)												
40	2	12	75	287	812	1628	2651	3607	4279	4567	4631	4634
45	0	3	34	156	538	1204	2072	2873	3397	3578	3609	3610
50	0	1	12	73	327	843	1556	2202	2585	2686	2698	2698
55	0	0	4	29	177	547	1105	1597	1851	1900	1903	1903
60	0	0	1	9	81	317	721	1062	1211	1230	1230	1230
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	2	11	60	194	498	1013	1691	2316	2725	2897	2941	2944

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