

Summary of Monthly Normals
1991-2020

Generated on 06/03/2024

Current Location: Elev: 1705 ft. Lat: 44.3825° N Lon: 97.5497° W

Station: DE SMET, SD US USC00392302

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	23.2	4.9	14.1	5.4	5.5	5.3	0.0	0.0	0.0	0.0	0.0	0.0	1269.2	1331.2	1424.2	1579.3	0.0	0.0	0.4	21.8	30.9	11.4
02	28.5	9.2	18.9	7.4	7.1	7.1	0.0	0.0	0.0	0.0	0.0	0.0	1012.1	1068.1	1152.1	1292.1	0.0	0.0	1.7	16.3	27.4	7.1
03	40.6	20.9	30.7	6.8	5.5	5.9	2.2	1.3	0.6	0.2	0.0	0.0	754.0	815.1	907.4	1061.9	0.0	0.0	8.7	7.6	25.6	2.2
04	55.0	33.2	44.1	4.7	3.8	4.0	20.9	12.9	6.0	1.4	0.0	0.0	348.0	400.0	483.0	628.4	0.0	0.0	20.9	1.2	13.4	0.0
05	67.1	45.4	56.3	3.5	3.0	3.1	134.2	101.5	62.7	22.9	5.0	2.2	95.5	124.8	179.0	294.2	0.0	0.5	29.7	0.0	1.9	0.0
06	76.9	56.1	66.5	3.2	2.6	2.7	349.6	293.9	215.3	106.6	37.4	22.4	4.7	9.0	20.4	61.7	0.0	1.4	30.0	0.0	0.0	0.0
07	81.5	61.0	71.2	4.1	2.9	3.4	503.6	441.8	350.8	208.8	96.1	63.5	0.0	0.1	2.2	15.1	0.3	4.6	31.0	0.0	0.0	0.0
08	79.1	58.9	69.0	2.6	2.2	2.3	434.9	374.1	285.1	152.0	57.6	34.5	1.0	2.1	6.2	28.1	0.0	2.4	31.0	0.0	0.0	0.0
09	71.6	50.1	60.9	3.7	3.1	3.2	215.1	172.8	117.9	51.6	16.4	9.0	39.8	57.5	92.6	176.2	0.0	0.8	29.7	0.0	0.4	0.0
10	56.9	35.9	46.4	4.4	3.1	3.5	32.9	22.6	12.0	3.3	0.4	0.2	299.5	351.2	433.6	579.9	0.0	0.0	23.4	0.6	10.0	0.0
11	40.7	22.0	31.4	6.8	4.4	5.5	1.0	0.5	0.2	0.0	0.0	0.0	710.5	769.9	859.6	1009.5	0.0	0.0	8.3	7.9	24.3	0.5
12	27.7	10.3	19.0	5.9	5.7	5.7	0.0	0.0	0.0	0.0	0.0	0.0	1115.8	1177.8	1270.8	1425.9	0.0	0.0	1.0	18.5	30.6	6.2
Summary	54.1	34.0	44.0	4.9	4.1	4.3	1694	1421	1051	547	213	132	5650	6107	6831	8152	0.3	9.7	215.8	73.9	164.5	27.4

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

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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	0.60	3.5	2.1	0.1	0.0	0.36	0.54	0.74
02	0.88	4.2	2.4	0.5	0.1	0.49	0.68	1.41
03	1.36	5.0	3.1	0.9	0.2	0.87	1.13	1.79
04	2.30	6.9	4.9	1.5	0.4	1.42	2.13	2.87
05	3.32	9.7	6.6	2.3	0.7	2.13	3.08	4.38
06	4.06	9.8	6.8	2.8	1.0	2.62	3.68	4.98
07	3.88	8.2	6.2	2.9	1.0	2.24	3.53	5.55
08	3.07	7.1	4.9	1.9	1.0	1.57	2.98	4.10
09	2.78	6.4	4.3	1.8	0.8	1.30	2.35	3.75
10	1.98	5.8	3.8	1.2	0.5	0.95	1.80	2.64
11	0.96	3.8	2.4	0.5	0.1	0.26	0.79	1.27
12	0.74	4.0	2.1	0.4	0.0	0.26	0.63	1.06
Summary	25.93	74.4	49.6	16.8	5.8	14.47	23.32	34.54

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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	6.20	3.9	2.8	0.9	0.3	0.0	27.0	21.0	14.5	8.0	3.10	5.00	8.80
02	9.20	3.7	2.9	1.0	0.3	0.0	20.9	16.5	11.1	7.9	4.00	8.50	12.00
03	6.90	3.0	2.4	0.9	0.4	0.1	13.3	9.6	6.7	3.4	1.90	5.60	11.90
04	4.80	1.6	1.1	0.5	0.3	0.1	2.9	2.0	1.5	0.6	0.00	0.80	6.60
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	1.60	0.8	0.5	0.2	0.1	0.0	1.0	0.5	0.3	0.0	0.00	0.00	1.70
11	5.40	2.4	1.8	0.8	0.3	0.1	6.1	4.4	2.9	0.6	0.90	3.80	8.20
12	7.30	4.2	2.8	0.9	0.5	0.1	19.7	14.4	10.1	2.8	2.90	5.40	10.80
Summary	41.4	19.6	14.3	5.2	2.2	0.4	90.9	68.4	47.1	23.3	12.8	29.1	60.0

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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	4.1	45.1	196.4	507.6	794.8	968.4	898.8	626.0	252.7	42.7	1.5
45	0.0	1.1	19.9	110.0	363.8	644.8	813.5	743.8	478.9	150.1	17.4	0.1
50	0.0	0.2	7.2	53.8	236.9	495.5	658.6	589.0	338.8	76.2	4.9	0.0
55	0.0	0.0	2.2	20.9	134.2	349.6	503.6	434.9	215.1	32.9	1.0	0.0
60	0.0	0.0	0.6	6.0	62.7	215.3	350.8	285.1	117.9	12.0	0.2	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.5	4.4	35.0	122.5	294.3	502.4	645.5	585.7	374.9	148.4	29.7	1.6

Growing Degree Units (Accumulated Monthly)												
40	0	4	49	246	753	1548	2517	3415	4041	4294	4337	4338
45	0	1	21	131	495	1140	1953	2697	3176	3326	3343	3343
50	0	0	7	61	298	794	1452	2041	2380	2456	2461	2461
55	0	0	2	23	157	507	1010	1445	1660	1693	1694	1694
60	0	0	1	7	69	285	635	921	1038	1050	1051	1051
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	5	40	162	457	959	1605	2190	2565	2714	2743	2745

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