

Summary of Monthly Normals
1991-2020

Generated on 06/03/2024

Current Location: Elev: 1597 ft. Lat: 45.0364° N Lon: 99.1342° W

Station: FAULKTON 1 NW, SD US USC00392927

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	24.0	4.4	14.2	5.7	5.8	5.7	0.0	0.0	0.0	0.0	0.0	0.0	1264.6	1326.6	1419.6	1574.6	0.0	0.0	0.8	20.8	30.8	12.3
02	28.7	8.0	18.4	8.5	8.1	8.2	0.0	0.0	0.0	0.0	0.0	0.0	1026.1	1082.1	1166.1	1306.1	0.0	0.0	2.3	15.6	27.0	8.6
03	41.1	19.2	30.1	7.5	5.2	6.2	1.6	0.9	0.4	0.0	0.0	0.0	772.0	833.3	925.8	1080.4	0.0	0.0	9.5	8.5	26.9	2.6
04	56.1	31.1	43.6	4.8	3.4	3.9	19.5	12.2	5.6	0.9	0.2	0.1	361.5	414.2	497.6	643.0	0.0	0.1	20.6	1.6	15.5	0.0
05	68.3	43.6	56.0	4.1	2.6	3.1	132.8	101.2	62.8	22.4	5.5	2.7	103.4	133.8	188.4	303.0	0.0	0.7	29.1	0.0	2.5	0.0
06	78.3	54.1	66.2	3.3	2.7	2.8	342.8	288.1	211.1	105.5	39.7	23.9	7.0	12.3	25.2	69.6	0.2	2.9	30.0	0.0	0.0	0.0
07	84.5	58.6	71.6	4.1	3.0	3.4	513.1	451.7	361.0	219.0	106.6	73.7	0.2	0.8	3.1	16.0	1.0	8.6	31.0	0.0	0.0	0.0
08	83.1	56.6	69.8	3.4	2.3	2.6	461.8	401.5	312.9	178.6	79.8	52.1	1.6	3.3	7.7	28.3	0.8	6.7	31.0	0.0	0.0	0.0
09	74.4	47.3	60.8	3.2	2.5	2.5	220.1	177.9	123.2	56.0	19.9	12.0	44.7	62.5	97.9	180.6	0.0	2.4	29.7	0.0	1.0	0.0
10	58.7	33.9	46.3	4.8	3.0	3.6	37.4	25.8	13.8	3.5	0.6	0.2	307.1	357.5	438.5	583.2	0.0	0.2	23.4	0.5	12.0	0.0
11	42.3	20.6	31.5	7.1	4.8	5.8	1.3	0.5	0.1	0.0	0.0	0.0	707.8	767.0	856.5	1006.5	0.0	0.0	9.6	7.6	25.5	1.0
12	28.8	10.0	19.4	6.9	5.9	6.3	0.0	0.0	0.0	0.0	0.0	0.0	1103.4	1165.4	1258.4	1413.5	0.0	0.0	1.9	17.9	30.4	6.7
Summary	55.7	32.3	44.0	5.3	4.1	4.5	1730	1460	1091	586	252	165	5699	6159	6885	8205	2.0	21.6	218.9	72.5	171.6	31.2

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	0.67	5.5	2.0	0.1	0.1	0.32	0.47	0.62	
02	0.80	5.3	2.1	0.5	0.0	0.37	0.68	1.14	
03	1.02	5.3	2.9	0.5	0.1	0.48	0.99	1.33	
04	2.02	7.9	4.8	1.3	0.3	1.16	1.78	2.80	
05	3.24	11.0	6.4	2.1	0.9	2.05	2.93	4.39	
06	3.59	11.7	7.3	2.4	0.9	2.72	3.32	4.05	
07	2.74	8.8	5.2	1.6	0.6	1.28	2.19	3.16	
08	2.67	8.3	4.4	1.8	0.6	1.67	2.41	3.41	
09	2.04	7.6	4.2	1.2	0.4	0.81	1.63	2.80	
10	1.86	7.0	3.7	1.1	0.3	0.71	1.28	2.54	
11	0.78	4.6	2.0	0.4	0.1	0.20	0.50	1.25	
12	0.57	4.9	2.2	0.2	0.0	0.21	0.61	0.77	
Summary	22.00	87.9	47.2	13.2	4.3	11.98	18.79	28.26	

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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	7.60	4.0	3.2	0.7	0.2	0.0					4.00	6.00	9.50
02	9.30	3.5	2.6	1.0	0.3	0.1					4.70	8.00	12.50
03	6.80	2.0	1.5	0.6	0.2	0.0					2.10	5.50	10.00
04	7.10	1.6	1.6	0.8	0.3	0.1					0.00	2.50	13.00
05	0.00	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					0.00	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	0.00	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
10	0.90	0.6	0.5	0.2	0.0	0.0					0.00	0.00	0.20
11	3.40	2.1	1.6	0.6	0.3	0.0					0.30	1.00	6.00
12	8.60	3.3	2.8	0.9	0.1	0.0					5.00	7.50	10.70
Summary	43.7	17.1	13.8	4.8	1.4	0.2	0.0	0.0	0.0	0.0	16.1	30.5	61.9

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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	1.1	6.2	45.6	191.1	498.9	785.9	977.9	925.2	626.5	253.7	46.9	2.0
45	0.2	1.7	18.5	106.9	358.3	636.0	822.8	770.1	479.8	154.7	19.5	0.2
50	0.0	0.2	6.2	50.5	233.5	487.0	667.9	615.3	342.0	83.0	6.2	0.0
55	0.0	0.0	1.6	19.5	132.8	342.8	513.1	461.8	220.1	37.4	1.3	0.0
60	0.0	0.0	0.4	5.6	62.8	211.1	361.0	312.9	123.2	13.8	0.1	0.0
Growing Degree Units for Corn (Monthly)												
50/86	1.6	6.5	43.1	140.0	302.8	491.6	634.2	594.7	390.1	169.6	41.7	3.6

Growing Degree Units (Accumulated Monthly)												
40	1	7	53	244	743	1529	2507	3432	4058	4312	4359	4361
45	0	2	20	127	486	1122	1944	2714	3194	3349	3368	3369
50	0	0	6	57	290	777	1445	2061	2403	2486	2492	2492
55	0	0	2	21	154	497	1010	1472	1692	1729	1730	1730
60	0	0	0	6	69	280	641	954	1077	1091	1091	1091
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	2	8	51	191	494	986	1620	2214	2605	2774	2816	2819

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