

Summary of Monthly Normals
1991-2020

Generated on 04/26/2024

Current Location: Elev: 1180 ft. Lat: 42.8783° N Lon: 97.3633° W
Station: YANKTON 2 E, SD US USW00094911

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	30.0	10.4	20.2	5.3	5.3	5.1	0.0	0.0	0.0	0.0	0.0	0.0	1078.6	1140.6	1233.6	1388.6	0.0	0.0	2.4	16.7	30.7	8.5
02	34.9	14.2	24.6	7.5	6.7	6.9	0.3	0.1	0.0	0.0	0.0	0.0	852.7	908.6	992.5	1132.5	0.0	0.0	4.8	12.2	27.0	5.4
03	47.1	24.6	35.9	6.3	4.6	5.2	7.1	4.4	2.2	0.6	0.1	0.0	600.8	660.1	750.9	904.4	0.0	0.0	13.2	5.1	24.2	1.4
04	60.0	35.4	47.7	4.6	3.5	3.8	42.1	29.4	16.9	5.6	1.2	0.5	261.0	308.4	385.9	524.6	0.0	0.4	23.5	0.5	11.7	0.0
05	71.9	47.7	59.8	3.6	3.0	3.1	201.9	162.0	112.0	52.8	19.1	11.2	53.1	75.2	118.2	214.0	0.1	1.8	30.4	0.0	1.0	0.0
06	82.4	58.9	70.7	3.1	2.6	2.7	471.1	412.8	327.6	198.2	96.8	66.8	1.7	3.4	8.3	28.9	0.4	6.9	30.0	0.0	0.0	0.0
07	87.1	63.8	75.4	3.8	2.9	3.2	633.8	571.8	478.9	327.5	188.0	140.7	0.0	0.0	0.1	3.7	1.3	11.8	31.0	0.0	0.0	0.0
08	84.8	61.5	73.1	2.7	2.5	2.4	562.6	500.8	408.9	261.9	135.4	94.8	0.0	0.2	1.4	9.4	0.3	7.9	31.0	0.0	0.0	0.0
09	77.5	52.1	64.8	3.4	3.5	3.2	313.0	262.9	195.4	105.4	44.9	28.7	19.2	29.1	51.5	111.5	0.0	3.7	29.8	0.0	0.5	0.0
10	63.3	38.5	50.9	4.3	2.7	3.3	71.9	52.1	30.5	10.3	2.6	1.1	199.0	241.2	312.6	447.4	0.0	0.4	26.5	0.2	8.6	0.0
11	47.2	25.3	36.2	6.5	4.1	5.1	5.0	2.7	1.0	0.1	0.0	0.0	567.4	625.1	713.5	862.6	0.0	0.0	13.4	5.0	23.6	0.5
12	34.0	14.9	24.5	5.6	5.1	5.1	0.0	0.0	0.0	0.0	0.0	0.0	946.8	1008.8	1101.8	1256.8	0.0	0.0	3.6	12.8	30.3	4.5
Summary	60.0	37.3	48.7	4.7	3.9	4.1	2309	1999	1573	962	488	344	4580	5001	5670	6884	2.1	32.9	239.6	52.5	157.6	20.3

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	0.65	4.8	1.9	0.2	0.0	0.33	0.55	0.75	
02	0.91	5.3	2.3	0.4	0.2	0.50	0.90	1.16	
03	1.60	6.3	4.0	0.9	0.3	0.65	1.13	2.37	
04	3.36	8.8	6.1	2.4	0.9	2.19	3.55	4.68	
05	3.68	11.6	7.6	2.6	0.7	2.38	3.51	4.62	
06	4.03	10.6	7.4	2.7	1.0	2.12	3.02	5.42	
07	3.46	8.0	5.4	2.3	1.0	1.68	3.40	4.53	
08	3.26	8.5	5.6	2.1	0.8	1.60	3.35	4.70	
09	2.85	7.3	4.7	1.9	0.7	1.51	2.43	4.16	
10	2.56	6.9	4.6	1.5	0.7	1.00	1.94	4.04	
11	1.27	4.8	2.6	0.7	0.3	0.31	0.94	1.91	
12	1.03	5.2	2.6	0.6	0.1	0.30	0.75	1.45	
Summary	28.66	88.1	54.8	18.3	6.7	14.57	25.47	39.79	

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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	6.70	3.3	2.4	0.8	0.4	0.1	17.6	12.1	8.4	3.0	2.60	6.30	10.10
02	8.50	3.6	2.4	1.0	0.6	0.1	13.4	11.1	9.0	4.3	4.00	8.80	13.30
03	4.70	2.4	1.8	0.6	0.3	0.0	7.4	4.7	3.3	0.8	2.00	3.50	7.50
04	3.70	1.2	1.1	0.7	0.2	0.0	1.5	0.8	0.3	0.0	0.00	1.00	5.10
05	0.20	0.1	0.1	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	0.80	0.5	0.4	0.0	0.0	0.0	0.4	0.1	0.0	0.0	0.00	0.00	0.70
11	5.90	1.6	1.4	0.8	0.4	0.1	4.4	3.0	2.0	0.8	0.80	4.50	9.50
12	7.60	3.8	3.0	1.0	0.6	0.0	12.8	8.2	6.0	1.8	2.10	6.30	10.80
Summary	38.1	16.5	12.6	4.9	2.5	0.3	57.5	40.0	29.0	10.7	11.5	30.4	57.0

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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	3.5	16.6	95.2	274.4	614.3	919.4	1098.8	1027.5	743.9	363.1	84.1	7.3
45	0.3	5.1	47.8	168.4	463.0	769.3	943.7	872.5	594.8	239.2	40.6	1.4
50	0.0	1.3	20.6	91.3	322.9	619.5	788.7	717.5	449.5	140.7	17.2	0.2
55	0.0	0.3	7.1	42.1	201.9	471.1	633.8	562.6	313.0	71.9	5.0	0.0
60	0.0	0.0	2.2	16.9	112.0	327.6	478.9	408.9	195.4	30.5	1.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	5.5	16.1	75.5	178.7	371.3	595.9	735.5	684.4	468.4	228.5	64.7	8.5

Growing Degree Units (Accumulated Monthly)												
40	4	20	115	390	1004	1923	3022	4050	4794	5157	5241	5248
45	0	5	53	222	685	1454	2398	3270	3865	4104	4145	4146
50	0	1	22	113	436	1056	1844	2562	3011	3152	3169	3169
55	0	0	7	50	251	722	1356	1919	2232	2304	2309	2309
60	0	0	2	19	131	459	938	1346	1542	1572	1573	1573
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	6	22	97	276	647	1243	1978	2663	3131	3360	3424	3433

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