

Summary of Monthly Normals
1991-2020

Generated on 06/03/2024

Current Location: Elev: 1137 ft. Lat: 42.7625° N Lon: 96.9194° W

Station: VERMILLION 2 SE, SD US USC00398622

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	30.5	10.2	20.4	5.9	5.2	5.4	0.0	0.0	0.0	0.0	0.0	0.0	1073.9	1135.9	1228.9	1383.9	0.0	0.0	3.0	15.6	30.5	7.5
02	36.1	14.0	25.0	7.6	7.0	7.1	0.3	0.1	0.0	0.0	0.0	0.0	838.7	894.5	978.5	1118.4	0.0	0.0	5.6	11.2	26.5	4.8
03	48.4	25.2	36.8	6.6	4.5	5.3	10.5	7.3	3.8	1.1	0.2	0.1	574.8	633.5	723.0	875.4	0.0	0.0	15.1	3.8	22.9	0.9
04	61.9	36.0	48.9	4.3	3.4	3.6	53.9	38.8	23.3	8.7	2.2	1.1	235.3	280.4	354.8	490.2	0.0	0.5	25.3	0.5	10.7	0.0
05	72.7	48.1	60.4	3.4	2.9	3.0	216.8	175.5	122.4	57.9	21.3	12.6	49.4	70.1	110.0	200.5	0.1	2.0	30.7	0.0	1.2	0.0
06	82.2	59.1	70.7	3.0	2.8	2.7	470.5	412.4	327.0	196.6	94.4	65.1	1.2	3.0	7.6	27.3	0.1	6.7	30.0	0.0	0.0	0.0
07	85.5	63.2	74.4	3.7	2.9	3.1	599.6	537.7	445.2	295.2	161.2	116.6	0.0	0.0	0.5	5.5	0.7	10.0	31.0	0.0	0.0	0.0
08	83.3	60.7	72.0	2.6	2.4	2.3	527.0	465.3	373.6	229.2	109.2	72.7	0.1	0.4	1.7	12.3	0.2	6.7	31.0	0.0	0.0	0.0
09	78.1	51.8	64.9	3.3	3.1	2.8	315.1	264.2	195.0	102.1	40.7	25.0	16.8	25.8	46.7	103.8	0.0	2.7	29.9	0.0	0.6	0.0
10	64.6	38.5	51.6	4.1	2.7	3.2	80.4	59.3	35.5	12.7	3.0	1.6	187.3	228.3	297.4	429.6	0.0	0.6	27.4	0.2	8.1	0.0
11	48.2	25.2	36.7	6.6	4.2	5.2	6.4	3.7	1.5	0.2	0.0	0.0	555.3	612.7	700.5	849.1	0.0	0.0	15.1	3.9	22.2	0.6
12	34.0	14.6	24.3	5.8	5.3	5.4	0.0	0.0	0.0	0.0	0.0	0.0	951.5	1013.5	1106.5	1261.5	0.0	0.0	4.3	12.0	29.6	4.5
Summary	60.5	37.2	48.8	4.7	3.9	4.1	2280	1964	1527	904	432	295	4484	4898	5556	6758	1.1	29.2	248.4	47.2	152.3	18.3

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	0.53	4.2	1.7	0.1	0.0	0.29	0.47	0.73	
02	0.70	4.4	2.0	0.3	0.0	0.36	0.56	0.99	
03	1.42	5.3	3.8	0.9	0.3	0.62	1.21	1.78	
04	3.09	8.1	5.8	2.2	0.8	1.86	2.72	3.83	
05	3.96	10.2	7.8	2.7	0.7	2.65	3.82	4.90	
06	4.30	9.1	6.8	2.9	1.3	2.42	3.54	5.12	
07	3.61	7.2	5.5	2.5	0.9	1.57	3.36	4.97	
08	2.88	7.1	5.3	2.3	0.7	1.64	2.63	4.38	
09	3.07	6.1	4.8	2.1	0.9	1.77	2.57	4.00	
10	2.35	6.8	4.8	1.6	0.7	0.87	1.59	3.77	
11	1.30	4.4	2.9	0.9	0.2	0.36	1.02	1.83	
12	0.79	4.5	2.4	0.4	0.0	0.19	0.65	1.25	
Summary	28.00	77.4	53.6	18.9	6.5	14.60	24.14	37.55	

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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	16.7	107.1	304.8	632.8	919.2	1064.6	991.8	748.3	382.7	91.0	6.6
45	0.4	5.3	56.3	194.6	481.4	769.2	909.6	836.8	599.2	257.4	46.1	2.2
50	0.0	1.4	25.8	110.1	339.8	619.3	754.6	681.9	452.8	154.5	19.6	0.3
55	0.0	0.3	10.5	53.9	216.8	470.5	599.6	527.0	315.1	80.4	6.4	0.0
60	0.0	0.0	3.8	23.3	122.4	327.0	445.2	373.6	195.0	35.5	1.5	0.0
Growing Degree Units for Corn (Monthly)												
50/86	6.6	17.5	85.4	205.1	392.5	605.9	721.0	664.8	481.8	251.7	71.2	7.4

Growing Degree Units (Accumulated Monthly)												
40	4	20	127	432	1065	1984	3049	4040	4789	5172	5262	5269
45	0	6	62	257	738	1507	2417	3254	3853	4110	4156	4158
50	0	1	27	137	477	1096	1851	2533	2986	3140	3160	3160
55	0	0	11	65	282	752	1352	1879	2194	2274	2280	2280
60	0	0	4	27	150	476	922	1295	1490	1526	1527	1527
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	7	24	110	315	707	1313	2034	2699	3181	3432	3504	3511

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

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