

Summary of Monthly Normals
1991-2020

Generated on 05/23/2024

Current Location: Elev: 1576 ft. Lat: 44.5178° N Lon: 98.9814° W

Station: MILLER, SD US USC00395561

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	26.2	7.0	16.6	5.5	5.6	5.4	0.0	0.0	0.0	0.0	0.0	0.0	1190.2	1252.2	1345.2	1500.3	0.0	0.0	1.0	19.7	30.7	10.9
02	30.6	9.9	20.3	8.4	7.7	7.9	0.1	0.0	0.0	0.0	0.0	0.0	972.9	1028.9	1112.8	1252.9	0.0	0.0	3.3	15.3	27.2	7.8
03	42.6	20.7	31.7	7.0	4.7	5.7	1.8	0.8	0.2	0.0	0.0	0.0	725.7	786.7	879.2	1033.9	0.0	0.0	10.0	8.0	27.4	1.9
04	56.3	31.9	44.1	4.9	3.5	4.0	20.9	13.6	6.2	1.2	0.2	0.1	347.9	400.6	483.3	628.2	0.0	0.0	20.3	1.5	16.2	0.0
05	68.2	44.7	56.4	3.8	2.7	3.0	138.3	105.5	66.3	24.3	6.0	3.2	93.4	122.6	176.4	289.4	0.0	0.6	29.1	0.0	2.5	0.0
06	78.2	55.6	66.9	3.2	2.5	2.7	361.7	306.1	227.8	117.2	44.8	27.6	4.8	9.2	20.9	60.3	0.1	2.3	30.0	0.0	0.0	0.0
07	84.8	60.7	72.7	4.2	2.6	3.3	550.2	488.4	396.8	250.7	126.9	89.1	0.1	0.4	1.7	10.5	1.3	8.4	31.0	0.0	0.0	0.0
08	82.6	58.1	70.3	3.1	2.3	2.4	476.8	415.8	326.6	188.4	84.4	54.8	1.0	2.1	5.8	22.6	0.5	5.6	31.0	0.0	0.0	0.0
09	74.4	49.1	61.7	3.5	2.8	2.8	240.9	197.0	139.7	67.3	24.7	15.1	38.6	54.7	87.4	164.9	0.1	2.6	29.7	0.0	1.0	0.0
10	58.9	35.4	47.2	5.0	3.2	3.8	42.8	30.0	16.3	4.4	0.5	0.1	286.1	335.3	414.6	557.7	0.0	0.1	23.7	0.8	10.9	0.0
11	43.5	22.3	32.9	7.1	4.7	5.7	2.0	1.0	0.2	0.0	0.0	0.0	665.0	724.0	813.2	963.0	0.0	0.0	10.2	7.0	25.3	0.9
12	30.4	12.1	21.2	6.3	5.7	5.9	0.0	0.0	0.0	0.0	0.0	0.0	1046.0	1108.0	1201.0	1356.1	0.0	0.0	2.3	16.5	30.5	5.8
Summary	56.4	34.0	45.2	5.2	4.0	4.4	1836	1558	1180	653	288	190	5372	5825	6542	7840	2.0	19.6	221.6	68.8	171.7	27.3

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	0.42	4.0	1.0	0.1	0.0	0.13	0.31	0.58	
02	0.77	4.7	2.3	0.2	0.0	0.34	0.64	1.11	
03	0.91	4.8	2.6	0.4	0.1	0.52	0.78	1.27	
04	2.21	7.5	5.1	1.4	0.2	1.16	2.18	3.12	
05	3.51	10.3	7.5	2.4	0.9	2.07	3.02	5.34	
06	3.86	10.1	7.5	2.4	0.9	2.72	3.56	4.93	
07	3.01	7.9	5.9	2.3	0.8	1.37	2.66	4.44	
08	2.46	7.4	5.3	1.5	0.7	1.36	2.33	3.00	
09	1.95	5.9	3.9	1.3	0.2	0.81	1.60	2.70	
10	2.02	6.0	3.8	1.3	0.5	0.86	1.51	2.59	
11	0.61	3.2	1.9	0.2	0.0	0.15	0.34	1.09	
12	0.59	4.3	1.6	0.1	0.0	0.22	0.43	0.84	
Summary	22.32	76.1	48.4	13.6	4.3	11.71	19.36	31.01	

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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	7.00	3.3	3.1	0.6	0.2	0.0	18.6	10.6	7.6	4.9	3.00	6.00	9.00
02	10.70	3.7	3.6	1.4	0.6	0.1	15.3	8.5	5.5	3.5	4.00	10.00	15.60
03	6.80	2.5	2.4	0.8	0.6	0.0	8.1	5.8	3.6	2.8	2.00	4.00	12.50
04	5.10	1.6	1.4	0.7	0.3	0.1	2.2	1.3	1.0	0.4	0.00	2.00	6.00
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	1.10	0.5	0.4	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	1.00
11	4.30	1.8	1.6	0.4	0.2	0.0	3.4	1.6	1.1	0.2	0.00	1.70	6.20
12	8.70	3.4	3.3	1.2	0.3	0.0	13.6	8.5	4.2	1.5	2.50	8.90	13.50
Summary	43.7	16.8	15.8	5.3	2.2	0.2	61.3	36.3	23.0	13.3	11.5	32.6	63.8

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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	1.5	9.7	53.9	198.1	512.2	806.8	1014.9	940.7	653.0	273.4	57.5	4.2
45	0.2	2.7	22.5	111.4	369.1	656.9	859.9	785.7	505.8	169.1	25.6	1.1
50	0.0	0.7	7.2	53.8	241.9	507.5	704.9	630.8	365.9	92.4	8.4	0.2
55	0.0	0.1	1.8	20.9	138.3	361.7	550.2	476.8	240.9	42.8	2.0	0.0
60	0.0	0.0	0.2	6.2	66.3	227.8	396.8	326.6	139.7	16.3	0.2	0.0
Growing Degree Units for Corn (Monthly)												
50/86	1.9	10.8	49.4	140.6	304.2	506.8	667.2	609.3	401.6	173.5	46.7	5.1

Growing Degree Units (Accumulated Monthly)												
40	2	11	65	263	775	1582	2597	3538	4191	4464	4522	4526
45	0	3	25	137	506	1163	2023	2808	3314	3483	3509	3510
50	0	1	8	62	304	811	1516	2147	2513	2605	2614	2614
55	0	0	2	23	161	523	1073	1550	1791	1834	1836	1836
60	0	0	0	6	73	300	697	1024	1164	1180	1180	1180
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	2	13	62	203	507	1014	1681	2290	2692	2865	2912	2917

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