

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 1332 ft. Lat: 43.2358° N Lon: 97.5714° W

Station: MENNO, SD US USC00395481

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	28.4	9.9	19.2	5.6	5.3	5.3	0.0	0.0	0.0	0.0	0.0	0.0	1111.2	1173.2	1266.2	1421.2	0.0	0.0	1.7	17.3	30.8	8.1
02	33.7	13.8	23.7	7.9	7.0	7.3	0.3	0.1	0.0	0.0	0.0	0.0	875.1	930.9	1014.8	1154.9	0.0	0.0	4.4	12.4	26.5	5.1
03	47.0	25.1	36.0	7.0	4.9	5.7	8.6	5.2	2.5	0.8	0.2	0.1	596.1	654.7	745.0	898.3	0.0	0.0	14.0	4.5	22.9	1.2
04	60.8	36.2	48.5	4.6	3.4	3.8	50.1	35.2	19.5	5.6	1.1	0.4	245.1	290.2	364.5	500.6	0.0	0.4	24.4	0.6	10.7	0.0
05	72.5	48.3	60.4	3.8	2.8	3.0	217.2	175.3	121.2	56.7	20.4	11.8	49.8	69.9	108.9	199.4	0.0	1.8	30.7	0.0	1.2	0.0
06	82.2	59.2	70.7	3.3	3.0	3.0	472.0	413.6	328.5	198.3	96.3	66.3	1.2	2.7	7.7	27.4	0.3	6.7	30.0	0.0	0.0	0.0
07	85.8	63.1	74.4	4.1	3.0	3.3	602.8	540.8	448.1	298.2	163.3	118.8	0.0	0.0	0.3	5.4	1.0	9.4	31.0	0.0	0.0	0.0
08	83.0	60.7	71.8	2.8	2.1	2.3	522.5	460.8	369.4	224.6	104.1	68.5	0.2	0.6	2.1	12.3	0.2	5.2	31.0	0.0	0.0	0.0
09	77.1	52.0	64.6	3.6	3.3	3.1	305.0	255.2	187.7	97.0	37.9	23.2	18.7	28.9	51.4	110.6	0.0	3.0	29.9	0.0	0.8	0.0
10	62.7	38.8	50.7	4.2	2.7	3.2	70.8	51.4	30.1	10.2	2.2	1.0	202.6	245.2	316.9	452.0	0.0	0.2	26.5	0.3	8.3	0.0
11	45.4	25.0	35.2	6.8	4.5	5.4	4.6	2.5	0.8	0.0	0.0	0.0	598.5	656.4	744.7	894.0	0.0	0.0	12.6	5.2	23.1	0.7
12	31.8	14.1	22.9	6.0	5.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	993.3	1055.3	1148.3	1303.4	0.0	0.0	2.3	14.4	30.2	4.5
Summary	59.2	37.2	48.2	5.0	3.9	4.2	2254	1940	1508	891	425	290	4692	5108	5771	6980	1.5	26.7	238.5	54.7	154.5	19.6

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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	4.7	1.8	0.1	0.0	0.30	0.43	0.55	
02	0.66	4.9	2.2	0.3	0.0	0.32	0.67	0.84	
03	1.27	6.2	3.4	0.6	0.2	0.62	0.98	1.83	
04	2.72	8.3	5.6	1.9	0.5	1.86	2.40	3.14	
05	3.41	10.8	7.7	2.3	0.7	1.98	3.75	4.54	
06	3.64	9.7	6.6	2.2	0.9	2.23	3.28	4.74	
07	2.79	7.2	5.2	1.7	0.8	1.46	2.33	3.64	
08	3.28	7.6	5.6	2.1	0.8	1.94	3.11	4.17	
09	2.86	6.3	4.2	1.9	0.9	1.34	2.81	3.88	
10	2.06	6.6	4.1	1.5	0.5	1.02	1.61	2.76	
11	0.99	4.6	2.4	0.5	0.1	0.28	0.57	1.60	
12	0.82	4.8	2.4	0.4	0.1	0.25	0.56	1.11	
Summary	25.03	81.7	51.2	15.5	5.5	13.60	22.50	32.80	

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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	7.10	5.1	2.4	0.7	0.3	0.0	20.3	13.2	9.3	2.0	3.50	7.00	8.60
02	7.40	5.2	2.8	1.0	0.3	0.0	14.6	10.2	7.8	4.0	3.70	6.60	8.80
03	6.00	3.6	2.1	0.7	0.2	0.0	7.7	4.9	2.8	1.0	2.70	5.50	8.30
04	4.00	2.0	1.3	0.6	0.4	0.0	1.6	0.9	0.5	0.0	0.50	2.00	6.00
05	0.30	0.1	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	1.20	0.5	0.4	0.2	0.1	0.0	0.3	0.2	0.0	0.0	0.00	0.00	1.60
11	5.40	2.6	1.5	0.8	0.3	0.0	4.2	2.9	1.7	0.4	0.50	4.80	9.60
12	7.80	5.0	2.8	1.0	0.3	0.0	16.7	10.6	6.7	0.8	3.40	7.90	10.30
Summary	39.2	24.1	13.3	5.0	1.9	0.0	65.4	42.9	28.8	8.2	14.3	33.8	53.2

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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	1.9	13.7	98.7	294.0	632.8	920.8	1067.7	987.2	736.4	361.2	75.0	4.3
45	0.1	4.7	49.8	185.4	481.1	770.8	912.7	832.2	587.5	238.8	35.5	1.2
50	0.0	1.2	22.5	103.7	339.3	620.8	757.7	677.2	441.7	140.0	14.0	0.1
55	0.0	0.3	8.6	50.1	217.2	472.0	602.8	522.5	305.0	70.8	4.6	0.0
60	0.0	0.0	2.5	19.5	121.2	328.5	448.1	369.4	187.7	30.1	0.8	0.0
Growing Degree Units for Corn (Monthly)												
50/86	3.7	13.0	75.9	192.3	386.3	603.1	721.6	661.1	469.2	225.2	53.8	4.7

Growing Degree Units (Accumulated Monthly)												
40	2	16	114	408	1041	1962	3030	4017	4753	5114	5189	5194
45	0	5	55	240	721	1492	2405	3237	3824	4063	4099	4100
50	0	1	24	127	467	1088	1845	2522	2964	3104	3118	3118
55	0	0	9	59	276	748	1351	1874	2178	2249	2254	2254
60	0	0	2	22	143	472	920	1289	1477	1507	1508	1508
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	4	17	93	285	671	1274	1996	2657	3126	3351	3405	3410

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