

Summary of Monthly Normals
1991-2020

Generated on 04/26/2024

Current Location: Elev: 2268 ft. Lat: 46.9161° N Lon: 103.5264° W

Station: MEDORA, ND US USC00325813

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	27.6	3.4	15.5	5.6	5.7	5.4	0.0	0.0	0.0	0.0	0.0	0.0	1224.3	1286.3	1379.3	1534.4	0.0	0.0	1.8	15.7	30.5	11.7
02	31.9	7.7	19.8	8.5	8.6	8.4	0.0	0.0	0.0	0.0	0.0	0.0	985.5	1041.5	1125.5	1265.5	0.0	0.0	4.5	12.3	27.3	8.4
03	43.7	18.4	31.1	7.2	5.1	6.0	0.9	0.3	0.0	0.0	0.0	0.0	743.5	804.8	897.5	1052.5	0.0	0.0	13.5	6.3	28.3	3.2
04	55.5	29.5	42.5	4.1	2.9	3.2	13.2	8.2	3.7	0.5	0.0	0.0	388.2	443.2	528.7	675.5	0.0	0.1	22.4	1.3	18.1	0.1
05	66.7	40.5	53.6	4.0	2.1	2.7	89.0	63.1	34.7	9.6	1.3	0.3	132.4	168.5	233.2	363.0	0.0	0.5	29.2	0.0	5.5	0.0
06	76.7	50.1	63.4	3.5	2.2	2.5	266.2	214.7	145.9	61.6	19.3	10.7	14.3	22.8	44.0	109.7	0.3	3.1	29.9	0.0	0.4	0.0
07	85.6	55.9	70.8	5.0	2.5	3.5	488.6	427.2	337.1	200.0	95.4	64.9	0.6	1.2	4.0	21.9	1.9	12.8	31.0	0.0	0.0	0.0
08	85.2	53.2	69.2	3.8	2.7	2.9	443.8	384.5	299.6	173.0	78.8	52.3	3.8	6.5	14.6	42.9	1.7	12.8	31.0	0.0	0.0	0.0
09	74.4	42.8	58.6	3.9	3.1	3.1	176.6	139.0	91.7	38.0	12.0	6.9	68.7	91.1	133.9	230.1	0.1	4.5	29.2	0.0	2.7	0.0
10	57.5	30.1	43.8	4.8	3.3	3.6	22.6	14.5	6.8	1.5	0.2	0.1	369.8	423.6	509.0	658.7	0.0	0.3	23.0	1.2	17.9	0.2
11	42.4	18.1	30.2	6.8	4.2	5.1	0.7	0.3	0.0	0.0	0.0	0.0	743.1	802.8	892.5	1042.5	0.0	0.0	10.2	6.5	27.8	2.0
12	30.9	7.3	19.1	6.6	5.7	6.0	0.0	0.0	0.0	0.0	0.0	0.0	1112.7	1174.7	1267.7	1422.7	0.0	0.0	2.8	13.2	30.5	8.1
Summary	56.5	29.8	43.1	5.3	4.0	4.4	1502	1252	920	484	207	135	5787	6267	7030	8419	4.0	34.1	228.5	56.5	189.0	33.7

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	0.32	5.9	1.4	0.1	0.0	0.17	0.25	0.40	
02	0.44	5.3	1.5	0.1	0.0	0.29	0.41	0.55	
03	0.63	5.8	1.8	0.2	0.1	0.25	0.50	0.81	
04	1.59	7.0	3.9	0.6	0.2	0.69	1.07	2.55	
05	2.60	10.1	5.1	1.4	0.4	1.53	2.56	3.07	
06	2.92	11.2	6.4	1.7	0.5	1.49	2.73	3.72	
07	2.10	9.4	5.4	1.3	0.5	0.96	1.69	2.51	
08	1.41	6.5	3.1	0.7	0.3	0.76	1.46	1.84	
09	1.42	6.6	3.5	1.1	0.3	0.67	1.19	1.93	
10	1.18	7.1	2.8	0.4	0.1	0.56	0.96	1.56	
11	0.62	5.3	1.7	0.2	0.1	0.08	0.38	0.82	
12	0.56	5.7	1.7	0.1	0.0	0.22	0.35	0.85	
Summary	15.79	85.9	38.3	7.9	2.5	7.67	13.55	20.61	

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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	4.40	4.6	2.0	0.4	0.1	0.0					1.90	3.80	5.40
02	7.20	4.8	2.5	0.7	0.2	0.0					3.20	6.50	8.40
03	3.80	2.8	1.7	0.5	0.1	0.0					1.10	2.80	4.70
04	3.40	1.3	0.9	0.5	0.3	0.0					0.00	1.80	6.00
05	0.40	0.2	0.1	0.1	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	0.10	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
10	1.80	1.0	0.7	0.2	0.0	0.0					0.00	0.80	3.00
11	3.00	2.6	1.7	0.6	0.1	0.0					0.00	1.00	6.10
12	6.00	4.9	2.4	0.5	0.1	0.0					3.40	5.00	8.00
Summary	30.1	22.2	12.0	3.5	0.9	0.0	0.0	0.0	0.0	0.0	9.6	21.7	41.6

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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	2.0	8.4	46.5	161.3	430.3	701.9	952.9	904.9	560.6	200.1	29.9	1.7
45	0.4	2.2	17.2	83.3	292.2	552.3	798.0	750.1	418.7	113.4	10.5	0.1
50	0.0	0.3	5.2	37.4	175.5	405.2	643.0	595.8	287.7	55.3	2.6	0.0
55	0.0	0.0	0.9	13.2	89.0	266.2	488.6	443.8	176.6	22.6	0.7	0.0
60	0.0	0.0	0.0	3.7	34.7	145.9	337.1	299.6	91.7	6.8	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	2.7	11.0	54.1	128.5	272.0	435.4	604.1	572.6	368.8	159.0	36.6	4.1

Growing Degree Units (Accumulated Monthly)												
40	2	10	57	218	648	1350	2303	3208	3769	3969	3999	4000
45	0	3	20	103	395	948	1746	2496	2914	3028	3038	3038
50	0	0	6	43	218	624	1267	1862	2150	2205	2208	2208
55	0	0	1	14	103	369	858	1302	1478	1501	1502	1502
60	0	0	0	4	38	184	521	821	913	920	920	920
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	3	14	68	196	468	904	1508	2080	2449	2608	2645	2649

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