

Summary of Monthly Normals
1991-2020

Generated on 05/11/2024

Current Location: Elev: 1665 ft. Lat: 48.2553° N Lon: 101.2733° W
Station: MINOT INTL AP, ND US USW00024013

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	23.3	4.4	13.8	6.6	6.8	6.6	0.0	0.0	0.0	0.0	0.0	0.0	1275.5	1337.5	1430.5	1585.5	0.0	0.0	0.2	22.4	30.4	13.9
02	27.0	7.7	17.3	8.1	7.9	7.9	0.0	0.0	0.0	0.0	0.0	0.0	1054.1	1110.1	1194.0	1334.0	0.0	0.0	0.7	18.7	27.4	10.3
03	39.5	19.0	29.2	7.4	6.0	6.6	1.1	0.6	0.2	0.0	0.0	0.0	799.4	860.9	953.4	1108.3	0.0	0.0	6.6	10.7	27.5	3.6
04	55.8	31.2	43.5	5.7	3.8	4.6	17.9	11.1	5.0	0.9	0.2	0.1	363.0	416.2	500.0	646.0	0.0	0.0	18.7	2.1	16.7	0.1
05	68.9	43.3	56.1	3.5	2.7	2.8	130.7	98.4	60.4	20.8	5.8	3.3	96.7	126.4	181.4	296.8	0.0	0.4	29.1	0.0	3.8	0.0
06	77.5	53.6	65.6	2.8	2.3	2.4	322.8	268.3	192.5	90.2	30.4	17.5	6.4	11.9	26.0	73.8	0.0	1.2	29.9	0.0	0.0	0.0
07	83.8	58.5	71.2	3.7	2.5	2.9	500.8	439.1	347.8	206.2	93.6	61.6	0.2	0.6	2.3	15.6	0.2	4.8	31.0	0.0	0.0	0.0
08	83.7	56.4	70.1	3.3	2.4	2.7	467.9	407.4	318.8	184.8	85.5	57.7	1.5	3.0	7.4	28.4	0.3	5.5	31.0	0.0	0.0	0.0
09	73.1	47.1	60.1	3.6	2.6	2.8	200.0	159.5	107.8	46.9	15.0	8.3	47.0	66.6	104.9	194.0	0.0	1.3	29.3	0.0	1.0	0.0
10	56.8	34.3	45.6	4.8	2.9	3.6	29.8	19.9	10.4	2.2	0.3	0.1	322.8	374.9	458.4	605.2	0.0	0.1	20.1	1.3	13.1	0.0
11	39.7	20.6	30.2	6.9	5.2	5.9	1.5	0.8	0.2	0.0	0.0	0.0	746.9	806.2	895.6	1045.4	0.0	0.0	6.0	11.0	26.5	1.6
12	27.2	9.3	18.3	7.3	7.0	7.1	0.0	0.0	0.0	0.0	0.0	0.0	1139.1	1201.1	1294.0	1449.0	0.0	0.0	0.9	20.3	30.4	8.9
Summary	54.7	32.1	43.4	5.3	4.3	4.7	1672	1405	1043	552	231	149	5853	6315	7048	8382	0.5	13.3	203.5	86.5	176.8	38.4

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	0.28	5.5	0.9	0.0	0.0	0.16	0.24	0.35	
02	0.29	4.2	0.7	0.1	0.0	0.09	0.18	0.38	
03	0.51	5.3	1.1	0.2	0.0	0.18	0.38	0.73	
04	1.00	7.3	2.8	0.3	0.0	0.47	0.96	1.36	
05	2.73	10.2	6.0	1.5	0.6	1.15	1.99	3.44	
06	3.73	12.1	7.5	2.0	0.7	2.79	3.71	4.38	
07	2.50	9.8	5.2	1.5	0.6	1.66	2.09	3.11	
08	2.08	8.1	4.7	1.4	0.3	1.30	2.13	2.64	
09	1.57	7.0	3.1	0.9	0.3	0.61	1.27	1.89	
10	1.15	6.9	2.5	0.6	0.2	0.39	0.92	1.55	
11	0.56	5.2	1.6	0.2	0.0	0.14	0.31	0.93	
12	0.31	5.6	0.8	0.0	0.0	0.13	0.28	0.43	
Summary	16.71	87.2	36.9	8.7	2.7	9.07	14.46	21.19	

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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	9.80	8.1	2.8	0.8	0.4	0.1	27.9	23.2	19.7	12.3	3.90	7.80	14.50
02	5.40	5.6	2.5	0.6	0.4	0.0	23.8	17.7	13.3	7.6	3.20	5.60	7.50
03	6.10	3.7	1.5	0.7	0.3	0.0	15.5	10.6	8.9	5.9	1.40	6.00	11.40
04	4.50	2.3	1.2	0.5	0.2	0.1	5.3	4.0	2.5	1.0	0.70	4.20	6.30
05	0.70	0.3	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.00	0.00	0.20
06	0.00	0.1	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	0.10	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	1.20	1.1	0.9	0.3	0.1	0.1	1.6	0.8	0.4	0.2	0.00	0.60	1.80
11	9.20	6.2	2.8	1.1	0.3	0.0	14.7	8.8	5.8	1.8	2.50	7.20	14.90
12	8.10	7.8	3.0	0.9	0.3	0.1	24.4	16.7	11.3	4.8	4.80	5.50	9.40
Summary	45.1	35.4	14.9	5.0	2.1	0.4	113.3	81.9	61.9	33.6	16.5	36.9	66.0

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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	1.9	3.7	38.8	188.6	503.4	766.4	965.4	931.3	603.8	232.5	38.3	3.5
45	0.2	1.0	14.7	104.2	360.1	616.5	810.4	776.3	457.4	136.6	15.7	0.7
50	0.1	0.2	4.7	48.2	231.9	467.5	655.6	621.6	319.9	69.7	5.5	0.1
55	0.0	0.0	1.1	17.9	130.7	322.8	500.8	467.9	200.0	29.8	1.5	0.0
60	0.0	0.0	0.2	5.0	60.4	192.5	347.8	318.8	107.8	10.4	0.2	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.6	2.5	31.6	133.7	308.3	473.7	626.9	592.2	364.1	147.6	28.4	2.1

Growing Degree Units (Accumulated Monthly)												
40	2	6	44	233	736	1503	2468	3400	4003	4236	4274	4278
45	0	1	16	120	480	1097	1907	2683	3141	3277	3293	3294
50	0	0	5	53	285	753	1408	2030	2350	2419	2425	2425
55	0	0	1	19	150	472	973	1441	1641	1671	1672	1672
60	0	0	0	5	66	258	606	925	1032	1043	1043	1043
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	1	3	35	168	477	950	1577	2170	2534	2681	2710	2712

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

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