

Summary of Monthly Normals
1991-2020

Generated on 04/25/2024

Current Location: Elev: 2014 ft. Lat: 46.0406° N Lon: 99.3742° W

Station: **ASHLEY, ND US USC00320382**

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	20.0	1.3	10.6	5.4	5.8	5.4	0.0	0.0	0.0	0.0	0.0	0.0	1374.6	1436.6	1529.7	1684.7	0.0	0.0	0.1	23.5	31.0	14.4
02	24.4	5.4	14.9	7.8	8.1	7.9	0.0	0.0	0.0	0.0	0.0	0.0	1122.7	1178.7	1262.7	1402.7	0.0	0.0	0.9	18.4	27.7	10.5
03	36.7	17.0	26.9	7.2	5.9	6.4	0.8	0.4	0.1	0.0	0.0	0.0	873.5	935.1	1027.8	1182.7	0.0	0.0	6.7	11.0	28.6	4.3
04	52.0	29.2	40.6	5.4	3.7	4.4	10.8	6.6	2.4	0.2	0.1	0.0	442.8	498.7	584.5	732.3	0.0	0.0	18.3	2.5	18.4	0.1
05	65.0	42.3	53.6	3.9	3.0	3.2	97.6	71.0	40.3	12.9	2.6	1.0	139.5	174.9	237.2	364.8	0.0	0.3	28.2	0.0	4.1	0.0
06	74.6	53.3	64.0	3.4	2.8	2.9	281.4	229.3	159.0	69.8	21.0	11.5	13.0	20.9	40.5	101.4	0.1	1.0	30.0	0.0	0.0	0.0
07	81.0	58.3	69.6	4.3	2.9	3.4	455.1	394.2	305.6	171.5	72.2	45.8	1.1	2.2	6.6	27.5	0.5	5.1	31.0	0.0	0.0	0.0
08	79.7	55.9	67.8	3.0	2.5	2.5	399.9	340.8	255.5	132.8	50.1	29.8	3.3	6.1	13.8	46.1	0.2	4.4	31.0	0.0	0.0	0.0
09	70.6	46.0	58.3	3.2	2.9	2.7	167.1	130.7	85.8	35.5	10.7	6.0	68.3	91.8	136.9	236.6	0.0	1.0	29.3	0.0	1.5	0.0
10	54.7	32.2	43.4	5.2	3.4	4.0	21.7	14.0	6.6	1.3	0.1	0.0	379.7	434.0	519.6	669.4	0.0	0.1	20.9	1.2	15.4	0.1
11	38.5	19.0	28.8	7.2	4.8	5.8	0.1	0.0	0.0	0.0	0.0	0.0	787.6	847.5	937.5	1087.5	0.0	0.0	7.4	9.5	27.4	1.6
12	25.3	8.2	16.7	6.2	5.4	5.7	0.0	0.0	0.0	0.0	0.0	0.0	1185.6	1247.6	1340.6	1495.6	0.0	0.0	0.8	20.7	30.9	8.3
Summary	51.9	30.7	41.3	5.2	4.3	4.5	1434	1187	855	424	157	94	6392	6874	7637	9031	0.8	11.9	204.6	86.8	185.0	39.3

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	0.41	6.5	1.6	0.0	0.0	0.18	0.37	0.59	
02	0.51	6.8	1.7	0.1	0.0	0.25	0.42	0.65	
03	0.90	7.5	2.5	0.4	0.0	0.33	0.73	1.39	
04	1.49	8.9	4.1	0.7	0.1	0.93	1.44	1.78	
05	3.18	12.0	6.5	1.9	0.6	1.63	3.10	4.23	
06	3.61	12.6	7.4	2.3	0.8	1.97	3.23	4.61	
07	3.29	10.9	6.0	2.0	0.7	2.19	3.05	4.29	
08	2.58	9.2	4.8	1.6	0.7	1.57	2.50	3.23	
09	2.00	8.1	4.1	1.3	0.4	0.89	1.64	2.83	
10	1.76	8.6	3.9	0.9	0.3	0.70	0.97	2.45	
11	0.50	6.1	1.6	0.1	0.0	0.19	0.43	0.75	
12	0.51	6.3	1.4	0.2	0.0	0.16	0.38	0.56	
Summary	20.74	103.5	45.6	11.5	3.6	10.99	18.26	27.36	

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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	7.90	5.6	2.6	0.8	0.3	0.0	25.4	21.3	16.2	13.2	4.20	8.10	9.20
02	6.00	5.6	2.6	0.7	0.2	0.0	23.8	18.9	15.2	11.3	3.10	5.20	9.30
03	7.50	5.1	2.4	0.8	0.3	0.0	19.1	14.7	13.1	9.1	2.40	4.50	11.40
04	4.60	2.1	1.4	0.4	0.2	0.1	5.5	3.8	3.0	1.2	0.20	2.30	7.30
05	0.00	0.2	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	2.30	1.2	0.8	0.3	0.1	0.0	1.3	0.8	0.5	0.1	0.00	0.00	3.70
11	4.90	3.6	2.0	0.6	0.3	0.0	9.2	5.7	3.5	1.5	0.00	2.80	9.70
12	9.20	5.3	2.4	0.7	0.3	0.2	20.4	15.7	9.2	5.1	3.20	5.00	12.30
Summary	42.4	28.7	14.2	4.3	1.7	0.3	104.7	80.9	60.7	41.5	13.1	27.9	62.9

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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	0.1	1.9	24.7	139.6	433.4	718.4	919.0	861.6	551.4	194.6	28.2	0.5
45	0.0	0.3	9.2	72.8	300.1	568.7	763.9	706.6	409.0	110.7	9.2	0.0
50	0.0	0.0	2.9	31.0	185.1	421.0	609.0	552.0	277.3	53.9	1.9	0.0
55	0.0	0.0	0.8	10.8	97.6	281.4	455.1	399.9	167.1	21.7	0.1	0.0
60	0.0	0.0	0.1	2.4	40.3	159.0	305.6	255.5	85.8	6.6	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.2	1.8	22.9	97.9	251.6	435.6	593.9	547.1	331.1	126.0	26.7	0.8

Growing Degree Units (Accumulated Monthly)												
40	0	2	27	166	600	1318	2237	3099	3650	3845	3873	3873
45	0	0	10	82	382	951	1715	2422	2831	2941	2950	2950
50	0	0	3	34	219	640	1249	1801	2078	2132	2134	2134
55	0	0	1	12	109	391	846	1246	1413	1434	1434	1434
60	0	0	0	2	43	202	507	763	849	855	855	855
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	2	25	123	374	810	1404	1951	2282	2408	2435	2436

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

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