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CLIMATOLOGICAL SUMMARY

CLIMATOGRAPHY OF THE U. S. NO. 20 - 32

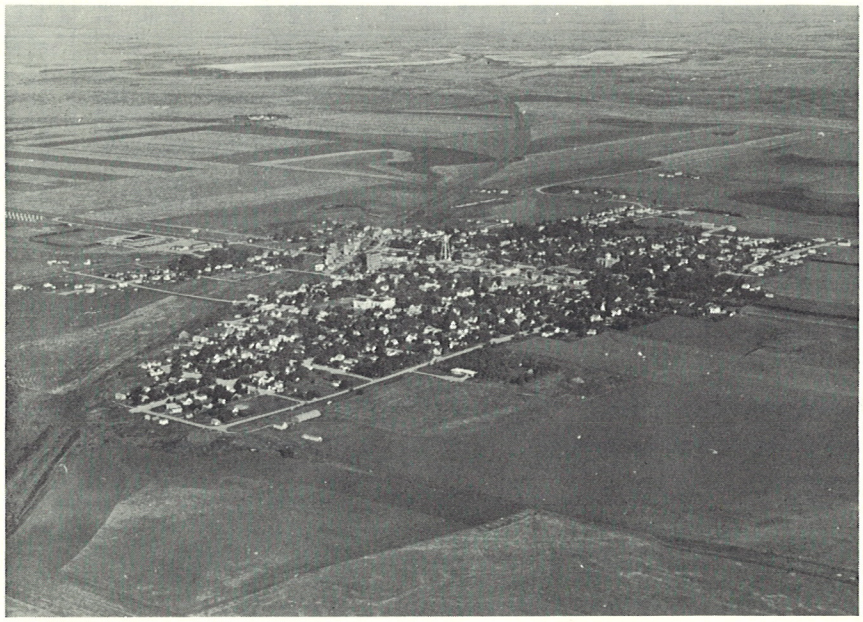
Ashley, North Dakota

Latitude 46° 02' N

Longitude 99° 22' W

Elevation 2001 Feet

Data Compiled From Official U. S. Weather Bureau Records



ASHLEY, NORTH DAKOTA

Prepared by

Weather Bureau
State Climatologist
For North Dakota

In Cooperation With

McIntosh County Bank

Ashley, North Dakota

CLIMATE OF ASHLEY, NORTH DAKOTA

Ashley, the county seat of McIntosh County, is located in extreme south-central North Dakota, just a few miles from the South Dakota border. To the west and south lies generally level to gently rolling farm and grassland. To the northeast lies more hilly land. The principal cash crops of the area are wheat and flax supplemented by oats and barley. There is an extensive cattle raising industry.

The data in this summary should be quite representative of the entire county though there are minor variations due to differences in local topography.

The climate is continental in character. This is enhanced by the presence of the Rocky Mountains far to the west which effectively limits the modifying influence of maritime air masses from the Pacific Ocean. There are no obstacles to air movement from the north or from the south. Consequently, summers tend to be quite warm with occasional hot spells but with very few humid days. Winters are usually quite cold. Outbreaks of cold arctic air can be expected several times every winter. However, there are compensating periods of mild weather which are very pleasant.

During the warmer part of the year, temperatures of 90 degrees or higher may be expected on about 19 days on the average. This has varied from 58 days in 1936 to none in 1915. Temperatures of 90 degrees or higher have occurred as early as May 1 and as late as October 13. The highest temperature ever recorded was 114 degrees on July 6, 1936. The coldest ever recorded was 48 degrees below zero on February 8, 1895. During the colder part of the year there are normally 48 days with the minimum temperatures zero or below. This has varied from 75 days in the season of 1916-1917 to only 11 days in the season of 1930-1931. The earliest in the fall that a zero degree or colder temperature has occurred is October 26, and the latest in the spring is April 7. During the three coldest months, December, January, and February, there are normally 26 days in which maximum temperatures climb above 32 degrees. In the winter of 1925-1926, there were 63 days in which the maximum temperature rose above 32 degrees during those 3 months, but in 1935-1936 there were only 6 days.

The average annual precipitation is 18.02 inches. Nearly 50 per cent of this total falls in the months May, June, and July and about 80 per cent falls during the crop season April through September. Total annual precipitation has ranged from 30.42 inches in 1921 to 6.60 inches in 1936. June is usually the wettest month of the year. The greatest amount recorded in any single months was 10.84 inches in June 1925. Summertime precipitation is usually in the form of thunderstorms which can be expected on about 30 days each year. An inch or more of rain can be expected on about 3 days each year. The likelihood of receiving 1.00 inch or more in any given 7-day period is greatest about the second week in June when the chance is about once in 3 years. The probability of any given 7-day period being dry, trace or less, is greatest, apparently, in mid November when the chance is about 3 years in 5. Rainfall intensities of about 1.20 inches in one hour, 1.70 inches in 6 hours, and 2.10 inches in 24 hours can be expected about once in 2 years. About 32 inches of snow falls on the average each year. Seasonal snowfall has ranged from over 62 inches in 1936-1937 and 1942-1943 to as little as 11 inches in 1956-1957. Measureable snowfall can be expected about once in 3 years in October, 3 years in 5 in April, and about once in 5 years in May. The ground is usually covered with snow from early December to around the middle of March.

Wind, sunshine, and humidity data are not available for the Ashley area but the data for Bismarck should be a close approximation. Prevailing winds are northwesterly most of the year but southeasterly during the summer months. Total sunshine averages about 60 per cent of the possible amount ranging from about 75 per cent in July and August to less than 50 per cent in November and December. About 200 days each year would be classified as clear or partly cloudy. Relative humidity averages around 80 per cent the year around during early morning hours. In summer, the relative humidity will fall to less than 50 per cent during most afternoons, while in winter it will fall to around 70 per cent during the afternoon.

Alfred A. Skrede
State Climatologist
U. S. Weather Bureau
Bismarck, North Dakota

LATITUDE
LONGITUDE
ELEV. (GROUND)

Month	Temperature (°F) Means: Daily maximum	Daily minimum	Monthly	Extremes: Record highest	Year	Record lowest	Year	** Mean degree days	Precipitation Totals (Inches): Mean	Greatest daily	Year	Snow, Sleet: Mean	Maximum monthly	Year	Greatest daily	Year	Mean number of days: Precip. .10 inch or more	Temperatures: Max. 90° and above	Max. 32° and below	Min. 32° and below	Min. 0° and below	Month
(a)	52	52	52	66		66		30	52	66		51	66		66		52	52	52	52	52	
J	19.7	-2.0	8.9	58	1912	-44	1916	1733	0.45	0.60	1912	6.5	21.8	1929	10.7	1943	2	0	24	31	17	J
F	23.7	2.5	13.1	65	1958	-48	1895	1481	0.48	0.91	1958	5.5	23.0	1922	13.0	1951	2	0	20	28	13	F
M	37.1	15.3	26.2	82	1946+	-36	1897	1249	0.71	1.75	1902	6.5	26.7	1896	10.0	1893	2	0	11	30	5	M
A	54.8	29.6	42.2	89	1962+	-6	1899	696	1.41	2.44	1902	2.7	12.0	1919	8.0	1919	4	0	1	19	*	A
M	67.3	40.5	53.9	107	1934	13	1946	372	2.35	3.29	1958	0.6	14.0	1905	10.0	1905	5	1	0	6	0	M
J	75.6	50.5	63.1	105	1936	22	1901	138	3.65	3.59	1895	0.0	00.0		00.0		7	2	0	*	0	J
J	83.5	56.0	69.8	114	1936	29	1903	43	2.85	2.86	1947	0.0	00.0		00.0		6	7	0	0	0	J
A	82.4	53.5	68.0	110	1900	26	1902	47	2.55	3.92	1926	0.0	00.0		00.0		5	7	0	*	0	A
S	71.6	43.5	57.6	104	1931	12	1893	237	1.55	2.00	1928	0.1	4.5	1942	4.5	1942	4	2	0	4	*	S
O	59.2	32.3	45.8	94	1958	-12	1919	586	1.08	2.71	1949	1.2	13.0	1919	7.0	1929	3	*	1	15	*	O
N	40.3	18.3	29.3	79	1897	-23	1940	1104	0.52	1.28	1944	4.2	18.5	1931	10.0	1922	1	0	8	28	2	N
D	25.8	5.3	15.6	64	1939	-40	1917	1513	0.42	1.00	1926	5.1	19.0	1916	7.0	1916	2	0	19	31	11	D
Year	53.4	28.8	41.1	114	July 1936	-48	Feb. 1895	9199	18.02	3.92	Aug. 1926	32.4	26.7	Mar. 1896	13.0	Feb. 1951	43	19	84	192	48	Year

(a) Average length of record, years.

T Trace, an amount too small to measure.

** Base 65°F

+ Also on earlier dates, months, or years.

* Less than one half.

MONTHLY AND SEASONAL SNOWFALL

	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Total
1912 - 1913	T	0	0	5.0	1.0	1.0	6.0	11.0	0	24.0
1913 - 1914	0	T	2.0	0	3.0	T	12.0	1.0	0	18.0
1914 - 1915	0	0	1.0	10.0	10.0	13.0	10.0	0	0	44.0
1915 - 1916	0	0	1.0	4.0	16.0	1.0	8.0	2.0	3.0	35.0
1916 - 1917	0	T	2.0	19.0	12.0	5.0	15.0	4.0	0	57.0
1917 - 1918	0	3.0	2.0	16.0	9.0	4.0	9.0	1.0	0	44.0
1918 - 1919	0	0	11.0	9.0	2.0	14.0	4.0	12.0	0	52.0
1919 - 1920	0	13.0	10.0	4.0	6.0	2.0	5.0	8.0	0	48.0
1920 - 1921	0	0	T	2.0	4.0	2.0	10.0	3.0	0	21.0
1921 - 1922	0	0	10.0	7.5	4.0	23.0	6.0	2.0	0	52.5
1922 - 1923	0	3.0	18.0	1.0	10.5	8.0	7.0	3.0	T	50.5
1923 - 1924	0	T	0	7.0	1.0	4.0	5.0	2.0	T	19.0
1924 - 1925	0	0	T	7.0	4.0	T	2.0	0	0	13.0
1925 - 1926	0	2.5	3.5	4.0	1.0	5.0	T	1.5	0	17.5
1926 - 1927	T	T	3.0	9.0	8.0	1.8	4.0	0	0	25.8
1927 - 1928	0	0	6.5	13.8	1.5	2.0	2.0	4.0	0	29.8
1928 - 1929	0	0	2.0	3.0	21.8	6.0	7.2	6.5	0	46.5
1929 - 1930	0	10.0	5.0	8.0	7.0	13.0	2.0	0	0	45.0
1930 - 1931	0	0	10.5	4.5	0.2	6.5	13.0	5.0	0	39.7
1931 - 1932	0	0.8	18.5	6.0	13.2	2.9	11.0	0	1.0	53.4
1932 - 1933	0	6.0	7.2	4.0	6.0	2.0	13.0	7.0	0	45.2
1933 - 1934	0	1.0	8.5	3.0	1.0	T	6.5	T	0	20.0
1934 - 1935	1.5	0	0.8	1.8	T	6.5	5.0	10.0	4.0	29.6
1935 - 1936	0	2.0	7.0	5.5	7.0	9.5	9.5	1.0	0	41.5
1936 - 1937	0	0	11.5	10.0	21.0	4.0	10.0	6.0	0	62.5
1937 - 1938	0	0	6.0	14.5	7.9	5.3	3.0	0	0	36.7

	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Total
1938 - 1939	0	0	5.5	4.0	5.0	10.0	4.5	T	0	29.0
1939 - 1940	0	1.0	0	4.6	1.0	4.0	13.0	2.4	0	26.0
1940 - 1941	0	0	3.1	2.5	6.4	0.6	4.2	T	T	16.8
1941 - 1942	T	0.3	1.7	1.6	0.2	1.5	19.2	0.3	T	24.8
1942 - 1943	4.5	3.8	0.8	5.6	19.5	10.6	14.8	0	2.6	62.2
1943 - 1944	0	8.0	6.3	T	2.1	4.0	7.6	1.2	T	29.2
1944 - 1945	0	0	8.5	2.5	5.1	5.4	1.3	1.3	T	24.1
1945 - 1946	T	0	T	4.2	1.9	12.0	1.3	7.7	T	27.1
1946 - 1947	T	0.5	1.2	2.6	2.9	1.1	2.8	8.5	0	19.6
1947 - 1948	0	0	10.1	3.5	3.7	11.0	6.5	0.5	0	35.3
1948 - 1949	0	0	2.0	1.5	10.7	3.0	2.7	T	0	19.9
1949 - 1950	0	T	T	4.5	20.5	5.0		7.7	12.0	
1950 - 1951	0	1.5	3.0	1.9	14.0	16.3	4.5	1.0	0	42.2
1951 - 1952	0	1.8	T	10.5	9.5	8.5	4.5	0	0	34.8
1952 - 1953	0	0	3.5	0.2	5.0	2.1	3.5	T	1.0	15.3
1953 - 1954	0	0	1.0	1.8	7.5	T	5.2	0	T	15.5
1954 - 1955	0	T	0.5	1.5	3.0	9.5		0	0	
1955 - 1956	0	0	2.5	2.0	5.7	3.0	11.0	2.0	3.0	29.2
1956 - 1957	0	0	2.5	2.0	1.0	5.0	T	0.5	0	11.0
1957 - 1958	0	0	T	6.5	7.0	1.5	2.5	1.0	0.5	19.0
1958 - 1959	0	T	2.5	2.0	4.5	5.7	1.0	2.0	0	17.7
1959 - 1960	0	1.5	8.0	1.0	5.0	4.0	7.0	4.0	1.0	31.5
1960 - 1961	0		2.0	10.5	T	6.5	2.0	3.5	0	
1961 - 1962	T	0	2.0	4.5	8.0	3.5	8.5	T	0	26.5
1962 - 1963	0	0	1.0	2.0	2.0	4.5	5.5	2.0	0	17.0

Average Temperature

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1912	-1.2	17.0	17.6	46.2	55.2	62.0	68.6	65.0	52.8	46.4	35.1	20.9	40.4
1913	8.6	12.6	21.4	45.4	51.9	63.2	62.4	67.8	56.4	37.0	32.4	21.4	40.0
1914	12.4	4.6	29.3	45.2	55.7	63.2	73.2	65.4	60.7	51.4	34.8	7.4	41.9
1915	7.0	17.9	21.8	50.0	49.5	56.6	63.8	63.0	56.0	48.0	31.6	18.8	40.3
1916	-2.6	10.0	25.4	40.5	52.0	57.8	73.5	66.4	55.4	41.9	30.7	5.0	38.0
1917	5.4	2.0	22.3	38.4	51.4	60.6	71.0	66.4	58.2	35.9	38.7	4.2	37.9
1918	0.4	13.2	35.4	40.4	53.4	64.1	66.9	67.6	54.4	47.2	29.7	20.0	41.1
1919	21.8	11.2	20.0	43.5	54.4	65.6	70.6	67.4	59.8	35.6	20.3	14.0	40.4
1920	6.2	17.2	26.5	32.5	53.6	62.1	68.0	66.8	59.6	50.6	29.0	18.0	40.8
1921	20.6	24.0	27.2	44.0	54.0	69.6	71.0	67.8	58.0	48.1	20.9	17.0	43.5
1922	8.1	2.6	27.2	43.6	56.0	63.6	66.4	70.6	57.1	43.5	32.0	10.6	40.1
1923	14.0	7.0	22.2	40.5	54.8	65.0	71.5	63.4	59.8	45.2	37.8	23.8	42.1
1924	3.7	22.0	25.1	40.8	46.6	58.1	62.6	63.2	53.6	51.0	30.1	6.4	38.6
1925	9.8	19.0	34.4	49.2	54.2	62.2	68.0	69.6	61.5	34.5	30.0	17.8	43.4
1926	18.4	24.5	27.5	43.4	60.2	62.3	70.7	68.5	55.4	44.6	22.6	11.4	45.0
1927	13.5	17.0	31.8	42.2	49.0	60.4	64.3	65.3	55.3	47.4	24.1	-0.6	39.1
1928	15.4	20.9	32.0	37.2	58.8	59.2	69.0	66.4	55.4	45.3	32.9	23.5	43.0
1929	-1.4	3.6	32.1	43.6	50.8	62.4	72.2	69.4	53.4	47.3	25.8	13.9	39.4
1930	1.3	25.4	28.0	47.6	51.8	63.6	73.8	70.7	56.8	42.3	32.4	20.0	42.8
1931	21.8	30.0	27.2	44.4	52.6	69.0	72.2	67.4	63.6	48.4	31.2	19.4	45.6
1932	9.5	14.0	20.0	45.6	56.5	66.6	70.2	68.6	57.5	40.8	28.9	13.2	41.0
1933	16.2	11.0	30.4	41.8	53.6	72.8	72.2	68.6	64.3	43.1	30.3	13.1	43.1
1934	20.2	22.0	27.2	44.7	67.4	67.4	74.0	69.2	54.5	50.8	35.3	15.8	45.7
1935	8.9	26.7	30.4	38.4	49.2	61.4	74.6	67.8	59.2	43.0	19.9	14.6	41.2
1936	-4.0	-9.8	28.8	37.8	61.5	68.8	82.0	72.1	62.6	44.2	28.2	16.0	40.7
1937	-7.4	7.2	26.0	39.5	57.4	62.7	72.6	76.0	60.0	44.4	26.3	11.6	39.7
1938	9.6	8.9	33.0	45.4	52.4	64.5	69.8	71.4	61.2	49.8	22.8	18.6	42.3
1939	15.2	-1.0	25.9	41.1	60.8	60.8	71.7	68.0	58.6	41.4	35.1	24.3	41.8
1940	2.4	14.2	23.3	36.7	53.8	63.7	72.2	66.2	62.1	49.4	22.0	20.6	40.6
1941	9.4	9.7	23.8	44.4	57.8	62.3	70.0	68.9	56.6	44.0	30.2	21.8	41.6
1942	18.0	14.2	29.9	45.0	48.4	59.0	65.2	65.6	51.7	44.6	28.4	11.8	40.2
1943	-2.0	14.7	16.7	43.6	48.7	60.8	69.5	66.6	54.6	47.7	25.6	20.6	38.9
1944	21.2	8.4	14.8	38.8	58.2	61.0	66.7	66.0	55.2	47.8	28.2	14.5	40.0
1945	12.1	11.6	31.4	38.8	48.2	55.7	67.7	67.1	54.4	44.0	25.0	7.6	38.7
1946	10.5	9.8	36.4	47.2	49.2	63.2	69.1	63.4	55.5	39.8	26.8	15.5	40.5
1947	17.2	9.9	23.8	39.0	51.0	60.1	69.2	72.6	56.0	52.1		14.0	
1948	8.2	7.4			54.4	62.0	70.8	68.8	63.7	45.3	30.0	12.8	
1949	1.7	0.8	22.2	46.2	56.6	64.1	70.4	71.2	55.5	45.7	38.1	10.8	40.2
1950	-6.6	9.8		32.1	50.0	63.9	65.8	64.5	58.7	48.8	23.2	12.8	
1951	5.0	15.6	13.6	39.6	55.6	57.4	67.3	64.2	53.3	43.2	24.6	7.1	37.2
1952	5.0	17.9	17.6	46.1	55.0	67.5	69.9	67.5	62.7	43.6	30.3	18.9	41.8
1953	15.2	19.0	26.9	37.0	51.9	63.6	67.6	70.1	59.1	53.8	36.0	22.6	43.6
1954	3.1	33.8	25.3	42.2	50.4	62.3	71.7	67.6	57.6		36.8	23.4	
1955	14.4	7.9		50.4	59.1	62.0	72.5	71.1	57.9	48.0	16.8	7.8	
1956	8.5	7.8	23.3	35.7	53.7	68.7	66.4	66.6	55.7	50.9	29.8	20.6	40.7
1957	3.6	14.5	27.3	41.4	54.0	61.5	73.2	67.3	55.1	45.3	30.5	24.1	41.5
1958	18.8	10.2	28.0	43.0	57.9	57.9	65.3	70.0	59.6	48.2	29.5	13.7	41.9
1959	5.6	7.8	31.1	42.5	51.0	67.0	70.2	71.7	57.2	40.4	21.8	24.2	40.9
1960	10.4	9.6	15.0	41.8	54.1	60.5	71.0	68.6	61.7		30.2	13.5	
1961	12.7	17.3	34.0	38.0	50.5	66.9	68.0	72.3	53.6	47.7	29.8	9.8	41.7
1962	7.8	9.6	21.0	42.2	54.3	63.2	64.8	67.8	55.3	48.7	34.6	19.5	40.7
1963	4.0	16.5	35.0	42.5	53.5	66.4	69.9	68.5	60.1	55.7	33.7	17.0	43.6

Total Precipitation (Inches)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1912	.60	.20	.70	3.11	4.26	1.49	2.04	2.58	1.93	.33	.00	.50	17.74
1913	.10	.10	.60	2.00	1.91	3.86	3.87	1.74	.94	1.79	.20	.67	17.78
1914	.30	T	1.20	1.49	1.74	3.93	2.07	1.64	.46	1.07	.21	1.00	15.11
1915	1.00	1.30	1.00	1.72	3.08	5.13	2.41	3.18	2.52	3.63	.43	.40	25.80
1916	1.60	.10	1.68	1.28	4.35	4.19	6.03	4.61	.82	.31	.20	1.90	27.07
1917	1.20	.50	1.50	1.76	.41	1.55	1.98	.93	.80	.30	.20	1.60	12.73
1918	.90	.40	.90	2.18	2.35	1.76	2.10	2.08	.17	1.30	1.21	.90	16.25
1919	.20	1.40	.70	1.50	2.31	2.86	3.03	1.03	.09	2.11	1.00	.40	16.63
1920	.60	.20	.50	.94	2.54	6.56	3.21	.85	2.04	.15	.21	.20	18.00
1921	.40	.20	1.87	4.72	2.60	.91	5.37	6.64	4.34	1.57	1.00	.80	30.42
1922	.40	2.30	.90	.72	3.20	2.35	2.23	1.14	1.31	.93	3.87	.10	19.45
1923	.84	.64	.70	1.18	3.20	6.62	3.75	1.99	2.48	.76	.27	.60	23.43
1924	.10	.40	.59	2.37	.18	4.94	1.31	1.45	3.10	2.95	T	.56	17.95
1925	.40	T	.20	2.38	.99	10.84	1.12	.93	4.18	.46	.45	.40	22.35
1926	.10	.42	T	.34	3.65	1.10	2.02	6.41	3.63	.92	.24	1.25	20.08
1927	.85	.75	.62	2.03	3.94	2.26	3.49	3.40	1.24	1.31	.23	.74	20.86
1928	.24	.10	.30	1.56	.22	4.77	8.15	3.32	2.85	.96	1.35	.16	23.98
1929	.72	.26	.65	1.40	1.83	1.18	3.08	1.25	1.51	3.13	.26	.40	15.67
1930	.09	1.34	.05	1.42	2.69	2.57	1.99	3.89	.39	2.25	1.03	.08	17.79
1931	.12	.42	.64	.66	2.20	3.96	3.25	3.78	.79	1.49	1.26	.51	19.08
1932	.12	.15	.56	3.39	2.81	3.64	1.53	3.90	.90	1.25	.33	.12	18.70
1933	.46	.04	.68	1.04	1.81	3.44	3.23	1.20	.42	.07	.35	.07	12.81
1934	.02	T	.37	T	.06	3.09	1.21	.94	.98	1.90	.08	.06	8.71
1935	T	.28	.95	3.35	2.55	4.59	2.89	1.54	.36	.10	.53	.45	17.59
1936	.21	.72	.77	.81	.42	1.02	.27	.70	.45	.00	.91	.32	6.60
1937	.85	.11	1.20	1.34	1.54	2.64	2.62	1.63	.73	.11	.35	.72	13.84
1938	.63	.30	.96	.27	2.32	5.07	1.71	1.70	.91	.36	.42	.53	15.18
1939	.41	.49	.31	.69	2.94	6.20	1.93	4.33	.62	1.33	.00	.38	20.03
1940	.07	.68	1.63	2.67	1.25	3.06	2.00	2.47	.92	.93	.21	.15	16.04
1941	.64	.04	.25	2.16	1.77	5.74	1.31	1.06	3.54	1.32	.15	.12	18.10
1942	.02	.12	2.52	2.11	4.68	5.73	3.59	4.90	1.40	.97	.11	.38	26.53
1943	1.13	1.03	1.10	.31	1.47	3.95	4.01	5.63	.33	.88	.44	T	20.28
1944	.15	.08	.38	.70	1.83	3.53	1.60	3.02	.96	.19	2.44	.09	14.97
1945	.37	.76	.49	1.39	1.40	2.65	1.96	1.33	1.64	.01	T	.27	12.27
1946	.13	1.40	1.68	.7	1.68	3.27	2.96	2.89	4.17	2.46	.31	.20	22.12
1947	.21	.07	.23	1.55	.96	3.94	4.98	1.15	1.71	1.32	.83	.23	17.18
1948	.35	.88	.42	1.92	.06	3.64	3.65	.78	.45	1.17	.49	.08	13.89
1949	.70	.21	.14	.12	2.15	5.18	5.81	1.33	.55	3.63	.23	.32	20.37
1950	1.32	.29	1.23	.59	5.79	1.30	1.55	1.98	1.60	.47	.20	.70	17.02
1951	.59	.94	.23	.59	2.02	3.26	5.18	2.60	2.66	2.03	.03	.73	20.86
1952	.84	.78	.31	.76	.80	2.62	1.13	2.32	.66	.06	.42	.25	10.95
1953	.33	.20	1.26	2.21	2.93	4.39	2.59	1.17	.44	.66	.13	.25	16.56
1954	.57	.03	.73	.96	2.08	4.62	2.23	1.44	2.51	.75	.03	.09	16.04
1955	.18	.67	.15	.75	1.97	5.34	3.17	1.92	1.15	.14	.32	.09	16.05
1956	.52	.16	.89	.66	4.41	3.22	4.97	4.17	.34	1.43	1.91	.22	22.90
1957	.07	.23	.05	2.08	4.09	2.93	1.70	3.98	2.34	1.81	.30	.39	19.97
1958	.42	1.04	.18	1.42	4.04	3.41	2.43	1.23	.63	.26	.47	.17	15.70
1959	.20	.19	.06	.36	4.00	2.11	1.92	3.52	2.13	1.58	.44	.14	16.65
1960	.33	.29	.29	.40	3.60	2.58	2.15	3.84	.78	.21	.20	.65	15.32
1961	T	.58	.55	1.40	1.80	3.38	2.00	1.60	4.47	.14	.06	.32	16.30
1962	.49	.61	.51	.35	4.14	4.14	4.47	3.15	2.22	.30	.38	.09	20.85
1963	.15	.34	.72	1.28	1.00	3.32	2.82	6.36	1.65	.50	.12	.10	18.36

PROBABILITY OF FREEZE OCCURRENCE IN SPRING

Dates on which chance of last occurrence of indicated temperature (or lower) decreases to

Temp. (°F)	90%	75%	50%	25%	10%
32	May 5	May 12	May 19	May 26	Jun. 2
28	Apr. 28	May 5	May 12	May 19	May 26
24	Apr. 14	Apr. 22	Apr. 30	May 8	May 16
20	Apr. 8	Apr. 16	Apr. 24	May 3	May 10
16	Mar. 23	Mar. 31	Apr. 9	Apr. 18	Apr. 26

PROBABILITY OF FREEZE OCCURRENCE IN FALL

Dates on which chance of first occurrence of indicated temperature (or lower) increases to

Temp. (°F)	90%	75%	50%	25%	10%
32	Sept. 3	Sept. 9	Sept. 15	Sept. 21	Sept. 27
28	Sept. 13	Sept. 19	Sept. 26	Oct. 3	Oct. 9
24	Sept. 18	Sept. 26	Oct. 4	Oct. 12	Oct. 20
20	Sept. 28	Oct. 6	Oct. 15	Oct. 24	Nov. 1
16	Oct. 9	Oct. 17	Oct. 26	Nov. 4	Nov. 12

Maximum Temperature

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1912	58	46	54	78	81	96	88	89	88	80	64	49	96
1913	39	53	55	83	91	95	96	97	98	80	65	52	98
1914	50	46	65	77	84	85	104	100	95	82	66	50	104
1915	36	39	46	84	84	82	88	87	87	77	66	45	88
1916	36	43	56	69	86	83	95	93	88	75	68	59	95
1917	41	42	60	67	86	93	108	99	88	72	70	47	108
1918	41	45	74	70	88	92	99	99	85	78	58	55	99
1919	47	43	48	75	86	91	98	92	93	78	46	48	98
1920	41	39	64	57	80	90	96	92	92	87	62	50	96
1921	50	57	70	84	83	100	97	97	91	78	61	49	100
1922	38	32	48	74	80	89	94	95	97		50	40	97
1923	38	41	48	80	82	88	92	86	88	75	62	58	92
1924	44	56	50	72	72	81	88	95	78	73	61	54	95
[illegible]	38	47	74	78	94	90	97	105	95	64	64	48	105
[illegible]	46	53	70	87	93	100	103	100	89	74	61	48	108
[illegible]	45	40	55	79	80	93	87	89	91	81	53	34	93
1928	43	51	72	75	91	83	90	98	85	83	61	51	98
1929	37	36	66	78	87	93	98	100	99	82	49	44	100
1930	35	56	59	78	88	91	103	101	85	71	68	39	103
1931	49	56	52	80	92	101	107	101	104	82	70	40	107
1932	37	54	52	73	90	89	101	96	90	83	63	55	101
1933	47	54	66	75	86	102	103	98	97	83	70	54	103
1934	49	56	71	89	107	95	110	103	87	88	65	46	110
1935	43	51	65	70	76	89	97	103	93	75	41	37	103
1936	30	33	56	81	90	105	114	104	99	86	56	42	114
1937	32	36	56	62	83	100	100	105	102	87	65	42	105
1938	41	41	66	84	80	96	99	105	95	92	57	45	105
1939	47	42	82	85	98	90	99	100	92	80	70	64	100
1940	42	47	46	73	87	96	100	95	94	77	55	47	100
1941	40	34	63	76	92	89	102	108	91	70	64	59	108
1942	54	50	63	87	80	78	92	94	90	82	65	40	94
1943	37	41	67	76	94	88	96	98	86	85	47	48	98
1944	52	32	42	62	86	87	92	98	86	77	67	40	98
1945	40	41	73	77	78	86	97	97	101	84	68	48	101
1946	38	40	82	77	82	90	98	108	86	74	56	49	108
1947	46	46	60	81	80	86	96	98	95	88		39	98
1948	40	43			94	93	98	100	101	79	62	51	101
1949	43	40	43	82	86	90	106	100	91	86	68	50	106
1950	28	36		72	89	98	89	90	95	86	67	46	98
1951	39	47	50	80	83	82	92	95	80	84	52	47	95
1952	41	40	42	89	89	94	104	101	96	74	69	43	104
1953	45	43	59	79	85	92	93	99	90	91	70	46	99
1954	47	60	57	81	84	89	101	95	85		68	52	101
1955	39	38	69	80	90	86	97	98	96	92	68	37	98
1956	43	37	58	73	85	95	92	87	93	83	57	54	95
1957	34	45	60	79	82	85	94	94	81	81	56	53	94
1958	50	65	60	82	89	87	92	103	95	94	69	45	103
1959	41	37	59	84	91	95	101	104	97	74	50	47	104
1960	45	39	46	74	85	86	101	103	94		68	42	103
1961	42	44	70	83	82	101	95	99	90	84	69	53	101
1962	46	42	63	89	82	85	88	94	88	84	64	58	94
1963	52	53	78	78	87		95	93	87	92	65	55	95

Minimum Temperature

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1912	-43	-21	-17	24	28	36	40	43	26	23	9	-10	-43
1913	-32	-18	-17	16	17	27	35	40	25	-2	0	-12	-32
1914	-20	-27	-1	14	27	39	41	32	32	21	-13	-30	-30
1915	-37	-10	-7	15	26	32	38	34	33	20	6	-9	-37
1916	-44	-27	-22	12	22	38	48	36	24	10	-5	-37	-44
1917	-29	-38	-31	17	23	34	31	35	30	2	2	-40	-40
1918	-33	-32	-8	12	22	34	38	40	17	14	2	-20	-33
1919	-34	-25	-19	18	30	32	45	42	29	-12	-15	-23	-34
1920	-30	-21	-17	0	30	37	48	36	26	9	0	-23	-30
1921	-14	-15	-4	15	25	35	44	38	32	24	-14	-27	-27
1922	-29	-24	-15	17	33	44	38	46	31	15	10	-21	-29
1923	-11	-25	-21	10	24	40	51	37	31	11	5	-17	-25
1924	-30	-18	0	15	23	39	38	38	30	31	3	-30	-30
1925	-26	-18	-7	22	23	41	40	43	29	-4	0	-15	-26
1926	-20	-1	-10	5	20	28	44	46	17	10	-1	-21	-21
1927	-22	-20	8	12	23	33	40	41	19	19	1	-29	-29
1928	-29	-10	3	4	26	33	45	35	23	13	7	-10	-29
1929	-28	-35	-2	18	19	33	43	34	18	21	-8	-23	-35
1930	-30	-16	-6	20	25	37	39	42	21	6	-7	-6	-30
1931	-18	-5	-3	10	20	38	43	37	30	24	-5	-8	-18
1932	-26	-17	-17	18	31	46	43	38	29	10	-8	-25	-26
1933	-22	-35	-6	17	28	38	43	38	27	12	3	-22	-35
1934	-19	-20	-9	13	27	41	40	32	22	19	8	-21	-21
1935	-30	-9	-10	11	26	33	48	31	20	9	-9	-20	-30
1936	-32	-41	-4	-2	28	35	48	42	25	-3	-1	-22	-41
1937	-30	-23	-2	13	31	32	46	47	24	1	-16	-20	-30
1938	-30	-23	-1	12	22	35	48	41	26	16	-8	-25	-30
1939	-19	-36	-9	7	28	40	47	38	20	2	9	-13	-36
1940	-28	-19	-5	8	23	40	45	33	24	20	-23	-25	-28
1941	-25	-26	-15	17	23	40	38	37	25	12	-1	-11	-26
1942	-30	-25	7	16	23	33	39	34	15	0	-2	-21	-30
1943	-36	-19	-22	15	20	35	50	33	23	23	4	-14	-36
1944	-10	-34	-15	12	18	36	39	40	32	19	-11	-13	-34
1945	-19	-29	-25	17	20	33	35	39	23	10	-4	-26	-29
1946	-26	-24	1	22	13	29	40	43	32	16	-6	-27	-27
1947	-24	-24	-3	11	25	32	39	36	21	23		-17	-24
1948	-27	-21			29	39	48	42	34	13	5	-15	-27
1949	-29	-25	-4	18	28	39	44	37	20	16	7	-25	-29
1950	-33	-17		12	21	30	41	38	33	20	-13	-26	-33
1951	-34	-26	-21	17	29	35	41	38	20	10	-9	-33	-34
1952	-23	-12	-23	18	25	37	42	37	31	9	-4	-3	-23
1953	-17	-19	-10	7	22	33	42	44	27	18	6	-7	-19
1954	-35	-4	-9	-2	19	36	43	47	30		6	1	-35
1955	-21	-30	-17	23	25	38	49	35	26	12	-18	-28	-30
1956	-25	-32	-16	12	21	38	45	36	25	15	0	-17	-32
1957	-32	-24	-3	6	26	37	50	38	30	11	1	-21	-32
1958	-10	-32	5	15	24	38	45	32	25	17	-12	-21	-32
1959	-32	-27	0	10	20	39	40	42	27	16	-13	3	-32
1960	-25	-26	-25	15	23	37	43	38		4	-16	-21	-26
1961	-32	-15	8	11	15	39	45	42	27	15	5	-19	-32
1962	-30	-31	-24	15	30	39	40	41	31	9	14	-20	-31
1963	-30	-23	0	14	16	43	47	41	32	23	2	-26	-30

STATION HISTORY

Daily weather observations were begun in January 1892 and continued regularly until May 1906. Only sporadic reports were received for the next few years. Then beginning in November 1911 and continuing through to the present time, observations have been recorded regularly. The period of record used in this summary is from 1912 through 1963. However, in determining the extremes we have used all available data back to 1892.

The equipment at this station consists of a standard 8-inch rain and snow gage, and maximum and minimum thermometers exposed in a standard instrument shelter about 5 feet above the ground. A recording type rain gage was added June 13, 1947.

Observers at Ashley, North Dakota, have been:

George H. Fay	January 1892	to	April 1896
John J. Gildt	May 1896	to	November 1896
LaMotte Miles	January 1897	to	March 1906
E. T. Clyde	April 1906	to	May 1906
E. T. Clyde	July 1908	to	November 1908
F. F. Zimmerman	November 1911	to	January 1912
R. C. Miles	February 1912	to	August 1925
H. D. Piper	September 1925	to	July 1936
R. C. Miles	August 1936	to	December 1937
Henry Doerr	January 1938	to	July 1940
Civil Aeronautics Administration	August 1940	to	December 1946
Eddie H. Glur	January 1947	to	October 1947
Raymond R. Spitzer	November 1947	to	March 1948
W. C. Drey	May 1948	to	January 1949
B. A. Steinhaus	February 1949	to	Present

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