

CLIMATIC DATA GENERAL

[Table 1](#) gives the daily precipitation for 1952 as recorded at the Dickinson Experiment Station for the U.S. Weather Bureau.

[Table 2](#) is a climatic data summary of precipitation, temperature, wind velocity, evaporation and frost free period for 1952.

Above average precipitation in September and October of 1951 plus slightly above normal snowfall in January, February and March of 1952 provided enough moisture for germination and early crop growth. April of 1952 was the first April in the past 60 years to have no measurable amount of precipitation fall, and this, followed by only .42" in May, a month having a 60 year normal of 2.24" resulted in considerable damage to the small grains and grasses during this critical growing period. June Rainfall of 3.80" coming at well spaced intervals and in quantities great enough to penetrate the soil to some depth helped to revive the grain crops and improved the outlook considerably. Rainfall for July was slightly below par with only two rains during the month, one of .74" and one of .37" coming in effective quantity. Excellent August moisture and delay of the first fall frost aided in producing a fairly good crop of corn.

Soil moisture was depleted at the end of the growing season of 1952 and moisture conditions will need to be very favorable in the spring of 1953 to promote good germination and start the crop.

Table 1 - Daily precipitation in inches at the Dickinson Experiment Station - 1952 ¹												
Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.03	0	T	0	0	0	T	0	T	0	T	0

2	0	0	T	0	0	.03	.18	0	0	0	.07	0
3	0	0	T	0	0	0	.08	.06	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	T
5	0	0	0	0	0	0	0	0	.09	0	0	0
6	0	0	T	0	T	0	0	0	.18	0	0	0
7	0	0	T	0	.01	1.37	0	T	0	0	0	0
8	0	.02	T	0	0	0	0	.43	0	0	T	T
9	0	0	T	0	0	0	0	T	.04	0	T	0
10	0	0	0	0	T	0	0	0	0	0	0	0
11	0	0	T	0	0	.37	.10	0	0	0	0	T
12	.01	0	.21	0	0	0	.02	0	0	0	0	0
13	.02	0	0	T	0	0	.15	0	.30	.02	0	0
14	.01	.07	.01	0	T	0	0	0	0	.02	0	0
15	.06	T	T	0	.09	.10	0	T	0	0	0	0
16	.01	0	T	0	0	T	.03	T	0	0	.09	0
17	.04	T	.13	0	.01	0	.01	T	0	0	T	0
18	0	.10	0	0	.01	0	.37	0	T	0	.02	0
19	0	.26	0	0	.06	0	.05	1.11	0	0	0	0
20	0	.18	.33	0	0	.12	.74	0	.02	0	0	0

21	T	0	.02	0	T	0	.08	0	0	0	0	T
22	.18	.02	T	0	0	.57	.04	0	0	0	0	0
23	.06	.02	0	0	0	0	T	0	0	0	0	0
24	.02	0	.02	0	0	0	0	0	0	0	.06	T
25	.04	0	.01	0	0	T	T	0	0	0	.02	0
26	0	0	T	0	.20	.21	0	0	0	0	T	0
27	T	0	0	0	.04	.45	0	1.40	0	0	0	0
28	0	T	0	0	0	.58	0	0	0	0	0	0
29	0	T	0	0	0	T	T	.01	0	0	0	0
30	0		0	0	T	T	0	.01	0	0	0	0
31	0		0		T		0	.07		0		0
Total	.48	.67	.73	T	.42	3.80	1.85	3.09	.63	.04	.26	T
Annual	11.97 inches											

¹Figures taken from records made at the Dickinson Experiment Station for the U.S. Weather Bureau and the Division of Soils, Fertilizers and Irrigation

Table 2 - Climatic Data for 1952 - Dickinson Experiment Station, Dickinson, North Dakota														
Climatic Data	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total Annual	Mean Seasonal

Precipitation-1952	.48	.67	.73	T	.42	3.80	1.85	3.09	.63	.04	.26	T	11.97	6.07
61 year average	.47	.43	.77	1.24	2.21	3.48	2.19	1.74	1.19	.87	.54	.44	15.57	9.12

Mean Temperature (Degrees Fahrenheit)

1952	12.2	18.8	16.3	47.9	55.5	64.5	67.0	67.8	60.7	43.8	29.4	22.7	42.2	
40 yr. ave.	10.2	13.2	24.9	41.8	52.2	61.6	68.1	66.2	56.0	43.7	28.1	16.2	40.2	

Wind Velocity - MPH

1952				4.5	4.8	5.4	4.3	4.0	3.9					
34 yr. Ave.				6.7	6.7	5.6	4.7	4.9	5.2					

Evaporation - Inches

1952				3.370	5.160	7.420	7.880	6.890						
45 yr. Ave.				3.765	5.363	6.080	7.626	6.905						

Last Killing Frost - Spring

1952	May 11	28°F.												
45 yr. ave	May 18													

First Killing Frost - Fall

1952	Sept. 22	28°F.												
45 yr. ave.	Sept. 15													

Table 3 - Outline of Agronomic Investigations - 1952					
Description	Number of Varieties or Strains	Approx. No. Of Seedlings	Size of Plots of Rows		Approx. Area
			Acres	Feet	Acres
Rotation & Tillage Trials		202	1/10		20.2
Fertilizer Trials		50	1/66		.8
Roughage Trial		88	1/66		1.4
Barley:					
Varietal Field Plots	14	56	1/66		.9
Nurseries	63	189		16	.08
Corn:					
Varieties & Hybrids	26	78			.75
Flax:					
Varietal Field Plots	15	60	1/66		1.0
Nurseries	72	215		17	.08
Oats:					

Varietal Field Plots	18	72	1/66		1.2
Nurseries	102	306		15	.10
Spring Wheat:					
Varietal Field Plots	25	100	1/66		1.50
Yield Nurseries	350	900		16	.25
Smut Nurseries	600	600		4-8	.02
Winter Wheat:					
Nurseries	150	225		8-16	.08

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