

FLAX TRIALS - 1953

Experiments with flax in 1953 at the Dickinson Experiment Station included field plot trials of fifteen named varieties.

Flax Variety Trials

The five top yielding flax varieties this year were Linda, Sheyenne, Bison, B 5128, and Dooro (C.I. 977).

Yields were poor in the flax variety trials this year, 7.3 bushels per acre being high from Linda and 2.4 bushels per acre being the lowest yield in this trial from Arrow.

Thin stands and a heavy weed infestation, particularly pigeon grass, were the main reasons for the poor yields this year.

Data from the 1953 flax variety trial are presented in [table 15](#). Comparative yields for the flax variety trials from 1944 through 1953 with averages since 1944 are summarized in [table 16](#).

Table 15 - Agronomic Data from Flax Variety Trials - 1953											
Date Seeded - 5-8-53 Date Emerged - 5-56-53 Rate - 2 pecks Plot Size - 1/66 Acre											
1953 No.	Variety or Cross	C.I. or N. No.	Yield - Bu. per Acre					Test Wt.	Date	Ht. In.	Rank
			1	2	3	4	Ave.		First Bloom		
1	Sheyenne	1073	6.5	4.2	6.9	7.6	6.3	57.2	7-6	17	2

2	Linda	1165	8.0	6.9	8.0	6.5	7.3	57.5	7-8	16	1
3	Marine	1135	2.7	4.2	4.9	4.6	4.1	56.7	7-8	16	11
4	Dakota	1071	3.1	6.5	5.3	3.4	4.6	57.2	7-8	19	6
5	Bison	389	4.6	5.7	7.2	4.2	5.4	58.0	7-12	19	3
6	Koto	842	3.4	3.8	4.9	4.6	4.2	58.0	7-12	18	9
7	Rocket	1133	2.7	4.2	5.3	4.9	4.3	56.5	7-8	16	8
8	Royal	Canada	3.4	3.1	5.7	4.6	4.2	56.5	7-11	18	10
9	Arrow	1070	2.7	1.9	3.1	1.9	2.4	56.5	7-12	19	15
10	B. 5577	B. 5577	2.7	5.7	4.2	4.9	4.4	57.0	7-7	18	7
11	Victory	1045	2.3	4.9	3.1	3.1	3.4	57.0	7-2	18	13
12	Victory sel.	Ns 3256	2.7	4.2	4.9	3.4	3.8	55.0	7-2	20	12
13	Redw ood	1030	3.4	3.8	3.8	1.9	3.2	58.0	7-7	18	14
14	B. Golden	977	3.8	6.9	5.7	3.1	4.9	57.5	7-10	19	5
15	B. 5128	B. 5128	4.6	4.6	3.8	6.9	5.0	59.7	7-10	19	4

Table 16 - Comparative Yields Flax Varietal Trials - 1944-1953 With Averages Since 1944

Variety	Yields in Bushels per Acre										Averages								
	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1952 to 1953	1951 to 1953	1950 to 1953	1949 to 1953	1948 to 1953	1947 to 1953	1946 to 1953	1945 to 1953	1944 to 1953
Bison	5.6	6.9	9.7	11.3	7.4	0	8.9	4.0	9.3	5.4	7.3	6.2	6.9	5.5	5.8	6.6	7.0	7.0	6.8

B. 5577	10.0	10.7	10.5	14.1	6.2	0	10.2	3.7	3.9	4.4	4.1	4.0	5.5	4.4	4.7	6.1	6.6	7.1	7.4
R. 522 (C.I. 977)	7.7	7.8	9.7	16.0	5.9	0	9.4	3.8	6.1	4.9	5.5	4.9	6.0	4.8	5.0	6.6	7.0	7.1	7.1
Koto	7.3	7.2	10.0	11.0	10.6	0	9.1	3.8	5.7	4.2	4.9	4.6	5.7	4.6	5.6	6.3	6.8	6.8	6.9
Victory	8.7	8.6	9.1	10.1	5.4	0	11.5	3.8	8.1	3.4	5.2	4.8	6.4	5.2	5.2	5.9	6.3	6.6	6.8
B. 5128	8.6	8.2	8.7	14.6	5.0	0	12.1	3.0	5.7	5.0	5.3	4.6	6.4	5.2	5.1	6.5	6.8	6.9	7.1
Royal	7.9	8.3	10.7	12.0	7.0	0	9.5	3.9	5.4	4.2	4.8	4.5	5.7	4.6	5.0	6.0	6.6	6.8	6.9
Dakota	7.5	9.3	9.1	10.8	10.7	0	10.9	3.5	9.0	4.6	6.8	5.7	7.0	5.6	6.4	7.1	7.3	7.5	7.5
Sheyenne	6.2	6.5	9.3	14.0	4.5	0	9.5	3.8	4.1	6.3	5.2	4.7	5.9	4.7	4.7	6.0	6.4	6.4	6.4
Arrow	7.5	11.4	9.6	11.0	3.8	0	10.0	3.1	4.7	2.4	3.5	3.4	5.0	4.0	4.0	5.0	5.6	6.2	6.3
Marine							9.5	3.7	6.1	4.1	5.1	4.6	5.8						
Rocket							9.0	2.9	4.1	4.3	4.2	3.8	5.1						
Redw ood							8.4	2.8 ^a	4.8	3.2	4.0	3.6	4.8						
Ns 3256									6.1	3.8	4.9								
Linda									5.4	7.3	6.3								
Sig. diff. bu.																			

^aNew Redw ood seed beginning in 1951.

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