

SPRING WHEAT ELIMINATION NURSERY

101 varieties or strains - single rows grown at three North Dakota Stations - Fargo, Langdon and Dickinson

Three station averages for this nursery are not yet available. The spread in yield in the Elimination Nursery was considerably wider in 1952 than in either the Uniform Regional or Intrastate Nurseries, ranging from a low of 3.4 bushels per acre from Key No. 33, Dr. Waldron's No. 646.8.14.4, to a high of 17.2 bushels per acre from Dickinson's Key No. 74 (Regent x Mida). Lee, used as a check in this nursery averaged 7.0 bushels per acre and weighed 62.5 pounds per bushel. All of the Dickinson entries in this nursery averaged as good or better than the Lee check with 22 of the thirty entries averaging better than 9.5 bushels per acre, which is at least 2.5 bushels more than the check. Several exceptional yields can perhaps be mentioned here. Key No. 87 (1556 x Cadet) averaged 16.2 bushels per acre. Key No. 99 (1844 x Mida) produced 15.6 bushels per acre. Key No. 76 (Regent x Mida) produced 14.6 bushels per acre. Key No. 74 (Regent x Mida) already mentioned, produced 17.2 bushels per acre. Key No. 88 (1556 x Thatcher) produced 13.6 bushels per acre.

As was the case in the two previous trials test weights in the Elimination Nursery were good this year ranging from 58.0 bushels per acre to 62.5 bushels per acre.

Promising strains from this nursery are advanced to Intrastate and Regional trials as rapidly as space becomes available.

Data from the 1952 Dickinson trial is presented in [table 36](#).

[Table 37](#) summarizes yields from three stations.

Table 36 - Agronomic Data From Elimination Nursery - 1952

Date seeded - 4-25
 Date emerged - 5-2
 Rate 1 bpa
 Plot size - 1' x 16'

1952		Breeding	Yield bpa	Test Weight	Dates		Height Inches	% Leaf Rust	% Stem Rust
Order	Key				1st Head	Ripe			
1	87	1556 - Cadet	16.2	57.5	6-21	8-3	27	70	M
2	8	646.8.4.1	8.8	60.0	6-15	8-3	21	T	L
3	99	1844 - Mida	15.6	60.0	6-15	8-3	25	60	M
4	63	1.10.14.1	5.0	60.0	6-16	8-4	25	0	H
5	70	Mida - Vesta	15.2	60.5	6-20	8-5	27	60	M
6	76	Reg. - Mida	14.6	59.0	6-20	8-6	25	40	H
7	60	1.10.8.2	10.4	56.5	6-20	8-5	26	0	H
8	14	646.8.9.6	11.0	59.0	6-15	8-3	23	0	M
9	32	646.8.14.3	12.0	60.0	6-15	8-3	18	0	T
10	30	646.8.11.14	11.8	59.0	6-16	8-3	18	T	T
11	59	1.10.8.1	7.6	59.5	6-17	8-3	23	0	M
12	74	Reg. - Mida	17.2	61.0	6-18	8-3	24	30	M
13	17	646.8.12.9	7.0	59.5	6-15	8-3	20	0	T
14	26	646.8.6.13	9.4	59.0	6-15	8-3	15	15	M

15	47	646.8.18.3	7.6	58.0	6-16	8-3	21	0	T
16	64	1.10.14.2	9.8	59.0	6-15	8-3	20	0	H
17	15	646.8.11.4	8.4	60.0	6-15	8-3	21	0	M
18	11	646.8.7.6	12.4	58.0	6-15	8-3	21	0	L
19	68	1.10.27.2	8.8	60.5	6-15	8-3	22	0	M
20	23	646.8.7.11	10.2	59.0	6-15	8-3	21	0	L
21	65	1.10.16.1	7.0	59.5	6-18	8-3	19	0	H
22	28	646.8.1.15	6.6	59.5	6-17	7-31	15	0	T
23	67	1.10.27.1	6.4	59.0	6-15	7-31	20	T	M
24	31	646.8.14.2	10.0	60.0	6-17	8-3	18	0	T
25	52	646.8.21.2	8.8	61.0	6-17	7-31	16	T	T
26	21	646.8.13.13	7.0	61.0	6-15	7-31	15	0	T
27	49	646.8.20.2	8.4	60.5	6-17	7-31	19	0	T
28	45	646.8.18.1	6.0	57.5	6-17	7-31	15	0	T
29	77		11.4	60.0	6-23	7-31	22	T	M
30	3	813.8.4	8.0	61.0	6-21	7-31	23	0	T
31	62	1.10.10.2	7.0	58.0	6-17	7-31	21	0	T
32	78	Reg. - Mida	10.2	61.0	6-24	8-4	22	T	T
33	72	1552 - Pilot	10.8	58.5	6-21	7-31	20	T	T

34	71	1556-1563	8.2	57.5	6-20	7-31	16	T	M
35	48	646.8.20.1	7.4	60.5	6-18	7-31	17	T	T
36	19	646.8.7.8	8.8	59.0	6-17	7-30	14	T	T
37	97	1844 -Mida	9.8	61.0	6-18	7-30	18	5	T
38	89	1556 -R.L. 1333	8.0	60.0	6-23	7-31	19	5	T
39	39	646.8.16.2	6.8	59.5	6-17	7-30	19	0	T
40	37	646.8.15.5	5.8	60.0	6-15	7-30	12	0	M
41	12	646.8.10.4	11.0	59.5	6-15	7-30	14	0	T
42	16	646.8.6.7	7.2	61.0	6-15	7-30	16	0	T
43	10	646.8.3.3	9.6	59.5	6-18	8-1	18	0	T
44	82	Reg. - Mida	10.4	61.0	6-29	8-5	21	0	M
45	55	1.10.3.1	9.2	60.0	6-21	8-3	22	0	M
46	53	646.8.21.3	11.2	61.0	6-18	8-3	18	0	T
47	50	646.8.20.3	11.0	59.0	6-21	8-4	20	0	T
48	92	Complex	11.2	61.5	6-20	8-4	24	25	M
49	40	646.8.16.3	10.6	58.5	6-20	8-4	20	0	T
50	25	646.8.10.10	11.0	61.0	6-17	8-3	20	0	T
51	91	Pilot - Prem.	13.8	59.0	6-24	8-5	25	25	M
52	1	1.10.24.8	10.6	59.5	6-21	8-4	23	0	M

53	86	Ceres - HTF	11.0	61.0	6-22	8-4	23	25	M
54	5	3.6.34.8	5.6	59.0	6-18	8-3	22	0	H
55	94	Reg. - Mida	11.0	62.0	6-23	8-4	23	25	M
56	75	1556 - Pilot	9.0	61.0	6-22	8-2	21	25	M
57	90	1563 - Reg.	9.0	61.0	6-20	8-5	25	20	M
58	80	Reg. - Mida	9.0	61.0	6-23	8-3	23	20	M
59	58	1.10.4.2.2	6.2	59.0	6-20	8-4	20	0	H
60	4	813.8.39	6.2	61.0	6-21	8-4	23	0	T
61	96	1844 - Mida	9.8	62.0	6-20	8-4	22	T	T
62	81	Reg. - Mida	9.6	61.5	6-23	8-4	23	T	T
63	7	646.8.12.3	6.4	60.0	6-17	7-31	18	0	T
64	61	1.10.10.1	6.0	59.0	6-17	8-2	24	0	H
65	13	646.8.4.4	11.2	60.0	6-18	8-1	19	T	T
66	41	646.8.16.4	9.0	61.0	6-15	7-31	17	0	T
67	2	3.6.34.6	14.6	58.0	6-18	8-2	23	0	T
68	9	646.8.1.1	8.6	58.5	6-15	7-31	16	0	M
69	29	646.8.10.14	10.4	59.5	6-15	8-1	16	0	T
70	6	646.8.6.3	10.4	60.5	6-15	7-31	17	T	T
71	46	646.8.18.2	10.2	58.5	6-17	7-31	17	0	T

72	51	646.8.21.1	11.4	59.0	6-17	7-31	16	0	T
73	79	1563 - Red.	12.6	59.0	6-18	8-6	21	10	T
74	43	646.8.17.2	7.2	61.0	6-15	7-31	15	0	T
75	88	1556 - Thatcher	13.6	58.0	6-21	8-2	25	5	T
76	66	1.10.16.2	7.6	57.0	6-18	8-2	25	0	T
77	54	3.6.34.7	10.2	60.0	6-18	8-3	16	0	M
78	85	1556 -Mida	12.6	62.0	6-22	8-4	22	10	M
79	24	646.8.1.12	7.8	60.0	6-18	8-3	16	0	T
80	98	1844 - Mida	10.4	62.0	6-21	8-3	22	0	T
81	22	646.8.6.10	9.2	60.0	6-15	7-31	16	0	T
82	83	1556-12040	8.4	60.5	6-21	7-31	21	50	H
83	57	1.10.4.1	7.0	59.5	6-17	8-1	20	T	T
84	100	1740-M-1753	9.6	61.0	6-18	7-31	20	T	T
85	18	646.8.5.8	7.4	60.0	6-15	7-31	14	0	T
86	38	646.8.16.1	5.4	60.0	6-15	7-31	15	0	T
87	93	1552 - Pilot	11.0	60.5	6-21	8-2	20	5	T
88	34	646.8.15.2	6.6	60.5	6-15	7-31	18	0	T
89	33	646.8.14.4	3.4	62.0	6-16	8-2	18	0	T
90	73	1552 - Pilot	8.8	59.0	6-23	8-2	21	5	T

91	44	646.8.17.3	4.2	60.0	6-15	8-1	13	0	T
92	36	646.8.15.4	7.4	61.0	6-16	8-1	15	0	T
93	69	1.10.31.1	10.0	61.5	6-18	8-3	23	0	T
94	20	646.8.10.8	8.0	61.5	6-15	7-31	15	0	T
95	42	646.8.17.1	4.6	60.0	6-15	7-31	14	0	T
96	27	646.8.12.13	4.6	58.0	6-15	7-31	15	0	T
97	56	1.10.3.2	4.0	59.0	6-21	8-3	16	0	T
98	35	646.8.15.3	3.8	60.0	6-16	8-1	15	0	T
99	95	1740 - Mida	7.2	62.0	6-21	8-3	20	25	T
100	84	1556 - Mida	7.6	61.0	6-21	8-3	22	15	T
101	101	Lee	7.0	62.5	6-15	7-31	17	T	T

Table 37 - Three Station Yields and Averages - Elimination Nursery - 1952

Key No.	Yields - Bushels per acre			
	Dickinson	Fargo	Langdon	3 - Station Ave.
1	10.6	29.4	39.2	26.4
2	14.6	34.1	27.4	25.4
3	8.0	32.8	30.4	23.7

4	6.2	30.1	20.8	19.0
5	5.6	34.2	21.4	20.4
6	10.4	35.3	19.4	21.7
7	6.4	25.9	15.6	16.0
8	8.8	33.3	19.8	20.6
9	8.6	27.5	15.8	17.3
10	9.6	28.4	17.6	18.5
11	12.4	32.2	19.0	21.2
12	11.0	36.5	17.0	21.5
13	11.2	28.5	19.1	19.6
14	11.0	30.5	16.2	19.2
15	8.4	31.3	13.2	17.6
16	7.2	32.8	22.0	20.7
17	7.0	22.9	13.0	14.3
18	7.4	32.1	13.5	17.7
19	8.8	28.0	21.4	19.4
20	8.0	30.7	16.4	18.4
21	7.0	25.5	15.8	16.1
22	9.2	29.5	15.0	17.9
23	10.2	29.7	18.8	19.6

24	7.8	27.6	13.2	16.2
25	11.0	26.7	16.8	18.2
26	9.4	30.2	17.8	19.1
27	4.6	29.9	15.6	16.7
28	6.6	26.2	14.8	15.9
29	10.4	24.9	21.0	18.8
30	11.8	29.5	16.4	19.2
31	10.0	28.4	21.6	20.0
32	12.0	28.8	16.2	19.0
33	3.4	28.5	13.0	15.0
34	6.6	28.1	20.6	18.4
35	3.8	33.6	14.2	17.2
36	7.4	33.4	19.2	20.0
37	5.8	31.3	17.6	18.2
38	5.4	26.0	13.0	14.8
39	6.8	31.2	21.0	19.7
40	10.6	28.4	18.0	19.0
41	9.0	31.1	15.4	18.5
42	4.6	27.6	17.8	16.7

43	7.2	31.2	16.0	18.1
44	4.2	26.6	12.0	14.3
45	6.0	33.4	19.6	19.7
46	10.2	24.2	18.4	17.6
47	7.6	27.8	17.6	17.7
48	7.4	32.6	18.0	19.5
49	8.4	26.7	16.4	17.2
50	11.0	37.8	15.4	21.4
51	11.4	21.0	17.0	16.5
52	8.8	37.9	12.2	19.6
53	11.2	31.8	21.4	21.5
54	10.2	32.2	16.6	19.7
55	9.2	19.8	19.6	16.2
56	4.0	18.3	13.8	12.0
57	7.0	22.3	17.0	15.4
58	6.2	28.3	16.0	16.8
59	7.6	21.4	11.4	13.5
60	10.4	22.4	13.0	15.3
61	6.0	25.3	14.2	15.2
62	7.0	20.2	12.2	13.1

63	5.0	25.4	12.8	14.4
64	9.8	26.0	18.6	18.1
65	7.0	25.0	18.2	16.7
66	7.6	31.7	14.4	17.9
67	6.4	28.4	15.2	16.7
68	8.8	29.6	14.4	17.6
69	10.0	30.2	20.0	20.1
70	15.2	29.5	22.6	22.4
71	8.2	37.2	18.4	21.3
72	10.8	35.5	24.2	23.3
73	8.8	30.0	18.8	19.2
74	17.2	34.1	17.4	22.9
75	9.0	34.2	24.6	22.6
76	14.6	31.9	25.0	23.8
77	11.4	33.6	21.4	22.1
78	10.2	30.2	17.4	19.3
79	12.6	25.6	18.0	18.7
80	9.0	21.6	18.0	16.2
81	9.6	34.0	20.0	21.2

82	10.4	32.8	17.6	20.3
83	8.4	29.6	17.4	18.5
84	7.6	30.6	17.5	18.6
85	12.6	36.5	18.4	22.5
86	11.0	29.8	19.4	20.1
87	16.2	35.5	20.0	23.9
88	13.6	33.3	19.2	22.0
89	8.0	24.5	20.2	17.6
90	9.0	32.0	17.8	19.6
91	13.8	30.4	20.8	21.7
92	11.2	24.9	16.4	17.5
93	11.0	32.2	26.0	23.1
94	11.0	29.3	23.4	21.2
95	7.2	31.7	18.6	19.2
96	9.8	25.7	17.8	17.8
97	9.8	24.5	25.4	19.9
98	10.4	29.6	17.0	19.0
99	15.6	33.1	22.0	23.6
100	9.6	32.8	16.8	19.7
101	7.0	35.2	23.0	21.7

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