

SPRING WHEAT NURSERIES

Uniform Regional Nursery:

26 varieties or strains - triplicate 3 row plots grown at 18 stations in the spring wheat region.

The composite report for this trial is not yet available.

In the Dickinson trial the Thatcher check ranked eleventh for yield averaging 16.1 bushels per acre. Entries which exceeded the check included:

Two selections from Minnesota's Timstein x Thatcher cross which ranked seventh and tenth.

Two selections from Dr. L.R. Waldron's Am¹⁰ x Newthatch cross which ranked fifth and ninth.

N. No. 2239 from the cross Henry x Cadet and also N. No. 2300 from the cross Henry x Cadet. N. No. 2170 from the cross Pilot² x Thatcher which ranked first with an average yield of 21.3 bushels per acre.

N. No. 2256 from the cross 1750 x 1753, which also averaged 21.3 bushels per acre and P.W. 114 from the cross Rushmore² x Supresa.

Test weights were good in this trial ranging from a low of 58.0 pounds per bushel to a high of 63.0 pounds per bushel.

Three of the 26 entries, all from Dr. L.R. Waldron's Am¹⁰ x Newthatch cross, showed no sign of leaf rust infection in the Dickinson trial this year. None of the entries in this trial were completely free from black stem rust this year,

although there was considerable difference in the degree of infection.

Results of quality trials on the 1952 Uniform Regional Spring Wheat Nursery will not be available in time to be included in this report.

Data from the field trials are summarized in table 33.

Table 33 - Agronomic Data From Uniform Regional Spring Wheat Nursery - 1952														
Date seeded - 4-19														
Date emerged - 4-29														
Rate - 1 bpa														
Plot size - 3' x 16'														
1952 Key No.	Variety or Cross	State or N. No.	C. I. No.	Yield - Bu. per acre				Test Weight	Dates		Height Inches	% Leaf Rust	% Stem Rust	Rank
				1	2	3	Ave		1st Head	Ripe				
1	Marquis		3641	11.6	16.0	24.4	17.3	61.0	6-20	8-5	18	50	T	8
2	Thatcher		10003	10.0	15.2	23.0	16.1	60.0	6-18	7-30	17	50	T	11
3	McMurachy - Exchange x Redman ³	RL 2624	12953	13.4	13.2	17.6	14.7	58.0	6-16	8-5	16	30	T	23
4	Henry x Cadet	N. 2300	12966	13.6	17.6	22.6	17.9	59.0	6-20	8-6	15	5	T	6
5	Lee x Frontana	N. 2357	12957	13.4	15.8	16.6	15.3	61.5	6-16	8-8	17	10	T	18
6	Henry x Cadet	N. 2233	12781	12.0	15.8	20.6	16.1	60.0	6-18	8-4	15	T	T	12

7	Henry x Cadet	N. 2239	12779	18.6	15.6	24.2	19.5	59.5	6-18	8-3	25	10	M	4
8	Lee x Mida sib.	Ns. 3880	12976	11.0	19.0	14.6	14.9	61.0	6-13	8-6	18	T	M	19
9	Lee x Ns. 3175	Ns. 3654	12907	11.4	17.2	13.4	14.0	60.0	6-16	8-7	21	25	M	25
10	Am ¹⁰ x Newthatch	Ns. 3662	12951	17.6	13.0	16.6	15.7	58.0	6-16	8-2	20	T	M	15
11	Do	Ns. 3780	12968	15.2	16.8	11.6	14.5	59.5	6-15	8-3	20	T	T	24
12		Ns. 3681.5	12969	14.8	19.6	16.0	16.8	60.0	6-17	8-5	19	0	M	9
13		Ns. 3894	12970	14.8	16.0	25.2	18.7	59.5	6-18	8-4	22	0	M	5
14		Ns. 3895	12971	10.8	18.2	19.0	16.0	59.0	6-20	8-4	23	0	M	13
15	Rushmore ² x Supresa	PW 36	12972	12.0	8.8	25.4	15.4	62.0	6-18	8-4	17	5	T	16
16	Do	PW 114	12973	14.0	20.6	24.8	19.8	63.0	6-21	8-4	20	T	T	3
17	Pilot ² x Thatcher	N 2170	12974	20.4	21.6	22.0	21.3	60.5	6-24	8-3	23	60	M	1
18	1750 x 1753	N 2256	12975	18.4	24.8	20.8	21.3	61.0	6-23	8-5	23	70	H	2
19	Timstein x Henry	II-44-65	13026	14.0	13.0	17.8	14.9	60.5	6-17	8-2	19	T	T	21

20	Timstein x Mida	II-42-89	13027	14.4	15.2	14.8	14.8	60.5	6-16	8-3	18	5	T	22
21	Timstein x K58	II-44-31	13028	11.2	15.0	19.6	15.3	60.0	6-13	8-3	23	T	H	19
22	Frontana x Thatcher	II-46-3	13029	12.2	7.2	13.4	10.9	59.0	6-21	8-6	22	20	M	26
23	Do	II-46-13	13030	18.4	13.8	21.0	17.7	59.0	6-21	8-6	25	T	T	7
24		II-46-52	13031	15.4	16.6	17.9	16.6	58.0	6-18	8-4	23	15	T	10
25	Mida x Kenya 117A	II-44-22	12964	12.0	15.2	19.0	15.4	61.0	6-16	8-7	21	80	M	17
26	Kenya 58 x Newthatch	II-44-29	13032	16.0	13.4	18.0	15.8	60.5	6-22	8-3	23	15	H	14

[Back to 1952 Research Reports Table of Contents](#)

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