

SPRING WHEAT STATE NURSERY

State Nursery: Ten entries - triplicate three row plots

This nursery, made up of strains developed by Dr. L.R. Waldron, plant breeder, North Dakota Agricultural Experiment Station, was included in the 1952 plantings at Dickinson at his request.

Lee, used as a check in this trial, averaged 8.7 bushels per acre, and was outyielded by the entire nursery. Ns. 3891 averaged 12.3 bushels per acre and Ns. 3958 averaged 11.9 bushels per acre to rank one and two respectively in this trial. Here again, resistance to leaf rust was good for all entries excepting Ns. 4035 which rusted forty percent. None of the entries were completely free from stem rust in 1952.

Data from the 1952 Dickinson trial is summarized in table 38.

Table 38 - Agronomic Data From State IV Nursery - 1952																
Date seeded - 4-19																
Date emerged - 4-29																
Rate - 1 bpa																
Plot size - 3' x 16'																
							Test Weight	Dates		Height Inches	% Leaf Rust	% Stem Rust	Straw Strength	% Shatter	Rank	
1952 Row Nos.			Description					1st Head	Ripe							
1	11	24	3662.3	11.0	8.0	11.6	10.2	61.0	6-15	8-1	18	0	M	F	20	6
2	18	23	3891	13.2	9.6	14.0	12.3	60.0	6-18	7-31	19	0	S	F	0	1

3	14	25	3906	11.0	8.4	12.2	10.5	60.5	6-18	8-2	23	T	S	F	5	4
4	15	21	Lee	12.0	5.8	8.4	8.7	62.0	6-15	7-27	22	T	M	G	0	10
5	16	26	3895	12.0	9.0	11.2	10.7	61.5	6-19	7-28	19	0	S	F	0	3
6	13	22	3958	11.8	10.0	13.8	11.9	60.0	6-18	8-1	20	0	M	G	0	2
7	12	28	3662.1	11.0	8.3	11.0	10.1	59.5	6-15	8-2	18	T	M	F	0	7
8	20	29	3662.4	9.8	9.4	9.4	9.5	60.5	6-15	8-1	17	0	M	G	0	8
9	19	27	3961	11.2	10.6	9.8	10.5	62.0	6-19	8-1	22	0	S	G	0	5
10	17	30	4035	9.2	9.4	9.4	9.3	61.5	6-19	7-28	21	40	M	G	10	9

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[Email: drec@ndsuxext.nodak.edu](mailto:drec@ndsuxext.nodak.edu)