

SPRING WHEAT SMUT NURSERIES

Uniform Bunt Nursery: 52 varieties or strains - duplicate eight foot rows

This nursery, which contains current uniform plot varieties, wheats from the Uniform Regional Spring Wheat Nursery, promising strains from other nurseries and several checks is seeded at five stations in the spring wheat region. Composite results are not yet available. Infection in the Dickinson trials in 1952 ranged from zero to 45 percent infected. Entries which carried no smut in this trial included Rival, R.L. 2624 (McMurachy - Exchange x Redman³), N. No. 2233 (Henry x Cadet), N. No. 2170 (Pilot² x Thatcher), II-44-35 (Pilot x K 58), II-45-28 (K 58 x Mida - Newthatch), N. No. 1691 (Reliance - 1018 x Mercury), N. No. 2105 (N. No. 1691 x N. No. 1756), N. No. 1831 (Mida x Cadet), L.D. 357 and L.D. 358, both from the combination L.D. 308 x Nugget. The highest infection in the Dickinson trial was recorded on II-44-31 (Frontana x Thatcher) which averaged 45 percent infected.

Data from this trial are presented in table 43.

Table 43 - Agronomic Data From Spring Wheat Uniform Bunt Nursery - 1952							
Date seeded - 4-19							
Date emerged - 4-29							
Plot size - Duplicate 8' rows							
					Percent Bunt		
1952 Row Nos	Variety or Cross		State or N.No.	C.I. No.	I	II	Average
1	53	Rival		11708	0	0	0
2	54	Mida		12008	6	0	3

3	55	Lee		12488	4	0	2
4	56	Rushmore		12273	0	2	1
5	57	Henry		12265	0	0	0
6	58	Thatcher x Supresa	2824	12641	2	2	2
7	59	1764 x Henry	N 2211	12733	2	0	1
8	60	Marquis		3641	8	2	5
9	61	Thatcher		10003	18	6	12
10	62	McMurachy - Exchange x Redman ³	R.L. 2624	12953	0	0	0
11	63	Henry x Cadet	N 2300	12966	0	2	1
12	64	Lee x Frontana	N 2357	12957	10	4	7
13	65	Henry x Cadet	N 2233	12781	0	0	0
14	66	Henry x Cadet	N 2239	12779	4	0	2
15	67	Lee x Mida sib.	Ns 3880	12976	2	0	1
16	68	Lee x Ns 3175	Ns 3654	12907	10	10	10
17	69	Am ¹⁰ x Newthatch	Ns 3662	12951	2	6	4
18	70	Do	Ns 3780	12968	26	10	18
19	71		Ns 3681.5	12969	10	0	5
20	72		Ns 3894	12970	6	6	6

21	73		Ns 3895	12971	14	8	11
22	74	Rushmore ² x Supresa	PW 36	12972	18	16	17
23	75	Do	PW 114	12973	13	10	18
24	76	Pilot ² x Thatcher	N 2170	12974	0	0	0
25	77	1750 x 1753	N 2256	12975	2	14	8
26	78	Timstein x Henry	II-44-65	13026	4	0	2
27	79	Timstein x Mida	II-42-89	13027	14	4	9
28	80	Timstein x K 58	II-44-31	13028	10	24	17
29	81	Frontana x Thatcher	II-46-3	13029	42	48	45
30	82	Do	II-46-13	13030	18	38	28
31	83		II-46-52	13031	32	12	22
32	84	Mida x Kenya 117A	II-44-22	12964	4	12	8
33	85	Kenya 58 x Newthatch	II-44-29	13032	22	12	17
34	86	Timstein x K 58	II-44-32		12	24	18
35	87	Pilot x K 58	II-44-33		2	2	2
36	88	Do	II-44-34		2	0	1
37	89	Timstein x Henry	II-44-64		6	10	8
38	90	Pilot x K 58	II-44-35		0	0	0

39	91	Henry x Mida	II-44-63		2	2	2
40	92	K 58 x Mida - Newthatch	II-45-30		6	0	3
41	93	Mida - Newthatch x K117A	II-45-22		2	2	2
42	94	Do	II-45-24		2	0	1
43	95	K 58 x Mida - Newthatch	II-45-28		0	0	0
44	96	K 58 x Newthatch	II-44-28		18	12	15
45	97	Reg Egyptian	II-45-6		28	20	24
46	98	Ulka	Check	11478	36	26	31
47	99	Rel. - 1018 x Mercury	N 1691	12204	0	0	0
48	100	1691 x 1756	N 2105	12541	0	0	0
49	101	Mida x Cadet	N 1831	12363	0	0	0
50	102	Ld. 308 x Nugget	Ld. 356		2	0	1
51	103	Do	Ld. 357		0	0	0
52	104		Ld. 358		0	0	0

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