

WINTER WHEAT TRIALS - 1953

Trials with winter wheat at the Dickinson Station for the 1952-1953 season included the Uniform Hard Winter Wheat Winter Hardiness Nursery with nineteen entries, and the Supplementary Winter Hardiness Nursery which included one hundred and forty-three varieties, strains, and selections.

The average percentage of survival of the entries in the Uniform Winter Hardiness Nursery varied from a high of 39% to a low of 13%. C.I. No. 12716, Hope - Turkey x Cheyenne had the highest survival, 39%. Second high was C.I. 12711, Turkey x Cheyenne, at 35%. Turkey x Oro, C.I. 12705, survived with a percentage of 34%, and Minter had an average survival of 33%. Yogo reselection and Kharkof, M.C. 22, were the poorest of all entries in this trial with a survival percentage of 13%.

In the Supplementary Winter Hardiness Nursery, survival percentages ranged from a high of 25% to a low of 0 survival.

Survival data for the 1952-53 Uniform Winter hardiness Nursery are summarized in [table 21](#). Survival data for the Supplementary Winter Hardiness Nursery for the 1952-53 season are presented in [table 22](#).

Entry No.	Name	C.I. No.	% Av. Survival
1	Kharkof	1442	See footnote
2	Kharkof MC22	6938	13
3	Nebred	10094	16

4	Minturki	6155	27
5	Minter	12138	33
6	Turkey x Oro	12705	34
7	Sioux	12142	16
8	Turkey x Cheyenne	12711	35
9	Yogo	8033	18
10	Hope - Turkey x Cheyenne	12716	39
11	Hope - Cheyenne ²	12717	20
12	Comanche x Blackhull - H. Fed	12517	22
13*	Cheyenne - H 44 x Cheyenne Sel.	N461529	20
14*	Cheyenne Sel. x Turkey	N462239	See footnote ¹
15*	Yogo reselection	M. Elite	24
16*	Yogo reselection	M. Good	3
17*	Minnesota 2844	---	See footnote ¹
18*	Minnesota 2845	---	See footnote ¹
19*	Minnesota 2846	---	See footnote ¹

* New entries

¹Seed of these selections was not received in time to be planted for 1952-53.

Table 22 - Supplementary winter hardiness nursery list of winter wheats for testing in 1952-53. Duplicate 8-foot rows.

Row	No.	Name	C.I or Sel. No.	% Av. Survival
1	201	Kharkof	1442	1
2	202	Blackhull	6251	15
3		Early Blackhull	8856	1
4		Pawnee	11669	1
5		Commanche	11673	10
6		Hard Federation Hybrid	12515	10
7		Comanche x Blackhull - Hd. Fed.	12517	8
8		do.	12710	10
9		Comanche x Cheyenne - Blackhull	12708	5
10		Blackhull - Oro x Pawnee	12709	8
11		Turkey x Cheyenne	12711	8
12		Pawnee x Cheyenne	12715	3

13		Hope - Turkey x Cheyenne	12716	15
14		E. Blackhull - Tenq. - Oro -M -H	12871	5
15		M - H- Pn. x Oro - Ill. 1 - Com.	12872	0
16		do.	12804	3
17		Med. - Hope x Pn. ²	12873	3
18		Med. - Hope x Com. ²	12874	3
19		Pawnee x Cheyenne	12875	4
20		Tenmarq	6936	3
21		Oro x Blackhull - Hd. Fed.	13001	2
22		12701 x Wichita	12702	5
23		12701 x Wichita	12703	2
24		Kandred x Clarcken	13002	1
25		do.	13003	2
26		Sinalocho x Wichita		5
27		Siv. - Wichita x Hope - Cheyenne		3
28		do.		4

29		do.		2
30		Turkey	12137	7
31		Mqo. - Oro x E. Blackhull Hybrid		0
32		do.		0
33		do.		0
34		do.		1
35		Kiowa x Mqo. - Oro		1
36		do.		2
37		do.		0
38		do.		0
39		do.		0
40		Wichita x Mqo. - Oro - Kv. - Tq.		0
41		Chey. - Red Chief x Pn - Mqo. - Oro		0
42		Com. - Mqo. - Oro x Red Chief - Hebred		0
43		Pn. - Mqo. - Oro x Chiefkan - E. Bl. - Tq.		5

44		do.		2
45		Kharkof	1442	5
46		Nebred - Mqo. -Oro x Chief. Pn.		2
47		Mqo. - Oro - Kv. - Tq. x C.O.T.		2
48		do.		0
49		Mqo. - Oro - Kv.Tq. x C.O.T.		0
50		do.		2
51		Kv. - Mqo. - Kv. - Tq. x Apache		9
52		do.		6
53		Wich. x Mqo. - Oro - Kv. Tq.		4
54		Kiowa	12133	20
55		Ponca	12128	15
56		KanQueen	C44-36	5
57		Bkhl. - Oro x Pawnee	Wd.3h1-94	5
58		Com. x Chey - Blackhull	Wd.3h3-85	5

59		Med. - Hope - Pn. X Cro - Ill. 1 - Com.	K.49413	4
60		Tenmarq	6936	3
61		Med. - Hope - Pn. X Cro - Ill. 1 - Com.	F.50275	5
62		Med. - Hope x Pawnee ³	K.51348	3
63		do.	K.51322	2
64		do.	K.51324	3
65		do.	K.51335	4
66		Kv. - Mqo. - Tenq. x Med. - H. - Pn	149369	0
67		do.	K49444	4
68		Iv.Cl. - Com. x Pn. - Com.	K.472941	3
69		do.	K.472935	5
70		do.	K.472936	5
71		Pawnee x Oro	Wd. 44h1-94	0
72		(K - M - T x Oro - Ill. 1 - Com.) X M - H -Pn.	K. 50234	0
73		do.	K. 50338	0

74		Com. - Med. - Hope x Chiefkan	K. 52209	0
75		Turkey	12137	4
76		Com. - Med. - Hope x Chiefkan	K. 52211	0
77		Triumph x (Mqo. - Oro x Com.)	K. 52276	8
78		do.	K. 52277	5
79		Westar sel.	Stw. 515437	1
80		Nebred x Med. - Hope - Pn.	Stw. 494109	3
81		K - M - T x K - M - K - T	Stw. 494091	2
82		Kv. - Mqo. x Kv. - Tq.	Stw. 484336	0
83		Comanche sel.	Stw. 473257	0
84		Oro x BI - Hd. Fed.	Wd. 44h2-42	4
85		Blackhull - Oro x Pawnee	Wd. 43h1-236	0
86		Wichita x Mqo - Oro	Wd. 487067	0
87		K - M - T x M - H - Pn	Stw. 484129	0
88		Triumph x C.I. 12516	Stw. 517104	0

89		C.I. 12515 x Westar	Stw. 517660	0
90		Kharkof	1442	5
91		Cheyenne x Ponca	N. 502388	3
92		do.	N. 502398	0
93		do.	N. 502398	2
94		do.	N. 502407	6
95		do.	N. 502418	5
96		do.	N. 502423	3
97		do.	N. 502425	4
98		do.	N. 502426	0
99		Cheyenne x Ponca	N. 502430	0
100		do.	N. 502433	0
101		do.	N. 502436	1
102		do.	N. 502440	3
103		do.	N. 502442	0
104		do.	N. 502444	3
105		Tenmarq	6936	5

106		Cheyenne x Mqo. - Oro	N 493151	0
107		do.	N493180	2
108		Marquillo - Oro x Wichita	Tx. 218-48-8	3
109		do.	Tx. 218-48-25	2
110		do.	Tx. 218-48-35	10
111		Kan. Hd. Fed. - Tq. x Mqo. - Oro	Tx. 216-47-17	5
112		do.	Tx. 216-47-25	25
113		Pawnee Sel. 33	12707	8
114		Chiefkan x Marquillo - Oro	Tx. 244-46-13	6
115		Westar x Hope - Turkey	Tx. 253-48-34	5
116		Martin - Tq. x Chiefkan	Tx. 160-44-135	8
117		Red May	7250-1	6
118		Fronteira x Red May ²	Tx. 131-46-3	5
119		Sel. 124-42-222 x Clarion	Tx. 248-48-9	3
120		Turkey	12137	10

121		Triticum - A. elong. x Pawnee	Stw. 524445	10
122		Do.	Stw. 524447	10
123		Do.	Stw. 524448	6
124		Timstein x M - O - K - T	Stw. 516629	5
125		do.	Stw. 516648	3
126		do.	Stw. 516669	10
127		Wheat x rye	N. 496613	1
128		do.	N. 498670	2
129		do.	N. 496602	2
130		Cheyenne - R. Ch. x Pn. - Mqo. - Oro	N. 492444	0
131		do.	N. 492958	0
132		do.	N. 492975	0
133		Yogo x Wasatch	M. 3	0
134		do.	M. 4	5
135		do.	M. 6	5
136		do.	M. 8	15

137		Rio - Rex x Cheyenne	M482161	15
138		do.	M472361	20
139		Rio - Rex x Nebred	M482215	3
140		do.	M482235	0
141		Blackhull - Rex x Cheyenne	M482296	3
142		Blackhull x Rio - Rex	M482271	4
143		Rio x Rex	M483131	3

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