

HARD RED SPRING WHEAT VARIETY TRIALS

Table 1 - Hard red spring wheat variety trial.				
Variety	Avg. yield	Test weight	Heading date	Height inches
Waldron	36.9	61.5	7-12	33.0
Ellar	35.8	63.0	7-12	36.0
Olaf	41.8	64.0	7-14	29.5
Wared	45.9	63.0	7-18	25.0
Era	50.6	62.5	7-18	25.0
Profit 75	36.9	64.0	7-12	26.0
Prodax	48.4	61.5	7-12	26.0
Protor	36.9	62.5	7-11	25.0
Bounty 309	44.6	63.0	7-12	26.5
Kitt	39.9	62.5	7-15	24.5
Norana	41.0	64.0	7-14	24.0
Tioga	33.0	62.5	7-12	32.0
Fortuna	32.2	63.5	7-11	33.0

Chris	36.3	62.5	7-14	33.0
Lark	31.6	61.5	7-11	25.0
Glenlea	36.9	61.5	7-16	32.0
Nowesta	36.9	62.5	7-15	32.5
S6916	35.2	62.5	7-10	31.5
S7003	31.4	61.5	7-12	33.0
ND519	40.7	64.5	7-10	29.5
ND522	44.8	63.0	7-14	30.5
ND527	41.8	63.5	7-16	36.0
ND528	49.0	63.0	7-15	31.5
ND531	40.4	64.0	7-14	35.0
ND532	40.7	63.5	7-13	32.0
ND536	38.2	62.5	7-12	33.0
ND537	42.1	62.0	7-14	29.0
ND538	41.5	62.5	7-15	36.0
ND539	45.4	63.0	7-14	35.5
ND540	41.8	63.0	7-13	35.0
MP25B	43.2	63.5	7-11	27.5

Standard error of a treatment mean = 1.9271

Least significant difference @ 5% = 5.3963

The c. v. = 9.63 P.C.

Table 2 - Long term yield comparison of hard spring wheat varieties						
Variety	Yields in bushels per acre					
	1971	1972	1973	1974	1975	5 Yr. avg.
Waldron	25	25	53	34	37	35
Ellar				33	36	
Olaf		27	62	38	42	
Wared				41	46	
Era	28	35	71	42	51	45
Prodax				37	48	
Protor				36	37	
Norana			60	31	41	
Tioga				29	33	
Fortuna	27	20	50	34	32	33
Chris	28	22	50	33	36	34
Lark	27	35	58	34	32	37

Glenlea			56	35	37	
Nowesta			53	33	37	
S6916				36	35	
S7003				33	31	
ND519				33	41	
ND522				42	45	
ND527				33	42	
ND528				39	49	
L.s.d. @ 5%	5.1	6.1	5.2	6.4	5.4	

Table 3 - Hard spring wheat variety trials Dickinson and off-station sites								
Variety	Yield in bushels per acre							
	Dickinson	Beach	Bowman	Glen Ullin	Hettinger	Killdeer	Mandan	Avg. 6-station
Waldron	37	38	39	38	31	Hailed Out	26	35
Ellar	36	37	33	34	29		24	33
Olaf	42	44	33	37	30		22	35

Wared	46	47	45	46	33		23	40
Era	51	48	42	45	36		26	41
Profit 75	37	48	44	46	25		16	36
Prodax	48	39	43	41	28		24	37
Protor	37	35	35	35	33		19	32
Bounty 309	45	41	37	37	29		25	36
Kitt	40	41	31	39	29		19	33
Norana	41	35	36	36	22		16	31
Tioga	33	35	33	35	27		22	31
Fortuna	32	36	31	34	27		18	30
Standard error of a treatment mean	1.9	1.0	0.8	1.4	1.7		1.4	
L.s.d. @ 5%	5.4	2.9	2.3	4.1	4.9		4.0	3.9
The c.v. = P.C.	9.6	5.1	4.4	7.5	11.8		13.1	
*Hailed out.								

Table 4 - Hard spring wheat variety trials Dickinson and off-station sites	
	Test weight per bushel

Variety	Dickinson	Beach	Bowman	Glen Ullin	Hettinger	Killdeer	Mandan	Avg. 6-station
Waldron	61.5	60.5	61.5	59.0	52.0		59.0	59
Ellar	63.0	61.5	61.5	61.5	52.5		59.5	60
Olaf	64.0	60.0	62.5	60.0	53.0		60.0	60
Wared	63.0	58.0	63.5	58.0	50.5		58.5	59
Era	62.5	60.0	62.0	56.5	53.0		58.0	59
Profit 75	64.0	61.5	63.0	62.0	54.0		57.5	60
Prodax	61.5	58.0	60.0	59.0	50.0		56.0	57
Protor	62.5	62.0	62.0	62.0	53.0		57.0	60
Bounty 309	63.0	61.5	62.5	58.5	53.0		59.5	60
Kitt	62.5	58.0	61.0	58.0	51.0		57.0	59
Norana	64.0	61.5	64.0	61.0	54.5		57.5	60
Tioga	62.5	62.0	61.5	62.0	54.0		57.5	60
Fortuna	63.5	62.0	62.0	62.5	55.5		57.0	60

Table 5 - Hard spring wheat variety trials Dickinson and off-station sites								
Variety	Protein percent							
	Dickinson	Beach	Bowman	Glen	Hettinger	Killdeer	Mandan	Avg. 6-

	DICKINSON	Beach	Bowman	Ullin	Hettinger	Mindeer	Manhattan	station
Waldron	15.5	13.3	14.6	15.9	15.2		12.4	14.5
Ellar	15.0	13.8	14.9	15.6	15.0		13.5	14.6
Olaf	14.7	13.8	15.3	15.9	15.0		13.2	14.7
Wared	13.9	12.7	12.7	14.2	14.9		12.3	13.5
Era	12.8	12.1	12.0	14.3	14.0		11.2	12.6
Profit 75	12.9	13.1	12.5	14.2	14.5		11.3	13.1
Prodax	14.6	13.8	13.8	14.6	15.1		13.1	14.2
Protor	14.1	14.2	14.8	15.1	15.2		12.7	14.4
Bounty 309	14.6	14.0	14.6	14.8	14.4		11.9	14.1
Kitt	14.9	14.2	15.1	15.6	16.1		13.3	14.9
Norana	13.3	12.5	13.4	13.6	13.9		11.3	13.0
Tioga	15.1	13.9	15.0	15.3	15.5		12.3	14.5
Fortuna	13.9	13.5	13.9	15.5	14.5		12.8	14.0
Wheat Protein at 14.0% moisture.								

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