

2011 WSU Variety Testing Hard Spring Wheat Trial Summary

Precipitation Zone <12"

Variety Name															
	Bickleton	Connell	Horse Heaven	Lind	Average	Bickleton	Connell	Horse Heaven	Lind	Average	Bickleton	Connell	Horse Heaven	Lind	Average
Hard Red Spring	Yield (Bu/A)					Test Weight (Lbs/A)					Protein (%)				
Lassik	25	20	37	54	34	61.5	61.8	62.0	61.1	61.6	13.0	14.6	11.5	12.8	13.0
Hollis	25	25	34	44	32	61.6	61.5	60.6	59.7	60.9	14.4	15.7	12.3	14.6	14.3
WA 8148	24	22	34	48	32	60.8	61.3	59.9	59.9	60.5	14.5	14.8	12.1	13.5	13.7
Scarlet	17	27	38	48	32	59.8	59.7	59.9	59.5	59.7	13.2	15.6	12.2	14.1	13.8
WA 8074	21	21	34	49	31	61.6	61.9	60.8	61.5	61.4	13.4	15.3	11.4	13.3	13.4
Kelse	20	24	35	42	31	61.4	61.9	60.4	61.1	61.2	14.4	16.1	12.4	14.3	14.3
Buck Pronto	23	19	36	46	31	60.7	61.3	59.8	60.6	60.6	14.5	16.5	13.1	14.5	14.6
Bullseye	21	20	32	46	30	62.7	63.0	62.5	62.7	62.7	13.0	15.4	10.9	12.8	13.0
UI Winchester	21	17	36	47	30	60.3	62.1	61.5	61.2	61.3	13.0	15.7	11.8	12.8	13.3
Westbred 926	22	21	32	44	30	60.8	61.3	59.9	59.7	60.4	15.3	16.0	12.0	13.7	14.3
Jefferson	19	22	31	49	30	60.6	61.1	59.6	60.3	60.4	13.8	14.8	11.4	13.2	13.3
Tara 2002	25	21	33	42	30	60.9	60.4	59.1	59.5	60.0	13.7	15.9	11.8	13.3	13.7
Cerere	25	21	30	43	30	59.7	59.6	59.7	60.1	59.8	13.4	14.3	11.2	12.9	13.0
IDO702	16	24	30	45	29	59.5	60.8	58.5	58.7	59.4	13.9	15.2	11.6	13.5	13.5
10Fx Inc.1	19	23	27	43	28	60.8	61.7	59.6	60.8	60.7	14.2	15.0	11.8	13.8	13.7
WB-Fuzion	17	19	31	44	28	60.3	61.5	59.3	59.8	60.2	14.0	16.2	12.1	13.6	14.0
Hank	18	23	29	40	28	60.2	60.8	58.3	59.1	59.6	13.9	14.8	11.8	13.2	13.4
Hard White Spring															
BR7030	17	27	36	53	33	61.4	62.4	61.9	61.6	61.8	13.3	13.8	11.2	12.5	12.7
WA 8123	20	23	37	52	33	60.3	61.9	61.7	60.8	61.2	12.8	14.3	11.8	13.3	13.1
WA 8133	21	21	36	50	32	61.3	62.2	61.7	61.6	61.7	13.0	14.3	11.7	13.2	13.0
Patwin 515	20	20	35	47	30	57.7	59.8	59.5	60.6	59.4	13.2	14.7	12.0	13.5	13.3
Otis	22	23	25	45	29	61.9	61.7	60.6	61.2	61.4	12.2	13.6	10.9	12.5	12.3
Macon	22	21	30	42	29	59.1	60.9	59.3	59.8	59.8	12.9	13.5	10.9	12.0	12.3
Clear White 515	22	17	29	43	28	58.9	59.4	59.0	59.0	59.1	12.9	15.2	13.1	14.5	13.9
CV (%)	26	8	8	5	11	1.5	0.6	1.2	0.9	1.1	4.4	2.0	3.3	1.9	3.0
LSD (0.10)	N.S. ¹	2	5	3	2	1.0	0.4	1.0	0.7	0.3	0.6	0.3	0.5	0.4	0.2
Average	21	22	33	46	30	60.6	61.2	60.2	60.4	60.6	13.6	15.1	11.8	13.4	13.5
Highest	25	27	38	54	34	62.7	63.0	62.5	62.7	62.7	15.3	16.5	13.1	14.6	14.6
Lowest	16	17	25	40	28	57.7	59.4	58.3	58.7	59.1	12.2	13.5	10.9	12.0	12.3

¹ - No Significant Differences

2011 WSU Hard Spring Wheat Trial Summary

Precipitation Zone <12" – Preliminary Data

1. Hard red and white spring wheat grain yield across four locations and 24 entries in the <12" precipitation zone averaged 30 bushels/acre and is lower than the 2010 average of 36 bushels/acre. The CV for the average data is 11, higher than the 2010 CV.
2. Yields among entries averaged across locations ranged narrowly from 28 to 34 bushels/acre. Lassik was the highest yielding named entry averaged across locations. Average yield values within the 10% LSD range (2 bushels/acre) of the highest yield are shown in bold and this included 7 of the 24 entries. Stripe rust was a factor at most locations and influenced yield rankings based on susceptibility. The only fungicide application made on these trials was one at Connell and stripe rust yield impacts in percent are: minimal impact at Bickleton, minimal at Connell, 20% at Hourse Heaven, and 20% at Lind.
3. Test weight averaged 60.6 lb/bu across locations and entries and was higher than last year's 58.2 lb/bu average. Grain protein averaged 13.5% and was lower than last year's 14.9% protein value.