2011 WSU Variety Testing Hard Spring Wheat Trial Summary

Precipitation Zone >20"

Variety Name	Yield (Bu/A)				Test Weight (Lbs/A)				Protein (%)			
	Fairfield	Farmington	Pullman	Average	Fairfield	Farmington	Pullman	Average	Fairfield	Farmington	Pullman	Average
Hard Red Spring												
Lassik	52	60	74	62	61.2	61.1	63.0	61.8	12.1	11.2	9.3	10.9
UI Winchester	49	60	72	60	60.9	61.5	62.8	61.7	12.5	11.9	9.4	11.3
WA 8074	47	60	74	60	60.4	61.3	62.7	61.5	13.0	11.7	8.6	11.1
Buck Pronto	47	59	72	59	60.3	61.4	62.7	61.5	14.1	12.9	10.6	**12.6**
Hollis	51	61	65	59	60.2	60.8	61.6	60.9	13.1	12.1	10.5	11.9
Scarlet	42	57	69	56	60.4	60.5	62.3	61.1	12.4	11.9	9.2	11.2
Bullseye	39	59	66	55	62.1	62.7	63.6	**62.8**	13.1	11.5	7.7	10.8
WA 8148	40	51	74	55	59.3	59.7	61.5	60.2	13.8	11.9	9.4	11.7
Kelse	48	54	60	54	61.1	61.0	62.6	61.6	14.2	12.8	11.3	**12.8**
Tara 2002	56	53	52	54	59.7	60.3	58.8	59.6	12.1	11.5	10.8	11.4
10Fx Inc.1	51	47	57	52	60.9	61.4	61.1	61.2	12.1	12.1	8.5	10.9
Westbred 926	45	53	60	52	59.6	59.3	60.3	59.8	13.4	12.9	10.3	12.2
Jefferson	39	53	62	51	60.8	60.6	61.5	61.0	12.9	12.4	8.6	11.3
Cerere	45	53	54	51	58.6	58.9	61.8	59.8	11.8	11.2	8.1	10.3
IDO702	39	46	51	46	59.2	59.3	60.3	59.6	12.5	12.1	9.6	11.4
WB-Fuzion	43	42	47	44	59.7	60.2	60.6	60.2	12.9	11.7	10.0	11.5
Hank	36	47	40	41	55.5	59.3	58.0	57.6	13.4	12.5	10.9	12.3
Hard White Spring												
WA 8123	55	68	84	**69**	61.2	61.3	63.8	62.1	12.2	12.2	9.9	11.4
WA 8133	57	53	80	63	61.5	62.2	63.5	62.4	12.4	12.4	9.0	11.3
Patwin 515	52	59	78	63	59.8	60.2	62.2	60.7	13.5	12.2	10.4	12.0
BR7030	49	60	74	61	61.1	61.7	63.8	62.2	12.1	11.5	9.3	11.0
Clear White 515	57	47	65	56	59.1	60.2	61.2	60.2	12.7	12.3	9.5	11.5
Macon	46	59	61	55	57.9	60.7	61.7	60.1	11.5	11.2	8.5	10.4
Otis	44	54	51	49	60.0	61.9	62.9	61.6	11.6	10.3	9.3	10.4
CV (%)	11	11	6	9	1.1	1.0	0.6	0.9	3.0	5.2	10.6	6.3
LSD (0.10)	5	6	4	3	0.7	0.6	0.4	0.3	0.4	0.7	1.1	0.4
Average	47	55	64	55	60.0	60.7	61.9	60.9	12.7	11.9	9.5	11.4
Highest	57	68	84	69	62.1	62.7	63.8	62.8	14.2	12.9	11.3	12.8
Lowest	36	42	40	41	55.5	58.9	58.0	57.6	11.5	10.3	7.7	10.3

2011 WSU Hard Spring Wheat Trial Summary

Precipitation Zone >20" – Preliminary Data

1. Hard red and white spring wheat grain yield across three locations and 24 entries in the >20" precipitation zone averaged 55 bushels/acre that is lower than the average in the 16-20" zone and similar to the 2010 average. The CV for the average data is 9, lower than the 2010 CV. In general the trials had good establishment after late seeding.

2. Yields among entries averaged across locations ranged from 41 to 69 bushels/acre. Patwin 515, a hard white, was the highest yielding entry averaged across locations. Average yield values within the 10% LSD range (3 bushels/acre) of the highest yield are shown in bold and this included 1 of the 24 entries. Stripe rust significantly reduced yields at these locations and influenced yield rankings based on susceptibility. No fungicide applications were made on these trials and stripe rust yield impacts in percent are: 10% impact at Farmington, 25% at Fairfield, and 25% at Pullman.

3. Test weight averaged 60.9 lb/bu across locations and entries and was higher than last year's 55.2 lb/bu average. Grain protein averaged 11.4% and was lower than last year's 14.6% protein value.