

## 2011 WSU Variety Testing Hard Spring Wheat Trial, Mayview

Variety Name <small>*Hard White Italized</small>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2011				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
BR7030			49	<b>55</b>	<b>63.4</b>	8.8	31	181
<b>Lassik</b>		49	46	<b>55</b>	62.6	8.7	29	182
Macon		46	42	<b>53</b>	61.7	8.1	32	181
<b>Buck Pronto</b>	48	46	43	<b>53</b>	62.0	10.6	31	179
<b>WA 8074</b>		47	44	<b>53</b>	62.1	8.8	32	180
Clear White 515				<b>52</b>	61.3	9.7	28	179
Patwin 515				<b>52</b>	62.0	9.5	23	181
<b>Scarlet</b>	49	48	42	<b>51</b>	61.5	8.9	34	181
<b>Kelse</b>	47	44	43	<b>51</b>	62.5	10.1	33	182
<b>Tara 2002</b>	48	45	44	<b>50</b>	61.9	8.2	31	179
UI Winchester		47	43	<b>50</b>	62.1	8.3	29	180
WA 8123			41	<b>50</b>	63.3	9.1	30	180
WA 8133				49	63.1	9.1	33	181
<b>10Fx Inc.1</b>				49	62.0	9.0	30	180
<b>WA 8148</b>				48	61.4	9.3	30	182
<b>Hollis</b>	45	42	39	47	61.1	9.1	39	182
Jefferson	48	45	41	47	61.3	9.4	32	182
<b>Westbred 926</b>	46	44	42	47	61.0	10.2	31	179
<b>IDO702</b>				47	60.6	9.2	32	182
<b>Bullseye</b>		49	45	46	<b>63.7</b>	8.5	29	181
<b>WB-Fuzion</b>			43	46	61.2	8.9	30	179
<b>Cerere</b>				46	61.6	8.3	27	188
Otis		44	36	45	62.0	8.6	36	184
<b>Hank</b>	46	44	40	43	60.1	8.8	29	180
C.V.	11	11	10	7	0.4	8.2	3	0
<b>LSD</b>	2	3	4	5	0.3	0.8	1	1
<b>Average</b>	47	46	43	49	61.9	9.1	31	181
<b>Highest</b>	49	49	49	55	63.7	10.6	39	188
<b>Lowest</b>	45	42	36	43	60.1	8.1	23	179

### Mayview Hard Spring Wheat – Preliminary Data

1. Grain yield in the Mayview hard spring wheat trial averaged 52 bushels/acre and was similar to the 5-year average. The Mayview nursery was located about four miles south of Lower Granite Dam on the Snake River, or 12 miles northeast of Pomeroy, WA (R. & R. Koller, cooperator).
2. This nursery was seeded on 29 April, 2011 following winter wheat. Seed was placed at an 80#/acre seeding rate using a double-disc drill set on 6-inch spacing. Base fertilizer was 90#N/acre and soil test analysis showed an adequate level of N available. No additional N was applied to meet the hard protein target at projected, historical yield levels. Spring seeding was late but establishment was good.
3. Yields ranged narrowly from 43 bu/acre to 55 bu/acre. Yield values within the LSD range of the highest yield are shown in bold and 12 of the 24 entries are in this group. Lassik was the highest yielding named variety for 2011 and Scarlet was highest yielding over 5 years at this location. Stripe rust was a factor in this trial and fungicide was applied 31 May and 27 April. There appears to be a slight stripe rust effect on yield for susceptible entries. The Lattice design was 196% efficient compared to an RCBD for yield.
4. Test weights were good with an average of 61.9 lb/bu and ranged from 60.1 to 63.7 lb/bu. Grain protein averaged 9.1% with a range of 8.1 to 10.6 and was much lower than desired. The average plant height was 31 inches with no lodging.