

## 2012 WSU Variety Testing Hard Spring Wheat Trial, Farmington

Variety Name <i>*Hard White Italicized</i>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2012				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
<i>Otis</i>		63	67	<b>81</b>	62.5	12.0	37	190
<i>WB Harline</i>				<b>78</b>	59.3	13.5	33	189
<b>WA 8166</b>				<b>77</b>	61.1	13.5	32	192
<b>Scarlet</b>	64	63	65	73	59.9	13.9	32	188
<b>Kelse</b>	61	63	63	72	61.8	14.3	32	189
<b>WA 8167</b>				72	60.2	14.0	31	190
<i>BR7030</i>		70	66	72	61.7	12.9	31	189
<b>Glee (WA 8074)</b>		69	66	71	61.1	13.7	32	186
<b>SY605 CL</b>				69	61.9	14.6	32	185
<b>WA 8165</b>				69	62.1	14.5	42	190
<i>WA 8163</i>				69	61.4	13.3	32	194
<b>Jedd</b>				68	61.1	13.3	28	188
<i>Dayn (WA 8123)</i>		70	68	68	62.2	13.2	29	187
<b>WA 8164</b>				67	61.3	14.4	30	187
<b>Jefferson</b>	63	63	59	66	60.6	14.1	29	189
<b>WB-Fuzion</b>	55	58	54	66	59.9	14.4	29	186
<b>Bullseye</b>	64	65	62	66	<b>63.1</b>	14.2	27	189
<b>Tara 2002</b>	63	59	59	66	60.8	14.5	31	186
<b>LCS-Powerplay</b>			56	65	61.5	14.3	31	188
<b>Expresso</b>				64	61.2	15.4	28	190
<i>WA 8168</i>				64	61.2	14.0	32	191
<i>Patwin 515</i>			61	62	58.6	14.7	23	191
<i>IDO694</i>				62	62.1	13.2	26	186
<b>LCS-Buck Pronto</b>	62	64	60	62	61.1	14.6	31	187
<b>Hollis</b>	62	62	61	61	59.9	15.1	36	188
<b>Lassik</b>		61	60	61	61.5	13.5	27	189
<b>Hank</b>	57	53	54	60	59.5	14.1	28	188
<i>Clear White 515</i>			53	60	58.8	13.5	29	185
<b>LCS-ALbany</b>				58	60.4	13.9	30	195
<b>V272</b>				55	61.0	13.3	26	198
<b>C.V. %</b>	9	10	9	8	0.6	2.7	5	1
<b>LSD (.10)</b>	3	4	4	6	0.4	0.4	2	2
<b>Average</b>	62	63	61	67	61.0	13.9	31	189
<b>Highest</b>	68	70	68	81	63.1	15.4	42	198
<b>Lowest</b>	55	53	53	55	58.6	12.0	23	185

### Farmington Hard Spring Wheat - Preliminary Data

1. Grain yield in the 2012 Farmington hard spring wheat trial averaged 67 bushels/acre, five bushels/acre higher than the 5-year average for this location. The Farmington nursery was located about seven miles south of Farmington, WA (B. Nelson, cooperator).
2. This nursery was seeded on 11 May, 2012 following winter wheat. Seed was placed at a 90#/acre seeding rate using a no till plot drill equipped with Cross-slot openers set on 10-inch spacing. Fertilizer was applied pre-plant at 120#N/acre and a soil test showed 94#N/acre available. Additionally, 30 #N/acre was applied for hard spring wheat protein. Spring seeding conditions were good, but later than normal.
3. Yields ranged from 55 bu/acre to 81 bu/acre. Yield values within the LSD range of the highest yield are shown in bold and 3 of the 30 entries are in this group. The hard white variety `Otis' was the highest yielding named entry in this trial, and `Scarlet' and `Bullseye' were the highest yielding over 5 years at this location. Fungicide was applied 18 June for stripe rust control and there was minimal stripe rust impact in this trial.
4. Test weights averaged 61.0 lbs/bu and ranged from 58.6 to 63.1 lbs/bu. Grain protein averaged 13.9% with a range of 12.0 to 15.4%. The average plant height was 31 inches with no lodging.