

## 2013 WSU Variety Testing Hard Spring Wheat Trial, Walla Walla

Variety Name <i>*Hard White Italicized</i>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2013				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
<b>Glee-G2</b>				<b>110</b>	61.9	13.3	35	153
<b>Glee-0W</b>				<b>110</b>	62.2	13.2	33	152
<b>Glee (WA 8074)</b>	87	85	93	<b>109</b>	62.2	13.0	34	152
<b>Bullseye</b>	82	83	90	<b>107</b>	<b>63.1</b>	13.7	31	155
<i>WB Harline</i>			89	<b>107</b>	59.9	13.9	34	156
<i>CHBR1481W (Rexon)</i>				<b>106</b>	62.0	12.8	37	151
<i>BR7030</i>		79	84	<b>105</b>	61.9	12.5	33	156
<b>WA 8191</b>				<b>105</b>	62.3	12.2	34	157
<i>AUBR31059W (Roydon)</i>				<b>105</b>	62.5	12.6	33	150
<i>Dayn (WA 8123)</i>		82	86	104	61.6	13.5	33	154
<i>Otis</i>	80	79	87	103	61.6	13.1	39	159
<i>IDO1202S</i>				102	61.8	13.7	34	159
<i>IDO694C</i>				102	62.4	12.9	32	148
<b>IDO862T</b>				102	61.9	14.0	33	155
<i>COI565W</i>				102	61.9	13.5	37	159
<b>Kelse</b>	77	78	83	101	61.2	14.5	35	156
<b>Scarlet</b>	82	80	86	101	60.5	13.7	36	156
<b>Jefferson</b>	82	79	87	100	61.7	13.8	33	155
<b>LCS-Buck Pronto</b>	85	79	86	100	61.4	13.8	34	156
<i>WA 8192</i>				100	61.2	12.8	34	156
<b>UI-Winchester</b>				99	61.8	13.3	31	152
<b>IDO862E</b>				99	62.2	14.0	33	151
<b>Hollis</b>	78	78	88	99	61.5	14.5	42	155
<b>WA 8165</b>			86	97	62.6	15.3	44	157
<b>WA 8166</b>			85	97	62.1	14.4	37	158
<i>08SB0658-B</i>				97	60.8	13.3	29	157
<b>WA 8164</b>			82	97	61.0	14.2	33	155
<b>LNR10-0551</b>				97	62.5	13.0	33	159
<b>Lassik</b>	80	76	81	96	61.7	13.0	29	155
<b>Tara 2002</b>	80	80	87	96	61.7	13.7	36	150
<b>WB9879CLP</b>				95	61.7	15.3	35	159
<i>WA 8163</i>			79	94	61.4	14.4	35	160
<b>SY605 CL</b>			83	94	62.7	15.0	35	153
<b>WA 8190</b>				94	59.2	14.0	35	162
<b>11SB0096</b>				90	60.9	13.3	32	158
<i>Patwin 515</i>		69	72	89	58.7	14.2	26	157
<b>C.V. %</b>	6	5	4	4	0.4	1.4	3	1
<b>LSD (.10)</b>	2	2	3	5	0.3	0.2	1	2
<b>Average</b>	82	79	85	100	61.6	13.7	34	155
<b>Highest</b>	87	85	93	110	63.1	15.3	44	162
<b>Lowest</b>	77	69	72	89	58.7	12.2	26	148

## Walla Walla Hard Spring Wheat – Preliminary Data

1. Grain yield in the 2013 Walla Walla hard spring wheat trial averaged 100 bushels/acre, 18 bushels/acre higher than the 5-year average. The Walla Walla nursery was located about ten miles northeast of Walla Walla, WA (G. Smith, cooperator).
2. This nursery was seeded on 26 March, 2013 following winter wheat. Seed was placed at an 80#/acre seeding rate using a double-disc plot drill set on 6-inch spacing. Base fertilizer was 145#N/acre applied at planting and a spring soil test analysis showed 103 #N/acre. An additional 10#N/acre was applied to the hard trial to meet the hard protein target at projected yield levels. Spring seeding conditions and establishment were good.
3. This was a beautiful trial. It was uniform, had proper fertility, with few weeds and diseases, and had good available water. These conditions are reflected in the yields. Yields ranged from 89 bu/acre to 110 bu/acre. Yield values within the LSD range of the highest yield are shown in bold and 9 of the 36 entries are in this group. 'Glee-G2' (the variety Glee with 2 oz/100wt of seed of Gaucho seed treatment) was the highest yielding entry in the trial, followed by Glee-0W (no insecticide). Glee was also the highest yielding over 5-years at this location. Fungicide was applied early at jointing as a preventative for stripe rust and stripe rust was not a factor
4. Test weights averaged 61.6 lbs/bu with a range from 58.7 to 63.1 lbs/bu. Grain protein averaged 13.7% with a range of 12.2 to 15.3%. The average plant height was 34 inches with no lodging.