

## 2014 WSU Variety Testing HR Spring Wheat Trial, Endicott

Variety Name <i>Hard White Italicized</i>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2014				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
<b>SAS W4</b>				40	56.3	14.8	27	165
<b>SAS 4B</b>				35	54.5	14.9	25	165
<b>10SB0087-B</b>				33	60.2	15.5	24	161
<i>WB-Hartline</i>		52	43	33	60.1	16.9	27	159
<b>WA 8165</b>		46	39	31	61.4	16.9	30	161
<i>WA 8216</i>				31	61.1	16.0	31	162
<i>LCS-Atomo</i>				30	61.2	15.3	20	156
<i>BR7030</i>	55	49	41	28	61.3	15.7	27	159
<i>UC1741</i>				28	59.2	15.0	23	158
<i>IDO1202S</i>			44	27	61.4	15.8	29	160
<b>Glee (WA 8074)</b>	52	49	40	27	61.2	16.0	25	156
<b>SY Steelhead</b>				27	<b>61.9</b>	16.7	24	161
<b>WA 8166 (Alum)</b>		46	37	26	61.5	16.4	26	162
<i>Dayn (WA 8123)</i>	54	48	38	26	60.9	15.9	25	158
<b>Hollis</b>	48	44	35	26	61.0	15.1	31	158
<b>Glee-G2</b>			38	26	61.6	15.9	26	158
<b>WA 8218</b>				26	60.3	17.5	28	163
<i>Otis</i>	50	47	38	26	61.6	15.6	31	162
<b>Glee-0W</b>			39	25	61.4	15.9	25	157
<i>UC1744</i>				25	59.8	16.5	25	158
<b>WB9879CLP</b>			37	25	59.9	17.1	24	162
<b>05SB84</b>				25	58.4	15.3	23	159
<i>UI-Platinum (IDO694C)</i>			31	24	<b>62.0</b>	15.3	24	156
<b>HRS 3419</b>				23	58.6	16.3	26	162
<b>Jefferson</b>	47	44	33	22	61.0	16.3	24	161
<i>LCS-Star (08SB0658-B)</i>			37	21	61.0	15.4	22	158
<b>11SB0096</b>			33	21	59.8	15.6	23	160
<b>Kelse</b>	46	42	34	21	60.7	17.5	29	161
<b>IDO862E</b>			31	21	60.8	16.8	22	158
<b>WA 8217</b>				21	60.1	16.7	27	161
<i>UC1743</i>				20	58.5	17.9	20	158
<i>Patwin 515</i>		42	34	20	59.1	16.8	18	161
<b>WB-Fuzion</b>				20	60.4	17.0	25	157
<b>Scarlet</b>	51	45	32	20	59.4	16.6	27	161
<b>LCS-Buck Pronto</b>	45	42	33	20	60.2	17.1	24	157
<b>WA 8220</b>				20	60.1	17.0	28	162
<b>HRS 3361</b>				19	58.6	16.8	23	158
<b>WA 8219</b>				18	60.4	17.5	29	163
<b>Bullseye</b>	44	42	31	16	<b>61.8</b>	16.9	21	160
<b>SY605 CL</b>		40	32	16	60.8	17.5	23	157
<b>Soft Svevo</b>				7	58.3	16.0	22	159
<b>Svevo</b>				6	58.0	16.3	20	158
<b>C.V. %</b>	9	10	12	13	0.5	3.3	6	0
<b>LSD (.10)</b>	2	2	3	3	0.3	0.6	2	0
<b>Average</b>	49	45	36	24	60.1	16.3	25	160
<b>Highest</b>	55	52	44	40	62.0	17.9	31	165
<b>Lowest</b>	44	40	31	6	54.5	14.8	18	156

### Endicott Hard Spring Wheat

1. Grain yield in the 2014 Endicott hard spring wheat trial averaged 24 bushels/acre, 25 bushels/acre lower than the 5-year average. The Endicott nursery was located about five miles east of Endicott, WA (J. Huntley, cooperator).
2. This nursery was seeded on 24 March, 2014 following chem-fallow. Seed was placed at an 80#/acre seeding rate using a plot drill set on 7-inch spacing. Base fertilizer was 95#N/acre and a spring soil test showed 78#/acre of soil available N. Based on historical yield potential, an additional 31#N/acre was applied to this trial to meet the protein goal for this trial. Spring seeding conditions and establishment were good, but low available soil water and precipitation limited yields.
3. Yields ranged from 6 bushels/acre to 40 bushels/acre. Yield values within the LSD range of the highest yield are shown in bold and 1 of the 42 entries is in this group. The hard white 'WB Hartline' was the highest yielding named entry in the trial. 'BR7030' was the highest yielding over 5-years of results. No fungicide was applied and no stripe rust was reported.
4. Test weights averaged 60.1 lbs/bu with a range from 54.5 to 62.0 lbs/bu. Grain protein averaged 16.3% with a range of 14.8 to 17.9%. The average plant height was 25 inches with no lodging.