

2014 WSU Variety Testing HR Spring Wheat Trial, Connell

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
SAS W4				25	58.1	14.5	21
<i>WA 8216</i>				23	64.9	15.4	23
10SB0087-B				23	64.2	14.8	22
<i>BR7030</i>	27	23	21	22	65.3	16.0	22
05SB84				22	63.3	15.2	20
WA 8217				22	64.0	16.3	24
<i>UC1741</i>				22	61.6	13.9	21
11SB0096			19	21	64.4	14.7	21
SAS 4B				21	56.4	15.2	21
<i>IDO1202S</i>			22	21	64.3	15.5	23
WA 8218				21	64.1	15.6	24
WA 8165		24	20	20	65.3	16.4	24
<i>UC1744</i>				20	62.7	16.1	22
SY Steelhead				20	64.8	16.5	21
WB9879CLP			20	20	63.9	16.6	20
SY605 CL		22	19	20	64.5	17.0	22
Kelse	25	22	19	20	64.6	16.7	24
HRS 3419				20	63.1	15.3	22
Hollis	26	22	19	19	64.3	16.2	23
WA 8220				19	64.7	16.3	22
<i>WB-Hartline</i>		23	19	19	64.5	16.6	23
<i>LCS-Atomo</i>				19	65.0	15.2	17
<i>Dayn (WA 8123)</i>	25	21	18	19	65.0	15.8	20
<i>Otis</i>	26	23	21	19	65.2	15.0	24
<i>LCS-Star (08SB0658-B)</i>			18	19	64.9	15.4	20
<i>UI-Platinum (IDO694C)</i>			17	19	65.1	14.8	19
WA 8166 (Alum)		23	19	19	65.0	15.7	21
Jefferson	26	22	18	19	64.6	16.0	21
Glee (WA 8074)	26	22	19	18	64.8	16.3	23
WA 8219				18	64.7	16.5	24
Bullseye	25	21	18	18	66.4	16.0	20
IDO862E			17	18	64.5	16.9	21
WB-Fuzion				18	64.2	17.2	23
Scarlet	27	22	19	18	63.5	16.7	23
Glee-G2			19	18	65.1	16.0	21
Glee-0W			18	17	65.1	16.2	22
LCS-Buck Pronto	24	21	19	17	64.0	17.8	21
HRS 3361				16	63.7	16.9	22
<i>Patwin 515</i>		18	15	16	63.0	15.7	17
<i>UC1743</i>				15	62.4	17.2	19
Soft Svevo				8	61.2	17.1	18
Svevo				7	61.1	17.6	18
C.V. %	8	9	10	10	0.6	2.3	5
LSD (.10)	1	1	1	2	0.4	0.4	1
Average	26	22	19	19	63.9	16.0	21
Highest	27	24	22	25	66.4	17.8	24
Lowest	24	18	15	7	56.4	13.9	17

Connell Hard Spring Wheat

1. Grain yield in the 2014 Connell hard spring wheat trial averaged 19 bushels/acre, six bushels/acre lower than the 5-year average. The Connell nursery was located about six miles east of Connell, WA (D. Bauermeister, cooperator).
2. This nursery was seeded on 18 March, 2014 following fallow. Seed was placed at a 60#/acre seeding rate using a plot drill set on 7-inch spacing. Base fertilizer was 80#N/acre fall applied at planting and a spring soil test analysis showed 358#N/acre available to meet the hard protein target at projected yield levels. Spring seeding conditions and establishment were good.
3. Yields ranged from 7 bushels/acre to 25 bushels/acre. Yield values within the LSD range of the highest yield are shown in bold and 3 of the 42 entries are in this group. 'SAS W4' was the highest yielding named entry in this trial. 'BR7030' and 'Scarlet' were the highest yielding over 5 years at this location. No fungicide was applied and no stripe rust found.
4. Test weights were very good and averaged 63.9 lbs/bu with a range from 56.4 to 66.4 lbs/bu. Grain protein averaged 16.0% with a range of 13.9 to 17.8% and reflected the high available N found in the soil test. The average plant height was 21 inches with no lodging.