

2014 WSU Variety Testing HR Spring Wheat Trial, Horse Heaven

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
Bullseye	32	28	33	24	62.0	13.9	20
<i>LCS-Atomo</i>				24	61.7	12.6	19
11SB0096			33	24	60.6	13.1	22
10SB0087-B				24	61.7	13.1	22
<i>WA 8216</i>				23	60.7	13.4	24
<i>LCS-Star (08SB0658-B)</i>			29	23	60.4	13.5	20
WA 8217				23	61.1	13.4	25
<i>WB-Hartline</i>		24	28	23	60.2	13.8	23
WA 8165		24	28	23	62.4	14.0	24
05SB84				23	59.4	13.5	22
<i>UI-Platinum (IDO694C)</i>			29	22	62.0	12.5	22
<i>BR7030</i>	30	25	31	22	61.9	13.6	23
WA 8166 (Alum)		26	30	22	61.8	13.7	22
WA 8220				22	62.4	14.1	22
Glee (WA 8074)	29	24	28	22	61.4	13.9	22
<i>Otis</i>	30	26	31	22	61.4	13.3	25
Glee-0W			28	22	61.6	14.1	22
<i>IDO1202S</i>			31	22	61.0	13.9	22
SY Steelhead				22	61.9	14.9	21
SAS W4				22	55.2	13.6	20
Kelse	28	22	26	21	61.1	14.4	25
WB9879CLP			29	21	60.7	14.6	20
HRS 3361				21	60.2	14.1	21
WA 8219				21	61.4	15.1	22
Glee-G2			27	21	61.7	14.0	23
Scarlet	32	26	31	21	60.4	13.9	22
IDO862E			28	21	61.9	13.8	21
WA 8218				21	61.5	13.7	24
<i>UC1741</i>				21	58.4	13.0	20
<i>Dayn (WA 8123)</i>	30	23	29	20	61.6	13.9	22
SY605 CL		25	29	20	61.1	14.1	21
Hollis	30	25	28	20	60.8	14.3	24
Jefferson	30	24	28	20	61.3	14.4	20
<i>UC1744</i>				20	58.8	14.2	20
SAS 4B				20	53.9	14.6	20
<i>UC1743</i>				20	58.5	15.0	20
HRS 3419				20	58.6	14.1	23
LCS-Buck Pronto	29	24	29	19	60.3	15.0	22
<i>Patwin 515</i>		22	27	19	60.5	13.8	19
WB-Fuzion				19	60.3	14.9	21
Svevo				15	62.0	14.8	20
Soft Svevo				14	61.3	15.0	20
C.V. %	9	9	9	7	1.2	2.9	4
LSD (.10)	1	1	2	2	0.8	0.4	1
Average	30	24	29	21	60.7	14.0	22
Highest	32	28	33	24	62.4	15.1	25
Lowest	28	22	26	14	53.9	12.5	19

Horse Heaven Hard Spring Wheat

1. Grain yield in the 2014 Horse Heaven hard spring wheat trial averaged 21 bushels/acre, 9 bushels/acre lower than the 5-year average. The Horse Heaven nursery was located about seven miles southeast of Prosser, WA (J. Moon, cooperator).
2. This nursery was seeded on 21 March, 2014 following fallow. Seed was placed at a 60#/acre seeding rate using a cross-slot, no-till plot drill set on 10-inch spacing. Base fertilizer was 10#N/acre fall applied at planting and a spring soil test analysis showed 123 #N/acre available to meet the hard protein target at projected yield levels. Spring seeding conditions and establishment were good.
3. Yields ranged from 14 bushels/acre to 24 bushels/acre. Yield values within the LSD range of the highest yield are shown in bold and 10 of the 42 entries are in this group. 'Bullseye' was the highest yielding entry in this trial and along with 'Scarlet' was the highest yielding over 5 years at this location. Tilt fungicide was applied with herbicide although no stripe rust was found.
4. Test weights were good and averaged 60.7 lbs/bu with a range from 53.9 to 62.4 lbs/bu. Grain protein averaged 14.0% with a range of 12.5 to 15.1%. The average plant height was 22 inches with no lodging.