

2014 WSU Variety Testing HR Spring Wheat Trial, Bickleton

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
<i>LCS-Atomo</i>				21	57.8	12.5	20	166
10SB0087-B				21	56.4	14.6	21	173
05SB84				20	54.0	13.8	19	170
<i>UC1741</i>				20	53.1	13.9	23	172
HRS 3361				20	57.2	15.0	22	171
<i>LCS-Star (08SB0658-B)</i>			27	20	54.7	14.7	22	172
Glee-0W			27	20	59.4	13.9	22	164
<i>WB-Hartline</i>		31	28	20	55.6	15.4	20	171
SY Steelhead				19	57.8	15.7	21	172
<i>WA 8216</i>				18	57.6	14.6	20	172
<i>UI-Platinum (IDO694C)</i>			25	18	60.0	12.9	20	163
Bullseye	29	34	28	18	59.0	14.9	21	169
WA 8219				18	59.0	16.4	22	173
HRS 3419				18	52.9	16.2	24	174
Kelse	26	29	26	18	57.8	15.2	22	172
WA 8218				18	57.8	14.0	20	173
Glee (WA 8074)	29	31	28	18	58.3	14.0	21	169
WA 8220				18	59.6	14.9	22	172
<i>Patwin 515</i>		29	26	18	54.6	15.6	21	173
<i>BR7030</i>	26	30	27	18	55.9	15.0	22	171
<i>UC1743</i>				17	55.2	16.2	20	173
<i>UC1744</i>				17	54.8	14.2	23	166
11SB0096			26	17	55.6	14.3	24	173
WB-Fuzion				17	57.5	14.9	23	169
WA 8217				17	55.9	15.8	22	171
WB9879CLP			23	17	57.5	15.6	24	173
IDO862E			27	17	57.8	14.2	24	166
Jefferson	26	29	25	17	56.5	15.4	20	170
SAS 4B				17	49.6	16.8	20	180
SAS W4				17	48.7	16.0	21	180
Glee-G2			27	16	59.0	14.7	22	166
WA 8165		30	25	16	59.1	15.4	22	172
Scarlet	26	30	26	16	55.2	14.7	21	172
Svevo				15	58.2	15.5	20	167
SY605 CL		28	24	15	58.1	16.2	21	166
Hollis	27	30	26	15	57.3	15.7	22	166
WA 8166 (Alum)		28	22	15	57.9	15.4	20	172
<i>IDO1202S</i>			22	15	56.6	15.7	22	170
LCS-Buck Pronto	26	28	24	15	56.7	15.8	20	170
<i>Dayn (WA 8123)</i>	24	27	23	13	57.7	14.9	22	170
<i>Otis</i>	25	28	24	13	57.3	15.1	24	171
Soft Svevo				13	57.7	15.7	19	169
C.V. %	14	11	12	11	1.9	4.3	10	1
LSD (.10)	2	2	2	2	1.1	0.7	2	1
Average	27	29	25	17	56.6	15.0	21	171
Highest	29	34	28	21	60.0	16.8	24	180
Lowest	24	27	22	13	48.7	12.5	19	163

Bickleton Hard Spring Wheat

1. Grain yield in the 2014 Bickleton hard spring wheat trial averaged 17 bushels/acre, 10 bushels/acre lower than the 5-year average. The Bickleton nursery was located about three miles east of Bickleton, WA (S. Matsen, cooperator).
2. This nursery was seeded on 16 April, 2014 following spring wheat. 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 15#N/acre applied at planting and a spring soil test analysis showed 260 #N/acre available to meet the hard protein target at projected yield levels. Spring seeding conditions and establishment were good.
3. Yields ranged from 13 bushels/acre to 21 bushels/acre. Yield values within the LSD range of the highest yield are shown in bold and 9 of the 42 entries are in this group. The hard-white 'LCS-Atomo' was the highest yielding entry in this trial. 'Bullseye' and 'Glee' were the highest yielding over 5 years at this location. No fungicide was applied nor stripe rust observed.
4. Test weights were low and averaged 56.6 lbs/bu with a range from 48.7 to 60.0 lbs/bu. Grain protein averaged 15.0% with a range of 12.5 to 16.8%. The average plant height was 21 inches with no lodging.