

2014 WSU Variety Testing HR Spring Wheat Trial, Reardan

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>UI-Platinum (IDO694C)</i>			55	36	58.4	15.5	27	170
<i>Dayn (WA 8123)</i>	68	56	58	34	56.5	16.4	29	171
<i>IDO1202S</i>			57	33	57.8	15.4	33	174
<i>LCS-Atomo</i>				33	57.0	15.4	24	173
<i>WA 8216</i>				32	56.4	16.6	33	175
11SB0096			56	32	55.4	16.0	29	174
Glee-G2			59	31	57.8	16.3	31	172
<i>UC1744</i>				30	55.3	17.2	27	171
SY605 CL		55	55	30	57.6	18.7	29	169
<i>WB-Hartline</i>		55	55	30	55.5	17.4	29	173
Glee (WA 8074)	67	60	58	29	57.6	16.4	29	171
10SB0087-B				29	55.6	16.8	27	175
Glee-0W			56	29	57.3	16.4	29	171
WA 8165		54	52	29	56.6	17.8	36	174
Hollis	58	53	53	29	56.6	17.3	35	172
<i>UC1741</i>				29	53.1	15.8	26	173
WA 8218				29	55.7	18.3	31	175
Jefferson	63	55	56	28	57.4	17.0	28	173
WA 8166 (Alum)		54	53	28	55.6	17.3	30	174
<i>LCS-Star (08SB0658-B)</i>			52	28	56.2	17.1	25	174
SY Steelhead				28	56.7	17.6	28	174
SAS W4				28	46.4	18.2	29	180
<i>BR7030</i>	69	56	53	28	57.0	16.8	28	172
Bullseye	65	56	55	27	58.7	16.8	26	174
WA 8217				27	56.7	17.0	30	174
<i>UC1743</i>				27	54.8	18.2	24	172
WB-Fuzion				27	56.9	17.6	30	171
05SB84				27	54.5	16.1	26	174
IDO862E			51	27	57.7	16.6	27	171
SAS 4B				26	44.2	18.9	27	179
WB9879CLP			51	26	55.5	17.6	29	174
HRS 3419				26	54.0	17.6	28	176
Kelse	63	55	53	25	56.5	18.0	30	173
WA 8220				25	57.6	17.3	31	175
<i>Otis</i>	62	54	52	25	53.6	16.5	35	174
<i>Patwin 515</i>		49	50	25	55.0	17.4	22	173
LCS-Buck Pronto	64	55	53	25	56.1	17.8	27	171
Scarlet	65	56	53	25	54.4	17.6	32	174
WA 8219				24	58.0	18.4	32	174
HRS 3361				23	55.4	17.9	26	173
Soft Svevo				15	56.1	17.4	24	170
Svevo				13	54.9	17.9	24	170
C.V. %	9	10	8	10	1.8	2.3	4	0
LSD (.10)	2	3	3	3	1.1	0.4	1	1
Average	65	55	54	27	55.7	17.2	29	173
Highest	69	60	59	36	58.7	18.9	36	180
Lowest	58	49	50	13	44.2	15.4	22	169

Reardan Hard Spring Wheat

1. Grain yield in the 2014 Reardan hard spring wheat trial averaged 27 bushels/acre. The Reardan nursery was located about seven miles west of Reardan, WA (Hal Johnson, cooperator).
2. This nursery was seeded on 11 April, 2014 following spring wheat. Seed was placed at an 80#/acre seeding rate using a no-till plot drill equipped with cross-slot openers set on 12-inch spacing. Base fertilizer was 70#N/acre and a spring soil test showed 178#/acre of soil available N. Based on historical yield potential, an additional 34#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 and high variability limited the value of this trial.
3. Yields ranged from 13 bushels/acre to 36 bushels/acre. Yield values within the LSD range of the highest yield are shown in bold and 4 of the 42 entries are in this group. The hard white 'UI Platinum' was the highest yielding entry in the trial. No fungicide was applied and no stripe rust was reported.
4. Test weights averaged 55.7 lbs/bu with a range from 44.2 to 58.7 lbs/bu. The low test weights also indicate stress during grain filling likely due to limited available water. Grain protein averaged 17.2% with a range of 15.4 to 18.9%. The average plant height was 29 inches with no lodging.