

2014 WSU Variety Testing HR Spring Wheat Trial, Fairfield

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>	--			95	58.0	11.5	28	182
<i>LCS-Star (08SB0658-B)</i>	--		65	84	54.9	13.0	33	185
<i>UI-Platinum (IDO694C)</i>	--		66	83	58.2	12.4	31	182
<i>UC1744</i>	--			80	55.9	13.8	34	184
<i>WB-Hartline</i>	--	72	72	79	54.5	14.1	35	184
<i>UC1741</i>	--			77	56.0	12.6	33	187
11SB0096	--		64	77	56.1	13.1	33	186
SY Steelhead	--			76	59.2	14.1	39	187
<i>Dayn (WA 8123)</i>	--	68	70	76	57.4	12.0	34	184
Glee (WA 8074)	--	70	70	75	57.7	13.1	36	183
Glee-0W	--		67	74	58.3	12.8	36	182
10SB0087-B	--			74	56.8	13.1	33	187
Glee-G2	--		71	74	58.2	12.6	37	182
Kelse	--	65	64	73	58.7	13.8	35	184
WB9879CLP	--		65	72	58.8	13.3	35	187
WA 8218	--			71	56.0	13.7	37	186
<i>BR7030</i>	--	69	68	70	56.6	13.0	34	186
Hollis	--	62	63	70	56.5	14.6	46	183
WA 8166 (Alum)	--	65	66	70	55.9	13.8	39	188
WA 8220	--			70	59.2	12.9	37	187
SAS W4	--			70	52.1	14.0	39	193
<i>WA 8216</i>	--			69	57.7	12.9	38	187
SAS 4B	--			68	51.0	13.7	36	193
Jefferson	--	62	62	68	57.2	13.6	36	183
<i>Otis</i>	--	69	69	67	56.6	13.6	41	188
<i>UC1743</i>	--			67	53.7	14.8	29	188
05SB84	--			67	54.4	13.2	29	185
<i>IDO1202S</i>	--		60	67	59.9	13.6	38	187
WA 8165	--	62	62	66	56.8	15.4	47	188
WA 8219	--			65	60.5	14.0	36	186
IDO862E	--		55	65	59.3	14.1	34	182
SY605 CL	--	55	55	65	59.9	14.7	38	180
WA 8217	--			65	58.2	14.1	35	183
Bullseye	--	59	56	64	59.5	14.3	32	182
LCS-Buck Pronto	--	62	61	64	57.4	14.8	33	181
WB-Fuzion	--			63	57.7	14.0	36	181
HRS 3361	--			62	56.1	14.2	34	185
HRS 3419	--			62	53.3	14.7	38	189
Scarlet	--	62	58	61	56.7	13.7	37	184
<i>Patwin 515</i>	--	56	53	58	55.6	14.3	27	188
Svevo	--			40	57.9	14.7	27	183
Soft Svevo	--			35	55.3	16.1	25	182
C.V. %	--	8	9	9	2.1	5.1	5	1
LSD (.10)	--	3	4	7	1.2	0.7	2	1
Average	--	64	64	69	56.9	13.7	35	185
Highest	--	72	72	95	60.5	16.1	47	193
Lowest	--	55	53	35	51.0	11.5	25	180

Fairfield Hard Spring Wheat

1. Grain yield in the 2014 Fairfield hard spring wheat trial averaged 69 bushels/acre, five bushels/acre higher than the 3-year average at this location. The Fairfield nursery was located about four miles northwest of Fairfield, WA (L. Green, cooperator).
2. This nursery was seeded on 2 May, 2014 following winter wheat. Seed was placed at a 90#/acre seeding rate using a no-till plot drill equipped with cross-slot openers set on 10-inch spacing. Base fertilizer was 114#N/acre and a spring soil test showed 79#/acre of soil available N. Based on historical yield potential, 34#N/acre was applied to this trial to meet the protein goal for this trial. Spring seeding conditions and establishment were good, but available water was limiting late.
3. Yields ranged from 35 bushels/acre to 95 bushels/acre. Yield values within the LSD range of the highest yield are shown in bold and 1 of the 42 entries are in this group. The hard white variety 'LCS-Atomo' was the highest yielding entry in the trial. No fungicide was applied and no stripe rust was reported.
4. Test weights averaged 56.9 lbs/bu but varied widely with a range from 51.0 to 60.5 lbs/bu and were likely influenced by limited available water during grain filling. Grain protein averaged 13.7% with a range of 11.5 to 16.1%. The average plant height was 35 inches with no lodging.