

2014 WSU Variety Testing HR Spring Wheat Trial, Farmington

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	LODGING (%)
WA 8220				71	58.9	13.8	40	175	0
WA 8217				69	55.4	15.1	37	174	0
11SB0096			70	67	53.7	13.7	36	176	0
SY605 CL		70	71	67	57.2	16.3	40	174	0
WB9879CLP			74	67	56.6	15.5	38	175	0
IDO862E			68	66	56.3	14.7	36	173	0
05SB84				66	52.9	15.0	31	175	0
<i>Dayn (WA 8123)</i>	73	74	78	64	54.7	14.4	36	175	0
<i>UC1744</i>				64	53.8	16.1	37	174	0
<i>LCS-Star (08SB0658-B)</i>			69	63	49.2	16.2	35	175	0
<i>LCS-Atomo</i>				62	50.2	15.4	31	174	0
Glee-G2			74	62	55.9	14.5	39	174	0
<i>WB-Hartline</i>		73	70	61	53.5	16.5	37	174	0
HRS 3361				60	53.8	16.0	37	174	0
<i>UI-Platinum (IDO694C)</i>			66	60	53.3	15.0	36	174	0
10SB0087-B				60	53.9	16.3	36	175	0
Kelse	67	72	72	60	52.8	16.9	38	174	0
Bullseye	69	72	75	59	54.3	17.2	34	175	0
<i>UC1743</i>				59	51.5	16.4	31	175	0
<i>UC1741</i>				59	50.8	14.3	36	175	0
Glee (WA 8074)	71	73	74	59	55.5	14.3	39	174	0
<i>BR7030</i>	71	72	71	59	55.4	14.4	37	175	0
WA 8219				59	56.7	15.4	39	175	0
LCS-Buck Pronto	67	67	70	58	54.8	16.1	36	174	0
Jefferson	65	67	67	58	55.0	15.3	38	175	0
<i>Patwin 515</i>		64	65	58	50.5	16.8	27	175	0
WA 8165		68	67	56	55.9	15.9	50	174	0
WB-Fuzion				56	54.3	15.3	38	173	0
Glee-0W			70	56	55.8	14.8	38	174	0
Hollis	64	65	67	56	54.1	17.3	48	174	20
<i>IDO1202S</i>			69	56	54.4	14.2	40	176	0
SY Steelhead				56	56.3	17.1	41	175	0
WA 8218				55	55.7	15.3	40	175	0
WA 8166 (Alum)		69	65	55	53.3	15.6	41	176	0
Scarlet	65	69	67	54	52.1	16.1	39	175	0
<i>WA 8216</i>				54	53.8	16.4	41	175	0
<i>Otis</i>	67	75	72	52	51.9	15.6	43	175	0
SAS 4B				52	48.5	17.4	38	180	0
HRS 3419				52	49.7	19.0	40	175	0
Soft Svevo				51	57.9	16.4	28	174	0
Svevo				50	58.7	15.8	30	173	0
SAS W4				49	46.2	15.9	41	180	0
C.V. %	8	7	6	8	2.7	8.7	5	0	561
LSD (.10)	3	3	3	5	1.6	1.4	2	1	3
Average	68	70	70	59	53.9	15.7	37	175	0
Highest	73	75	78	71	58.9	19.0	50	180	20
Lowest	64	64	65	49	46.2	13.7	27	173	0

Farmington Hard Spring Wheat

1. Grain yield in the 2014 Farmington hard spring wheat trial averaged 59 bushels/acre, nine bushels/acre lower than the 5-year average at this location. The Farmington nursery was located about four miles south of Farmington, WA (B. Nelson, cooperator).
2. This nursery was seeded on 9 April, 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 130#N/acre and a spring soil test showed 124#/acre of soil available N. Fertility was based on historical yield potential and calculated 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 49 bushels/acre to 71 bushels/acre. Yield values within the LSD range of the highest yield are shown in bold and 7 of the 42 entries are in this group. The variety 'SY605 CL' was the highest yielding named entry in the trial. No fungicide was applied and no stripe rust was reported.
4. Test weights were very low and averaged 53.9 lbs/bu and varied widely with a range from 46.2 to 58.9 lbs/bu and were likely influenced by limited available water during grain filling. Grain protein averaged 15.7% with a range of 13.7 to 19.0%. The average plant height was 37 inches with minor lodging.