

## 2014 WSU Variety Testing HR Spring Wheat Trial, Dayton

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
SAS 4B				48	51.7	14.9	25	168
05SB84				48	55.3	13.5	25	163
Glee-0W			48	47	59.6	13.9	29	157
<i>UI-Platinum (IDO694C)</i>			43	47	60.6	12.8	27	157
SAS W4				46	47.4	15.1	27	167
<i>LCS-Atomo</i>				46	59.3	13.0	22	157
10SB0087-B				45	58.5	13.8	27	161
SY Steelhead				45	58.9	14.5	26	162
<i>WA 8216</i>				45	57.6	13.7	34	161
<i>UC1741</i>				44	57.5	13.5	27	161
HRS 3361				44	58.7	14.5	26	160
<i>IDO1202S</i>			44	44	59.3	13.7	29	160
11SB0096			42	44	54.5	14.1	23	160
<i>LCS-Star (08SB0658-B)</i>			42	44	58.5	13.4	25	158
<i>WB-Hartline</i>		50	45	44	58.0	13.6	32	159
WA 8219				44	59.2	15.6	31	163
<i>UC1744</i>				43	57.2	14.0	26	160
WA 8165		47	44	43	59.0	15.1	34	162
<i>BR7030</i>	62	51	45	42	58.6	13.4	26	158
HRS 3419				42	56.2	14.7	27	163
Kelse	57	47	43	42	59.0	14.7	32	159
WA 8217				42	58.8	14.3	29	159
WB9879CLP			40	42	57.9	15.2	28	162
WA 8166 (Alum)		46	43	42	58.1	14.5	30	163
Glee-G2			44	42	59.0	13.5	25	158
WB-Fuzion				42	59.2	14.5	28	156
WA 8218				41	58.0	13.9	31	160
Jefferson	55	46	42	41	59.6	14.1	27	158
Bullseye	55	45	41	41	60.1	14.1	26	161
LCS-Buck Pronto	57	46	43	40	58.6	15.4	24	156
Glee (WA 8074)	58	47	42	40	59.4	13.7	25	157
Hollis	52	44	39	40	58.9	14.6	34	159
WA 8220				39	59.3	14.3	29	161
<i>Dayn (WA 8123)</i>	58	44	40	39	58.8	13.9	27	158
IDO862E			39	38	57.4	14.3	25	158
<i>Patwin 515</i>		43	38	37	57.8	14.3	20	162
<i>UC1743</i>				37	57.0	15.6	20	160
Scarlet	56	45	40	35	56.3	14.4	29	161
Svevo				34	58.2	14.3	29	158
SY605 CL		42	38	34	59.9	15.4	26	157
<i>Otis</i>	53	45	41	33	58.3	13.6	34	162
Soft Svevo				25	58.3	14.3	20	158
C.V. %	8	8	9	11	2.7	3.2	2	0
LSD (.10)	2	2	3	5	1.6	0.5	1	1
Average	56	46	42	41	57.9	14.2	27	160
Highest	62	51	48	48	60.6	15.6	34	168
Lowest	52	42	38	25	47.4	12.8	20	156

### Dayton Hard Spring Wheat

1. Grain yield in the 2014 Dayton hard spring wheat trial averaged 41 bushels/acre, 15 bushels/acre less than the 5-year average at this location. The Dayton nursery was located about six miles northwest of Dayton, WA (Jay Penner, cooperator).
2. This nursery was seeded on 9 April, 2014 following winter wheat. Seed was placed at an 80#/acre seeding rate using a plot drill set on 7-inch spacing. Base fertilizer was 146#N/acre and a spring soil test showed 74#/acre of soil available N. Based on historical yield potential, 155#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.
3. Yields ranged from 25 bushels/acre to 48 bushels/acre. Yield values within the LSD range of the highest yield are shown in bold and 18 of the 42 entries are in this group. The variety 'SAS 4B' was the highest yielding entry in the trial. No fungicide was applied and no stripe rust was reported.
4. Test weights averaged 57.9 lbs/bu but varied widely with a range from 47.4 to 60.6 lbs/bu. Grain protein averaged 14.2% with a range of 12.8 to 15.6%. The average plant height was 27 inches with no lodging.