

2014 WSU Variety Testing HR Spring Wheat Trial, St. John

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>WB-Hartline</i>		64	62	63	59.4	15.1	32	174
<i>Otis</i>	51	61	60	63	60.8	13.5	34	173
10SB0087-B				59	60.4	14.2	29	174
SAS W4				59	52.0	12.3	32	179
<i>BR7030</i>	57	63	62	59	60.4	13.4	30	173
<i>UC1741</i>				59	56.4	13.4	29	175
Glee-G2			60	58	61.1	13.6	33	173
SAS 4B				58	52.3	12.8	29	177
Jefferson	54	59	58	58	60.1	14.2	30	173
Glee-0W			60	57	60.9	13.6	31	173
<i>IDO1202S</i>			59	57	60.7	13.2	33	174
WA 8166 (Alum)		61	58	57	60.8	14.9	30	175
<i>LCS-Star (08SB0658-B)</i>			56	56	59.4	13.7	27	174
WA 8165		59	59	56	60.7	15.6	37	174
Scarlet	57	59	55	56	58.2	14.3	32	174
<i>UC1744</i>				55	58.7	14.9	27	174
<i>WA 8216</i>				55	60.8	13.4	32	173
11SB0096			56	55	58.2	13.4	28	174
Glee (WA 8074)	58	62	60	54	60.7	14.0	30	174
<i>LCS-Atomo</i>				54	59.5	13.4	23	175
05SB84				53	57.9	13.3	28	174
WA 8219				53	61.5	14.5	36	174
Kelse	54	59	57	53	60.1	15.1	33	173
WA 8218				52	60.1	13.8	31	175
Hollis	52	57	55	52	60.4	15.0	37	174
<i>Dayn (WA 8123)</i>	56	58	55	51	59.6	13.6	30	173
WA 8220				51	61.0	15.0	33	173
WB9879CLP			50	51	59.8	15.5	28	173
SY Steelhead				51	60.8	15.7	30	173
HRS 3419				51	56.9	14.0	29	175
WA 8217				49	59.4	14.8	31	174
LCS-Buck Pronto	54	56	55	48	59.2	15.3	30	174
HRS 3361				48	58.8	15.4	31	173
WB-Fuzion				47	59.5	15.1	31	174
<i>Patwin 515</i>		49	48	45	56.8	14.8	24	175
<i>UC1743</i>				45	56.9	15.8	23	175
<i>UI-Platinum (IDO694C)</i>			49	44	60.5	13.4	29	174
IDO862E			45	42	60.1	15.1	28	173
Bullseye	53	57	53	41	61.4	15.1	26	174
SY605 CL		49	46	40	60.4	16.0	31	173
Svevo				23	58.0	16.0	23	173
Soft Svevo				23	57.9	16.1	24	172
C.V. %	10	9	9	9	1.2	5.1	5	0
LSD (.10)	3	3	3	5	0.7	0.8	2	0
Average	55	58	56	52	59.3	14.4	30	174
Highest	58	64	62	63	61.5	16.1	37	179
Lowest	51	49	45	23	52.0	12.3	23	172

St. John Hard Spring Wheat

1. Grain yield in the 2014 St. John hard spring wheat trial averaged 52 bushels/acre, only 3 bushels/acre less than the 5-year average at this location. The St. John nursery was located about four miles east of St. John, WA (J. Gisselberg, cooperator).
2. This nursery was seeded on 14 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 80#N/acre and a spring soil test showed 214#/acre of soil available N. Based on historical yield potential, no additional N was applied to this trial to meet the protein goal for this trial. Spring seeding conditions and establishment were good.
3. Yields ranged from 23 bushels/acre to 63 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 varieties 'WB-Hartline' and 'Otis' were the highest yielding entries in the trial. No fungicide was applied and no stripe rust was reported.
4. Test weights averaged 59.3 lbs/bu with a range from 52.0 to 61.5 lbs/bu. Grain protein averaged 14.4% with a range of 12.3 to 16.1%. The average plant height was 30 inches with no lodging.