

2013 WSU Variety Testing Hard 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)	2013				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
Glee (WA 8074)	60	66	66	66	60.3	14.4	32	174
<i>BR7030</i>		61	65	65	60.8	13.1	30	174
<i>CHBR1481W (Rexon)</i>				65	60.6	13.2	33	174
Bullseye	60	62	65	64	61.9	13.9	28	174
<i>COI565W</i>				63	59.8	14.4	32	175
Glee-0W				63	61.0	13.4	34	175
WA 8165			60	62	61.5	14.1	40	175
<i>WB Hartline</i>	72		64	62	59.2	12.6	30	175
<i>IDO1202S</i>				61	61.2	13.3	31	175
LCS-Buck Pronto	60	61	60	61	60.1	14.0	31	176
Kelse	59	61	62	61	60.8	13.9	32	175
Glee-G2				61	60.9	12.7	33	174
<i>Dayn (WA 8123)</i>		63	61	59	60.5	12.4	31	174
WA 8166			62	59	60.6	12.8	32	175
Lassik	62	59	55	58	60.8	13.2	28	176
Hollis	57	58	60	58	59.5	12.4	40	174
<i>Otis</i>	56	56	60	58	60.8	12.7	35	174
Jefferson	58	58	60	58	60.0	13.9	31	175
<i>WA 8163</i>			57	57	61.4	12.2	33	175
11SB0096				56	58.6	13.1	29	175
WA 8191				56	60.0	12.9	31	177
<i>08SB0658-B</i>				56	59.8	13.1	26	178
<i>AUBR31059W (Roydon)</i>				56	60.6	14.2	31	174
UI-Winchester				55	60.5	13.9	30	175
Scarlet	62	63	61	55	59.1	12.5	31	175
<i>WA 8192</i>				55	60.8	12.8	32	174
LNR10-0551				54	61.5	14.3	31	174
<i>IDO694C</i>				54	61.1	14.8	28	175
Tara 2002	52	51	51	52	60.4	14.1	32	175
SY605 CL			54	52	61.6	14.0	30	174
WA 8164			56	52	60.3	13.9	31	175
IDO862T				51	60.4	15.0	30	175
<i>Patwin 515</i>		54	50	50	58.4	13.6	21	175
WB9879CLP				48	59.9	14.7	30	177
IDO862E				48	60.5	15.0	31	175
WA 8190				45	58.8	13.9	31	177
C.V. %	10	10	9	8	0.8	7.5	4	0
LSD (.10)	3	3	4	5	0.5	1.1	1	1
Average	60	59	59	57	60.4	13.6	31	175
Highest	72	66	66	66	61.9	15.0	40	178
Lowest	52	51	50	45	58.4	12.2	21	174

St. John Hard Spring Wheat – Preliminary Data

1. Grain yield in the 2013 St. John hard spring wheat trial averaged 57 bushels/acre, 2 bushels/acre lower than the 5-year average. The St. John nursery was located about 3 miles east of St. John, WA (Mac Mills, cooperator).
2. This nursery was seeded on 9 April, 2013 following winter wheat. Seed was placed at an 80#/acre seeding rate using a plot drill equipped with double-disk openers. Base fertilizer was 70#N/acre applied at planting and a spring soil test analysis showed 79#N/acre. 25#N/acre additional fertilizer was applied to meet the hard protein target at projected yield levels. Spring seeding conditions and establishment were good.
3. Yields ranged from 45 bu/acre to 66 bu/acre. Yield values within the LSD range of the highest yield are shown in bold and 12 of the 36 entries are in this group. 'Glee' was the highest yielding entry in the trial. 'Lassik' and 'Scarlet' were highest yielding over 5-years at this location. Fungicide was applied early and stripe rust was not a factor.
4. Test weights averaged 60.4 lbs/bu with a range from 58.4 to 61.9 lbs/bu. Grain protein averaged 13.6% with a range of 12.2 to 15.0%. The average plant height was 31 inches with no lodging.