

2013 WSU Variety Testing Hard 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)	2013			
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT
<i>Otis</i>	--	61	69	71	61.3	12.2	38
Glee-G2	--			69	61.0	13.4	33
<i>BR7030</i>	--	62	68	66	60.3	13.2	30
Glee (WA 8074)	--	61	67	65	60.7	13.7	32
<i>WB Harline</i>	--		68	64	58.6	13.8	31
<i>Dayn (WA 8123)</i>	--	60	63	64	59.5	14.0	33
<i>WA 8163</i>	--		64	63	61.2	13.4	33
WA 8166	--		63	62	60.9	14.9	33
<i>WA 8192</i>	--			62	60.7	12.7	31
Glee-0W	--			60	60.7	13.5	31
Tara 2002	--	59	61	59	60.8	15.4	31
LCS-Buck Pronto	--	56	60	59	60.5	14.3	30
WA 8165	--		60	58	61.3	15.3	37
WB9879CLP	--			57	58.9	14.6	33
Jefferson	--	53	59	57	60.2	14.3	30
Kelse	--	57	61	56	59.7	15.5	31
Lassik	--	56	57	56	59.4	13.8	29
Hollis	--	55	58	56	60.3	14.6	36
UI-Winchester	--			56	59.8	13.7	30
Scarlet	--	56	63	55	59.5	14.7	31
<i>CHBR1481W (Rexon)</i>	--			55	59.2	14.2	32
<i>CO1565W</i>	--			54	58.4	14.6	33
<i>IDO1202S</i>	--			54	61.0	14.7	36
<i>AUBR31059W (Roydon)</i>	--			54	59.2	14.1	29
WA 8191	--			52	60.3	13.4	34
WA 8164	--		55	51	59.3	15.3	29
WA 8190	--			51	60.0	15.9	35
11SB0096	--			50	57.4	14.4	32
Bullseye	--	51	56	49	60.7	14.9	28
<i>IDO694C</i>	--			49	59.4	14.7	29
<i>Patwin 515</i>	--	54	55	48	56.9	14.5	24
<i>08SB0658-B</i>	--			47	57.9	13.0	27
IDO862T	--			46	60.7	15.5	31
SY605 CL	--		50	45	60.5	15.1	27
LNR10-0551	--			45	58.5	15.0	32
IDO862E	--			44	60.7	15.1	28
C.V. %	--	8	7	9	0.7	3.8	6
LSD (.10)	--	3	3	5	0.4	0.6	2
Average	--	57	61	56	59.9	14.3	31
Highest	--	62	69	71	61.3	15.9	38
Lowest	--	51	50	44	56.9	12.2	24

Fairfield Hard Spring Wheat – Preliminary Data

1. Grain yield in the 2013 Fairfield hard spring wheat trial averaged 56 bushels/acre, equivalent to the 5-year average. The Fairfield nursery was located 4 miles northwest of Fairfield, (L. Green, cooperator).
2. This nursery was seeded on 18 April, 2013 following winter wheat. Seed was placed at a 90#/acre seeding rate using a no-till plot drill equipped with hoe-type openers. Base fertilizer was 114#N/acre applied at planting and a spring soil test showed 158#N/acre. An additional 30#N/acre was top dressed to make protein. Spring seeding conditions and establishment were good.
3. Yields ranged from 44 bu/acre to 71 bu/acre. Yield values within the LSD range of the highest yield are shown in bold and 3 of the 36 entries are in this group. The hard white 'Otis' was the highest yielding entry in the trial and 'BR7030' was highest yielding over 5-years at this location. Fungicide was applied early and stripe rust was not a factor.
4. Test weights averaged 59.9 lbs/bu with a range from 56.9 to 61.3 lbs/bu. Grain protein averaged 14.3% with a range of 12.2 to 15.9%. The average plant height was 31 inches with no lodging.