

2012 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)	2012			
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT
<i>WB Hartline</i>	--	--		72	60.8	11.4	34
Scarlet	--	--	56	70	61.1	12.0	35
Glee (WA 8074)	--	--	59	70	61.8	11.7	34
<i>BR7030</i>	--	--	59	70	62.7	11.7	32
<i>Otis</i>	--	--	56	68	62.4	10.9	38
WA 8167	--	--		68	61.3	12.1	34
LCS-ALbany	--	--		68	61.3	11.9	34
Kelse	--	--	57	66	62.2	13.1	35
LCS-Powerplay	--	--	58	64	62.8	12.7	33
<i>WA 8163</i>	--	--		64	62.7	12.4	33
WA 8166	--	--		64	62.5	11.8	33
<i>WA 8168</i>	--	--		63	61.9	13.1	34
Espresso	--	--		63	61.7	13.9	31
WB-Fuzion	--	--	53	63	61.3	13.1	34
<i>Dayn (WA 8123)</i>	--	--	59	63	62.0	12.0	32
Bullseye	--	--	51	63	63.4	12.4	29
Tara 2002	--	--	59	63	62.0	12.8	36
LCS-Buck Pronto	--	--	55	62	62.1	13.3	34
<i>Patwin 515</i>	--	--	57	62	60.9	12.5	25
<i>Clear White 515</i>	--	--	59	62	60.8	13.4	32
WA 8165	--	--		61	62.9	12.7	45
Jefferson	--	--	50	61	60.9	13.3	33
V272	--	--		60	60.9	11.8	28
<i>IDO694</i>	--	--		60	62.8	12.7	29
Hollis	--	--	55	60	61.0	12.6	44
WA 8164	--	--		59	61.5	13.2	34
Lassik	--	--	56	59	62.2	12.8	29
Hank	--	--	47	58	59.6	12.7	31
Jedd	--	--		57	61.6	12.9	29
SY605 CL	--	--		55	63.0	13.8	35
C.V. %	--	--	7	5	0.3	4.3	4
LSD (.10)	--	--	3	3	0.2	0.6	1
Average	--	--	56	63	61.8	12.6	33
Highest	--	--	59	72	63.4	13.9	45
Lowest	--	--	47	55	59.6	10.9	25

Fairfield Hard Spring Wheat - Preliminary Data

1. Grain yield in the 2012 Fairfield hard spring wheat trial averaged 63 bushels/acre. This was the second year of spring trials at Fairfield. The Fairfield nursery was located about three miles northwest of Fairfield, WA (L. Green, cooperator).

2. This nursery was seeded on 21 April, 2012 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. Fertilizer was applied through the drill at 90#N/acre and a soil test showed 95#N/acre available. Available N should be adequate for expected yield and protein for hard spring wheat, and no supplemental fertilizer was applied. Spring seeding conditions were good.

3. Yields ranged from 72 bu/acre to 55 bu/acre. Yield values within the LSD range of the highest yield are shown in bold and 4 of the 30 entries are in this group. The hard white 'WB Hartline' was the highest yielding entry in this trial. Fungicide was applied 4 July for stripe rust control and there was minimal stripe rust impact in this trial.

4. Test weights averaged 61.8 lbs/bu and ranged from 59.6 to 63.4 lbs/bu. Grain protein averaged 12.6% with a range of 10.9 to 13.9%. The average plant height was 33 inches with no lodging.