

2012 WSU Variety Testing Hard Spring Wheat Trial, Walla Walla

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	HEAD DATE
<i>IDO694</i>				80	61.8	12.6	32	166
Tara 2002	68	73	72	79	60.3	13.0	38	167
Glee (WA 8074)		81	73	78	60.3	12.8	38	169
Hollis	66	71	68	77	60.3	14.5	46	168
WB-Fuzion	64	73	69	76	60.0	14.5	38	167
WA 8165				75	62.3	14.5	46	171
Jefferson	71	74	68	73	59.8	13.2	37	170
WA 8167				73	59.2	13.4	38	172
Bullseye	68	71	71	73	61.8	13.7	34	170
WA 8166				73	59.9	13.9	38	171
SY605 CL				72	61.6	14.4	40	168
LCS-Buck Pronto	72	80	68	71	60.4	13.5	38	168
<i>WB Hartline</i>				71	58.3	12.4	37	171
Scarlet	72	73	69	71	58.5	13.1	38	172
<i>Otis</i>		67	68	71	60.4	11.7	41	172
LCS-Powerplay			66	71	60.8	13.3	37	170
<i>WA 8123</i>		81	70	69	60.0	13.2	34	168
WA 8164				68	59.4	14.2	37	169
LCS-ALbany				67	60.5	12.6	35	177
<i>WA 8168</i>				67	60.1	13.0	38	175
Lassik		73	66	66	59.3	12.7	32	170
Kelse	66	65	66	65	59.1	13.6	38	170
<i>WA 8163</i>				64	61.5	12.7	39	175
<i>BR7030</i>		75	66	63	59.3	13.1	34	168
<i>Clear White 515</i>			63	63	58.1	13.1	35	167
Hank	61	59	61	63	57.1	14.2	35	168
Jedd	61			62	59.6	13.5	32	169
Espresso				62	59.2	13.4	33	170
V272				55	59.5	12.3	31	176
<i>Patwin 515</i>			58	54	56.4	13.0	27	174
C.V. %	7	7	6	5	0.9	4.9	3	0
LSD (.10)	2	3	3	4	0.5	0.7	1	1
Average	67	73	67	69	59.8	13.3	37	170
Highest	72	81	73	80	62.3	14.5	46	177
Lowest	61	59	58	54	56.4	11.7	27	166

Walla Walla Hard Spring Wheat - Preliminary Data

1. Grain yield in the 2012 Walla Walla hard spring wheat trial averaged 69 bushels/acre, 2 bushels/acre higher than the 5-year average. The Walla Walla nursery was located about eight miles northeast of Walla Walla, WA (G. Smith, cooperator).

2. This nursery was seeded on 22 April, 2012 following winter wheat. Seed was placed at an 80#/acre seeding rate using a plot drill equipped with double-disc openers set on 6-inch spacing. Fertilizer was applied pre-plant at 120#N/acre and a soil test showed 106#N/acre available. Total fertilizer should be adequate for hard protein levels based on expected yield. Spring seeding conditions were good.

3. Yields ranged from 54 bu/acre to 80 bu/acre. Yield values within the LSD range of the highest yield are shown in bold and 5 of the 30 entries are in this group. `Tara 2002' was the highest yielding entry in this trial. `Scarlet' and `LCS-Buck Pronto' were the highest yielding over 5 years of results at this site. Fungicide was applied 10 June for stripe rust control.

4. Test weights averaged 59.8 lbs./bu and ranged from 56.4 to 62.3 lbs/bu. Grain protein averaged 13.3% with a range of 11.7 to 14.5%. The average plant height was 37 inches with no lodging.