

2012 WSU Variety Testing Hard Spring Wheat Trial (No Fungicide), Pullman

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
WA 8167	--	--	--	79	61.0	10.8	31	178
<i>WA 8123</i>	--	--	--	78	62.7	10.2	30	177
<i>WA 8163</i>	--	--	--	77	61.4	10.7	32	181
WA 8165	--	--	--	77	62.9	11.4	39	179
<i>WB Harline</i>	--	--	--	77	60.7	10.2	30	177
Scarlet	--	--	--	74	60.8	10.5	32	178
Glee (WA 8074)	--	--	--	73	60.9	10.7	31	175
WA 8166	--	--	--	72	61.8	11.0	32	180
<i>WA 8168</i>	--	--	--	71	62.2	10.9	31	180
SY605 CL	--	--	--	70	60.9	11.4	34	175
Bullseye	--	--	--	70	62.3	10.3	28	177
LCS-Powerplay	--	--	--	69	61.8	10.9	29	177
V272	--	--	--	68	60.4	10.6	25	184
WA 8164	--	--	--	68	61.0	11.3	29	178
<i>IDO694</i>	--	--	--	68	62.1	10.6	26	174
LCS-Buck Pronto	--	--	--	68	60.4	11.3	30	176
Tara 2002	--	--	--	68	60.0	11.2	32	176
Jefferson	--	--	--	67	60.5	11.0	31	177
Kelse	--	--	--	67	61.3	11.9	32	178
<i>Otis</i>	--	--	--	66	61.4	10.4	33	179
<i>BR7030</i>	--	--	--	66	61.4	10.4	28	178
Hollis	--	--	--	66	60.3	11.3	36	177
Espresso	--	--	--	65	61.1	11.8	27	178
Lassik	--	--	--	63	61.0	10.6	26	178
<i>Patwin 515</i>	--	--	--	63	59.7	11.1	22	179
LCS-ALbany	--	--	--	61	60.4	10.8	30	183
WB-Fuzion	--	--	--	56	58.8	11.8	30	175
<i>Clear White 515</i>	--	--	--	52	58.6	12.2	27	174
Jedd	--	--	--	51	57.1	11.2	27	177
Hank	--	--	--	49	56.3	11.6	29	177
C.V. %	--	--	--	4	1.1	3.8	4	0
LSD (.10)	--	--	--	3	0.7	0.4	1	1
Average	--	--	--	67	60.7	11.0	30	178
Highest	--	--	--	79	62.9	12.2	39	184
Lowest	--	--	--	49	56.3	10.2	22	174

Pullman Hard Spring Wheat

1. This summary includes duplicate hard spring wheat trials except one was sprayed with fungicide and the other was not sprayed. Grain yield in these 2012 Pullman hard spring wheat trials averaged 72 bushels/acre, 10 bushels/acre higher than the 5-year average in the fungicide sprayed trial, and the non-sprayed trial averaged 67 bushels/acre. The Pullman trial was located about two miles south of Pullman, WA on the WSU Spillman Experimental farm.
2. These trials were seeded on 25 April, 2012 following winter barley. Seed was placed at a 90#/acre seeding rate using a double-disc plot drill set on 6-inch spacing. Base fertilizer was 100#N/acre applied pre-plant and a soil test showed 72#N/acre available, an additional 46#N/acre was applied to make protein in these hard trials based on yield projection. Spring seeding conditions were good and establishment was uniform. Quilt® fungicide at 14 oz/acre was applied 11 June to the sprayed trial and stripe rust levels were low to moderate.
3. In the sprayed trial, yields ranged from 55 bu/a to 81 bu/a, while in the non-sprayed trial, yields ranged from 49 to 79 bu/a. Yield values within the LSD range of the highest yield are shown in bold and 6 of the 30 entries are in this group in the sprayed and 5 of the 30 are in the top group in the non-sprayed. 'Otis', 'Glee' and 'Bullseye' were the highest yielding named entries in the sprayed trial and 'LCS-Buck Pronto' was the highest yielding over 5 years of results at this site. The hard white 'WB Hartline' was the highest yielding named variety in the non-sprayed trial. Yields in both trials and the difference in yield and percentage difference between sprayed and non-sprayed for each entry are in a separate comparison table. Yield advantage in the sprayed trial averaged 5 bu/acre and ranged from -2 to 14 bu/a.
4. Test weights averaged 61.0 lbs/bu and ranged from 58.1 to 62.9 lbs/bu in the sprayed trial, and averaged 60.7 lbs/bu and ranged from 56.3 to 62.9 lbs/bu in the non-sprayed trial. Grain protein averaged 11.4% with a range of 10.4 to 12.7% in the sprayed trial, and protein averaged 11.0% with a range of 10.2 to 12.2% in the non-sprayed trail. The average plant height was 30 inches in both trials and there was no lodging in either trial.