

2009 WSU EXTENSION HARD SPRING WHEAT NURSERY AT PULLMAN, WA.

Variety Name <i>*HDVWH Italized</i>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2009				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
<i>WA008079</i>				80	61.2	12.7	37	174
<i>WA008100</i>				78	62.8	12.4	35	179
<i>WA008078</i>				72	61.5	14.0	35	174
<i>OTIS</i>				70	62.5	13.3	34	175
BULLSEYE			67	69	63.1	14.9	27	175
<i>WA008101</i>				69	61.6	13.0	35	172
SCARLET	65	72	68	68	60.0	15.6	32	174
WA008074				68	62.0	14.8	32	174
LASSIK				68	62.0	14.8	27	176
<i>BZ903-445WP</i>				67	61.1	14.4	31	174
BUCK PRONTO	67	69	65	65	60.7	16.2	32	172
UI WINCHESTER			67	65	62.0	14.8	31	173
HOLLIS	66	66	63	64	61.1	15.9	41	174
JEFFERSON	68	69	65	64	61.8	15.7	31	173
KELSE		71	67	64	61.1	15.4	33	175
NPBHR70			64	62	60.7	15.7	31	173
<i>MACON</i>				61	61.4	12.9	31	174
TARA 2002	71	70	67	61	61.3	15.1	34	172
WESTBRED 926	67	67	64	61	60.2	15.8	31	172
HANK	69	69	65	61	60.6	15.0	30	173
WA008076				61	61.8	15.3	40	172
OR4990114				61	61.2	14.7	30	172
JEDD		68	65	60	62.2	14.9	26	172
VOLT		67	63	59	62.8	14.7	29	177
<i>CLEAR WHITE</i>				59	60.8	13.4	27	172
WA008027		70	66	59	60.7	16.3	36	175
<i>RSII0348W</i>				59	61.6	14.0	27	172
WA008075				59	61.6	15.9	33	173
WA008072				59	61.7	15.3	30	173
<i>BLANCA GRANDE</i>				53	62.2	14.6	27	170
C.V. %	6	7	7	10	0.8	2.3	4	0
LSD '@ .10'	2	4	5	9	0.7	0.5	2	1
Average	68	69	65	64	61.5	14.7	32	174
Highest	71	72	68	80	63.1	16.3	41	179
Lowest	65	66	63	53	60.0	12.4	26	170

1. Grain yield in the Pullman hard spring wheat trial averaged 64 bu/ac, 4 bu/ac lower than the average 5-year yield for this location. The Pullman nursery was located about 2 miles south of Pullman, WA on the Spillman WSU Agronomy Farm (Ryan Davis, farm manager).
2. This nursery was seeded on 21 April, 2009 following dry pea. Seed was placed at an 80#/acre seeding rate using a double disc plot drill set on 6-inch spacing. Base fertilizer was applied at 90#N, 20#P and 20#S per acre, and a spring soil test showed adequate available nutrients for hard wheat. Spring seeding conditions were good and spring rain made the early outlook good for the spring crop. The alpha lattice experimental designs improved variation allocation during statistical analysis and the CV by 34% compared to an RCBD design.
3. Yields ranged from 53 bu/ac to 80 bu/ac, with a CV of 10%. Yield values within the LSD range of the highest yield are shown in bold and 3 of the 30 entries are in this group. Hard white entries are listed in italicized print.
4. Test weights were good with an average of 61.5 lb/bu. Grain protein was high and averaged 14.7% with a range of 12.4% to 16.3%. The average plant height was 32 inches. No lodging occurred.