

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

Variety Name *HDVH Italized	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>BZ903-445WP</i>				102	60.2	12.5	33	165
<i>WA008079</i>				100	61.0	11.5	40	165
<i>OTIS</i>				95	61.3	11.5	40	165
<i>WA008101</i>				95	61.0	12.0	38	163
<i>WA008078</i>				92	61.5	12.7	37	163
BULLSEYE			63	92	62.5	12.7	30	165
KELSE		60	68	89	61.1	14.0	35	165
<i>WA008100</i>				89	61.1	11.3	36	166
SCARLET	55	62	69	88	59.6	13.7	35	164
JEFFERSON	55	60	67	88	60.7	13.8	34	165
HANK	58	58	65	88	60.4	13.5	33	163
VOLT		55	60	88	61.9	12.8	31	166
LASSIK				88	60.9	12.7	29	165
<i>MACON</i>				87	61.0	12.0	35	163
TARA 2002	58	57	62	87	60.6	14.1	36	161
JEDD		55	61	87	62.4	12.9	29	162
<i>CLEAR WHITE</i>				86	61.1	12.1	30	162
WA008027		56	62	85	61.4	14.7	39	165
<i>RSII0348W</i>				85	61.7	12.4	29	162
UI WINCHESTER			62	85	61.7	13.3	32	162
WA008072				85	61.2	13.5	32	163
WA008074				84	61.2	13.7	33	162
WESTBRED 926	53	54	58	83	60.4	14.2	32	161
BUCK PRONTO	53	56	60	82	60.4	15.2	32	161
WA008076				82	61.3	14.5	44	162
NPBHR70			60	81	60.3	14.3	31	161
OR4990114				81	60.5	12.9	32	163
WA008075				80	61.9	14.4	34	162
<i>BLANCA GRANDE</i>				79	62.9	13.8	28	160
HOLLIS	53	54	58	79	60.8	14.4	43	164
C.V. %	8	5	5	4	0.6	2.4	4	0
LSD '@ .10'	3	3	4	5	0.5	0.4	2	1
Average	55	57	63	87	61.1	13.2	34	163
Highest	58	62	69	102	62.9	15.2	44	166
Lowest	53	54	58	79	59.6	11.3	28	160

1. Grain yield in the Walla Walla hard spring wheat trial averaged 87 bu/ac, 32 bu/ac higher than the average 5-year yield for this location. The Walla Walla nursery was located about 5 miles south of Waitsburg, WA (Glen Smith, cooperator).
2. This nursery was seeded on 16 April, 2009 following winter wheat. Seed was placed at an 80#/acre seeding rate using a no-till plot drill equipped with Cross-Slot openers set on 10-inch spacing. Base fertilizer was applied at 110#N, 15#P and 15#S per acre, and a spring soil test showed adequate available nutrients for hard wheat. Spring seeding conditions were rated 8 on a 1-10 scale 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 56% compared to an RCBD design. Yield values within the LSD range of the highest yield are shown in bold and 2 of the 30 entries are in this group. Hard white entries are listed in italicized print.
3. Yields ranged from 79 bu/ac to 102 bu/ac. The CV was very good at 4%.
4. Test weights were good with an average of 61.1 lb/bu. Grain protein was good and averaged 13.2% with a range of 11.3% to 15.2%. The average plant height was 34 inches.