

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

Variety Name <i>*HDVH 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>OTIS</i>				88	61.6	11.8	35	183
<i>WA008078</i>				85	61.2	12.9	32	180
UI WINCHESTER			65	85	60.9	13.5	29	181
TARA 2002	73	74	68	84	60.9	14.2	33	179
SCARLET	70	72	65	83	60.0	14.5	30	182
<i>WA008101</i>				83	61.1	12.3	32	181
<i>WA008079</i>				82	60.2	11.9	33	183
BULLSEYE			63	82	62.6	13.9	28	182
JEFFERSON	70	71	63	81	61.0	14.3	29	182
<i>WA008074</i>				81	61.2	13.9	31	183
<i>WA008100</i>				81	61.4	12.0	33	186
<i>MACON</i>				80	59.4	12.5	31	181
WESTBRED 926	74	71	64	80	60.2	14.4	30	180
WA008027		71	62	80	60.7	15.4	34	182
<i>RS110348W</i>				80	59.5	13.2	27	180
<i>BZ903-445WP</i>				79	59.2	13.0	30	183
HOLLIS	67	66	61	78	60.7	15.2	37	181
HANK	72	71	62	77	59.1	13.8	29	181
NPBHR70			61	77	60.0	14.5	29	181
<i>WA008072</i>				77	60.4	14.1	28	183
LASSIK				77	60.6	13.7	26	184
JEDD		73	67	76	61.4	13.2	27	180
<i>WA008075</i>				76	61.0	14.8	31	185
BUCK PRONTO	71	68	58	75	59.8	15.1	30	179
VOLT		66	61	75	61.2	14.5	28	186
OR4990114				75	59.7	13.5	30	180
KELSE		66	58	73	60.8	14.6	32	182
<i>CLEAR WHITE</i>				73	60.0	12.6	26	179
<i>WA008076</i>				72	61.5	14.2	35	179
<i>BLANCA GRANDE</i>				62	61.0	14.5	26	179
C.V. %	7	8	6	7	0.9	3.0	4	1
LSD '@ .10'	3	4	4	7	0.7	0.6	2	2
Average	71	70	63	79	60.6	13.7	30	182
Highest	74	74	68	88	62.6	15.4	37	186
Lowest	67	66	58	62	59.1	11.8	26	179

1. Grain yield in the Farmington hard spring wheat trial averaged 79 bu/ac, 8 bu/ac higher than the 5-year yield average for this location. The Farmington nursery was located about 4 miles south of Farmington, WA (Bruce Nelson, cooperator).
2. This nursery was seeded on 4 May, 2009 following winter wheat. 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 115#N and 17#S per acre, and a spring soil test showed that 40#N and 6#S additional fertilizer was needed for the hard wheat trial to meet university fertilization guidelines. Spring seeding conditions were good with moisture rated 9 out of 10 and spring rain made the early outlook good for the spring crop. For grain yield, the alpha lattice experimental design improved variation allocation during statistical analysis and the CV by 43% compared to an RCBD design.
3. Yields ranged from 62 bu/ac to 88 bu/ac, with a CV of 7%. Yield values within the LSD range of the highest yield are shown in bold and 10 of the 30 entries are in this group. Hard white entries are listed in italicized print.
4. Average test weights were 60.6 lb/bu. Grain protein was good and averaged 13.7% with a range of 11.8% to 15.4%. The average plant height was 30 inches. No lodging occurred.