

2009 WSU EXTENSION HARD SPRING WHEAT NURSERY AT MAYVIEW, 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>				61	61.0	12.8	29	177
<i>OTIS</i>				60	61.3	13.4	30	177
SCARLET	46	54	55	60	59.1	14.2	29	174
<i>BZ903-445WP</i>				58	60.3	13.8	26	175
BULLSEYE			53	56	62.9	14.1	24	173
VOLT		53	53	54	61.9	14.7	26	178
UI WINCHESTER			51	54	61.4	14.5	24	171
LASSIK				54	61.3	14.7	23	174
<i>MACON</i>				53	60.8	13.1	26	173
<i>RSII0348W</i>				53	61.8	13.9	23	170
<i>WA008101</i>				53	61.1	13.5	30	175
JEFFERSON	48	53	51	52	60.9	14.9	25	174
WA008074				52	61.5	14.5	26	176
<i>WA008100</i>				52	61.4	13.1	28	179
HANK	45	50	50	51	60.3	14.9	24	171
BUCK PRONTO	46	51	51	51	60.1	16.2	26	171
JEDD		51	51	51	62.0	14.9	23	171
<i>WA008078</i>				51	61.3	14.1	27	173
HOLLIS	41	48	49	48	60.2	15.8	31	174
WESTBRED 926	45	49	47	48	60.2	15.8	25	170
NPBHR70			48	48	60.1	14.9	25	173
TARA 2002	45	51	50	47	61.0	15.3	27	170
KELSE		50	51	47	60.9	15.4	28	175
<i>CLEAR WHITE</i>				47	61.1	13.1	24	169
OR4990114				47	60.5	14.9	25	175
WA008027		48	47	46	60.4	16.6	29	177
WA008075				46	61.1	16.1	25	174
WA008072				46	60.7	15.3	25	175
<i>BLANCA GRANDE</i>				44	62.7	14.9	23	169
WA008076				43	60.9	15.3	32	171
C.V. %	6	6	6	7	0.9	2.7	4	1
LSD '@ .10'	2	2	3	5	1.3	0.6	2	1
Average	45	51	50	51	61.0	14.6	26	173
Highest	48	54	55	61	62.9	16.6	32	179
Lowest	41	48	47	43	59.1	12.8	23	169

1. Grain yield in the Mayview hard spring wheat trial averaged 51 bu/ac, 6 bu/ac higher than the average 5-year yield for this location. The Mayview nursery was located about 5 miles south of the Lower Granite Dam on the Snake River, WA or 12 miles northeast of Pomeroy, WA (Roger and Randy Koller, cooperators).
2. This nursery was seeded on 24 April, 2009 following winter wheat. Seed was placed at a 70#/acre seeding rate using a double disc plot drill set on 6-inch spacing. Base fertilizer was applied at 64#N and 10#S per acre, and a spring soil test showed that an additional 20#N and 3#S fertilizer was needed for the hard wheat trial to meet university fertilization guidelines and it was applied at seeding. Spring seeding moisture conditions were rated 4 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 102% compared to an RCBD design.
3. Yields ranged from 43 bu/ac to 61 bu/ac, with a CV of 7%. Yield values within the LSD range of the highest yield are shown in bold and 5 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 61.0 lb/bu. Grain protein was good and averaged 14.6% with a range of 12.8% to 16.6%. The average plant height was 26 inches. No lodging occurred.