

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

Variety Name <i>*HDVWH Italicized</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
SCARLET	50	46	45	57	59.7	15.3	30	169
<i>OTIS</i>				55	61.3	13.3	32	169
<i>WA008078</i>				50	59.8	14.1	29	166
<i>BZ903-445WP</i>				50	60.0	13.8	26	167
BUCK PRONTO	47	38	36	48	59.1	17.6	26	164
<i>WA008100</i>				48	60.8	13.4	27	173
<i>CLEAR WHITE</i>				47	59.7	13.1	24	164
<i>WA008079</i>				47	60.8	13.0	29	167
LASSIK				47	60.2	15.0	24	167
<i>WA008101</i>				47	60.5	13.0	29	166
HOLLIS	51	40	37	45	60.6	16.0	30	166
<i>RS110348W</i>				44	60.0	13.9	24	164
NPBHR70			36	44	59.5	15.9	26	166
<i>MACON</i>				43	59.9	13.0	28	165
JEFFERSON	50	39	36	43	60.4	15.2	24	167
HANK	48	38	37	43	59.8	14.4	26	166
KELSE		38	36	43	59.6	15.5	29	166
WESTBRED 926	46	37	36	42	59.4	15.9	25	164
BULLSEYE			33	41	61.1	13.9	24	166
<i>WA008074</i>				41	60.4	14.7	27	166
UI WINCHESTER			33	40	60.5	15.1	24	165
TARA 2002	45	37	33	39	59.4	15.6	28	164
VOLT		33	32	38	60.1	14.5	24	169
<i>WA008027</i>		34	32	38	60.0	16.4	30	168
<i>WA008076</i>				37	60.5	15.5	33	164
<i>WA008075</i>				36	60.7	15.6	27	165
<i>WA008072</i>				36	60.0	15.3	24	166
OR4990114				36	59.7	15.4	25	165
<i>BLANCA GRANDE</i>				33	60.6	14.6	22	164
JEDD		33	30	33	60.9	15.3	22	166
C.V. %	10	9	9	10	0.8	3.7	6	0
LSD '@ .10'	3	3	3	6	0.6	0.8	2	1
Average	48	37	35	43	60.2	14.8	27	166
Highest	51	46	45	57	61.3	17.6	33	173
Lowest	45	33	30	33	59.1	13.0	22	164

1. Grain yield in the Lamont hard spring wheat trial averaged 43 bu/ac, 5 bu/ac lower than the average 5-year yield for this location. The Lamont nursery was located about 4 miles southeast of Lamont, WA (Gil White, cooperator).
2. This nursery was seeded on 15 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 70#N and 10#S per acre, and a spring soil test showed more than 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 307% compared to an RCBD design.
3. Yields ranged from 33 bu/ac to 57 bu/ac, with a CV of 10%. 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.
4. Test weights were good with an average of 60.2 lb/bu. Grain protein was high and averaged 14.8% with a range of 13.0% to 17.6%. The average plant height was 27 inches.