

2009 WSU EXTENSION HARD SPRING WHEAT NURSERY AT REARDAN, 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>WA008101</i>				62	62.0	13.6	38	173
<i>WA008078</i>				60	61.7	14.8	35	173
<i>WA008079</i>				60	62.0	13.8	37	174
<i>WA008100</i>				59	61.5	13.6	38	178
<i>OTIS</i>				56	62.6	14.1	36	174
<i>BZ903-445WP</i>				56	60.7	15.2	34	175
<i>MACON</i>				54	61.8	13.8	35	173
<i>CLEAR WHITE</i>				54	62.0	13.6	30	169
HANK	49	39	41	51	61.2	15.6	32	174
JEFFERSON	47	37	42	50	61.6	16.0	34	174
<i>RSII0348W</i>				50	62.1	14.8	31	170
WA008072				50	61.9	16.1	33	173
JEDD		39	41	49	62.9	15.1	29	172
VOLT		41	43	49	61.7	15.5	31	176
BULLSEYE			43	49	63.2	14.9	30	174
UI WINCHESTER			41	49	62.0	15.1	32	172
WA008074				49	61.9	15.3	35	173
KELSE		41	43	48	61.6	16.1	35	175
SCARLET	45	38	42	47	61.1	15.8	34	175
TARA 2002	46	35	34	47	60.9	15.7	36	169
WESTBRED 926	47	37	38	47	60.5	16.0	32	172
BUCK PRONTO	46	37	40	47	60.9	17.1	32	169
WA008027		37	43	47	60.8	16.5	38	176
WA008076				47	62.1	16.0	40	170
WA008075				47	62.1	16.2	35	171
HOLLIS	46	37	38	45	61.1	15.7	41	175
NPBHR70			36	45	60.7	15.9	34	174
<i>BLANCA GRANDE</i>				44	61.9	15.6	31	168
OR4990114				44	61.9	15.7	31	171
LASSIK				40	61.2	15.0	30	174
C.V. %	8	9	9	10	0.5	2.9	4	1
LSD '@ .10'	2	3	4	7	0.4	0.6	2	2
Average	46	38	40	50	61.7	15.3	34	173
Highest	49	41	43	62	63.2	17.1	41	178
Lowest	45	35	34	40	60.5	13.6	29	168

1. Grain yield in the Reardan hard spring wheat trial averaged 50 bu/ac, 4 bu/ac higher than the average 5-year yield for this location. The Reardan nursery was located about 7 miles west of Reardan, WA (Hal Johnson, cooperator).
2. This nursery was seeded on 17 April, 2009 following winter wheat. Seed was placed at an 80#/acre seeding rate using a no-till plot drill fitted with Cross-slot openers set on 10-inch spacing. Base fertilizer included 65#N and 5#S applied in the fall and 20#N, 4#P, and 4#S per acre applied in the spring, and a spring soil test showed an additional 40#N, 7#P, and 7#S of fertilizer was needed and applied at planting for this hard trial. The alpha lattice experimental designs improved variation allocation during statistical analysis and the CV by 37% compared to an RCBD design.
3. Yields ranged from 40 bu/ac to 62 bu/ac, with a CV of 10%. Yield values within the LSD range of the highest yield are shown in bold and 6 of the 30 entries are in this group. Hard white entries are listed in italicized print and the eight top yielding cultivars are hard whites cultivars.
4. Test weights were good with an average of 61.7 lb/bu. Grain protein averaged 15.3% with a range of 13.6% to 17.1%. The average plant height was 34 inches.