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

Variety Name *HDWH Italized	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2009 YIELD (BU/A)	2009 TEST WT (LBS/BU)	2009 PROTEIN (%)	2009 PLANT HT	2009 HEAD DATE
SCARLET	52	52	55	**56**	58.4	15.4	32	174
CLEAR WHITE				**55**	60.1	13.2	28	170
WA008078				**55**	59.9	14.2	32	172
WA008079				**55**	60.1	13.2	34	173
LASSIK				**55**	60.2	13.9	27	174
BZ903-445WP				**54**	58.8	14.4	29	173
JEFFERSON	50	48	51	**53**	59.2	15.1	29	173
WA008100				**52**	58.7	13.7	33	177
HOLLIS	49	46	49	51	59.6	15.8	36	174
HANK	51	47	51	51	59.2	15.6	30	172
BULLSEYE			51	51	**61.3**	14.6	27	175
KELSE		50	54	50	60.0	16.1	33	174
UI WINCHESTER			49	50	**60.7**	15.6	28	171
WA008076				50	60.6	15.4	38	168
WA008074				50	60.3	15.1	31	173
TARA 2002	50	48	51	49	59.3	15.7	32	170
VOLT		47	51	49	60.3	14.5	28	176
NPBHR70			48	49	59.2	16.0	30	171
JEDD		46	50	48	60.5	14.9	26	171
WA008027		48	53	48	59.5	16.6	33	175
WA008072				48	60.2	15.7	30	172
WESTBRED 926	50	46	51	47	59.4	16.0	29	170
RSI10348W				47	59.6	14.1	29	170
WA008075				47	**60.8**	16.4	31	171
WA008101				47	59.4	13.1	33	172
OTIS				46	59.8	13.8	34	175
MACON				45	58.5	13.5	30	172
BLANCA GRANDE				44	**61.3**	14.7	27	169
OR4990114				43	59.5	15.3	28	171
BUCK PRONTO	47	42	45	42	58.9	16.7	29	169
C.V. %	9	10	8	8	0.9	2.2	4	1
LSD '@ .10'	3	4	4	5	0.7	0.4	2	2
Average	50	47	51	50	59.8	14.9	31	172
Highest	52	52	55	56	61.3	16.7	38	177
Lowest	47	42	45	42	58.4	13.1	26	168

1. Grain yield in the Almira hard spring wheat trial averaged 50 bu/ac, equal to the average 5-year yield for this location. The Almira nursery was located about 10 miles north of Almira, WA (Dan McKay, cooperator).
2. This nursery was seeded on 20 April, 2009 following summer fallow. Seed was placed at a 60#/acre seeding rate using a double disc plot drill set on 6-inch spacing. Base fertilizer was applied in the fall as 80#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 7 on a 1-10 scale and spring rain made the outlook good for the spring crop. The alpha lattice experimental designs improved variation allocation during statistical analysis and the CV by 51% compared to an RCBD design.
3. Yields ranged from 42 bu/ac to 56 bu/ac, with a CV of 8%. Yield values within the LSD range of the highest yield are shown in bold and 11 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 59.8 lb/bu. Grain protein averaged 14.9% with a range of 13.1% to 16.7% and is high due to the high available N at this site. The average plant height was 31 inches.