

2010 WSU EXTENSION HARD SPRING WHEAT NURSERY AT ALMIRA, WA.

Variety Name *HDVH Italized	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2010				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
<i>CLEAR WHITE</i>			57	58	54.6	16.2	31	171
WB-FUZION		57		58	52.8	17.1	38	169
HANK	54	52	53	56	51.9	16.2	33	172
WESTBRED 926	53	52	51	55	52.0	17.1	35	171
BUCK PRONTO	51	48	48	53	53.3	17.8	35	168
IDO667				53	54.0	16.7	34	174
BULLSEYE		51	52	52	54.7	16.2	32	174
JEFFERSON	53	51	52	51	53.0	17.9	36	174
UI WINCHESTER		49	50	51	51.8	16.7	33	172
WA008074			50	51	51.6	17.5	36	173
<i>BR7030</i>				50	51.0	15.9	34	174
TARA 2002	53	50	49	49	50.9	16.5	38	170
KELSE	53	53	50	49	51.9	17.4	38	175
<i>WA008122</i>				49	52.0	15.3	38	176
IDO665				49	50.7	17.1	34	173
HOLLIS	51	49	49	48	52.6	16.8	45	175
<i>MACON</i>			46	47	50.8	15.7	36	174
LASSIK			51	46	50.8	16.3	30	175
<i>WA008123</i>				46	53.0	16.2	35	173
OR4990114			43	44	49.0	16.2	33	173
SCARLET	54	51	50	43	47.7	17.4	37	175
<i>PATWIN</i>				42	47.3	15.3	31	177
<i>WA008100</i>			47	42	50.6	17.7	40	177
<i>OTIS</i>			43	40	51.6	17.1	41	176
C.V. %	9	8	9	10	3.4	8.1	3	1
LSD '@ .10'	3	3	4	7	2.4	1.9	2	1
Average	53	51	49	49	51.7	16.7	36	173
Highest	54	57	57	58	54.7	17.9	45	177
Lowest	51	48	43	40	47.3	15.3	30	168

Almira Hard Spring Wheat – Preliminary Data

1. Grain yield in the Almira hard spring wheat trial averaged 49 bushels/acre, 4 bushel/acre lower than the 5-year average. The Almira nursery was located 7 miles north of Almira, WA (Dan McKay, cooperator).

2. This nursery was seeded on 7 April, 2010 following spring wheat. Seed was placed at a 60#/acre seeding rate using a double disk plot drill set on 6-inch spacing. Base applied fertilizer was 35#N/acre and an early spring soil test showed an additional 119#N/acre in the top 4 foot profile. An additional 20#N/acre was applied in this hard trial to increase hard protein values based on projected yields at this location. Spring seeding conditions were good and early spring conditions were favorable for plant growth. Before grain filling, precipitation stopped and the large plants that grew when conditions were favorable ran out of water and produced poor yields, very low test weights, and high protein. Stripe rust infestation was moderate and had effects on susceptible cultivars at this location.

3. Yields ranged from 40 bu/ac to 58 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and 7 of the 24 entries are in this group. Clear White and WB-Fusion were the highest yielding varieties in the trial. The lattice RCBD experimental design improved variation allocation during statistical analysis and the CV by 159% for yield.

4. Test weights were very low and averaged 51.7 lb/bu and ranged from 47.3 to 54.7 lb/bu. Grain protein was very high and averaged 16.7%. The average plant height was 36 inches. Earlier varieties tended to be favored in this trial.