

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

Variety Name *HDWH 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
<i>CLEAR WHITE</i>			46	45	52.5	15.3	30
<i>BR7030</i>				43	52.2	14.6	32
BULLSEYE		50	50	43	55.9	15.9	31
WB-FUZION		44		39	50.7	16.2	34
TARA 2002	45	46	42	38	50.4	15.6	34
WESTBRED 926	45	44	43	38	49.0	16.9	31
LASSIK			46	38	51.5	15.9	28
IDO665				38	51.1	15.5	31
HANK	45	46	44	37	49.6	16.6	32
<i>PATWIN</i>				37	49.7	16.2	28
IDO667				37	52.5	16.2	32
UI WINCHESTER		46	45	36	49.4	16.9	31
WA008074			44	36	51.2	16.7	32
JEFFERSON	48	46	44	35	51.0	16.6	33
KELSE	45	45	41	35	51.1	17.0	35
<i>WA008122</i>				34	51.2	15.4	37
BUCK PRONTO	45	45	42	33	49.6	18.1	32
SCARLET	46	47	46	32	48.9	16.4	35
HOLLIS	43	43	40	32	52.0	16.6	43
OR4990114			39	32	50.8	15.5	31
<i>MACON</i>			42	31	48.5	15.7	33
<i>WA008123</i>				31	51.7	16.5	32
<i>OTIS</i>			43	26	50.7	16.6	36
<i>WA008100</i>			39	26	48.8	17.4	37
C.V. %	7	8	9	11	3.2	5.8	4
LSD '@ .10'	2	3	4	6	2.2	1.3	2
Average	45	46	43	36	50.8	16.3	33
Highest	48	50	50	45	55.9	18.1	43
Lowest	43	43	39	26	48.5	14.6	28

Mayview Hard Spring Wheat – Preliminary Data

1. Grain yield in the Mayview hard spring wheat trial averaged 36 bushels/acre, 9 bushels/acre lower than the 5-year average for this site. The Mayview nursery was located about four miles south of Lower Granite Dam on the Snake River, or 12 miles northeast of Pomeroy, WA (R.&R. Koller, cooperators).
2. This nursery was seeded on 16 April, 2010 following winter wheat. Seed was placed at a 70#/acre seeding rate using a double-disc drill set on 6-inch spacing. Base applied fertilizer was 70#N/acre and an early spring soil test showed an additional 106#N/acre in the top 4 foot profile that should be adequate for hard wheat protein at anticipated yield level for this location. Spring seeding and growing conditions were good, but early growth potential did not make yield because of dry conditions during grain filling. There was low stripe rust.
3. Yields ranged from 26 bu/ac to 45 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and 3 of the 24 entries are in this group. The hard white variety Clear White was highest yielding. The lattice RCBD experimental design improved variation allocation during statistical analysis by 93% for yield.
4. Test weights were very low averaging 50.8 lb/bu and ranged from 48.5 to 55.9 lb/bu. Grain protein was high and averaged 16.3% with a range of 14.6 to 18.1%. The average plant height was 33 inches