

2010 WSU EXTENSION HARD SPRING WHEAT NURSERY AT FARMINGTON, 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>BR7030</i>				79	55.5	14.1	38	176
WA008074			79	77	55.3	14.9	40	175
<i>CLEAR WHITE</i>			75	76	56.4	13.7	33	173
<i>WA008100</i>			78	75	57.1	13.6	43	180
BUCK PRONTO	72	63	74	73	55.1	15.8	39	171
<i>WA008123</i>				73	55.5	14.7	40	175
<i>PATWIN</i>				72	51.7	15.3	33	178
UI WINCHESTER		67	78	71	55.3	14.7	37	175
JEFFERSON	71	65	75	70	55.7	14.8	41	176
BULLSEYE		65	75	69	56.1	15.5	35	177
WB-FUZION		57		68	56.1	14.1	40	173
HOLLIS	68	62	71	64	56.0	14.9	50	178
KELSE	67	60	69	64	54.1	16.3	41	178
LASSIK			70	63	53.0	15.2	33	178
OR4990114			69	63	55.1	13.4	37	176
WESTBRED 926	72	63	71	62	52.6	15.5	37	174
SCARLET	71	64	71	60	52.4	16.1	43	179
TARA 2002	72	65	71	59	53.9	14.7	38	173
<i>WA008122</i>				59	54.3	14.3	43	178
<i>OTIS</i>			72	56	56.4	13.9	45	179
<i>MACON</i>			67	55	53.4	13.8	37	175
HANK	70	59	65	53	52.7	14.7	36	175
IDO667				51	55.1	14.7	38	176
IDO665				50	51.6	15.3	37	176
C.V. %	9	9	9	12	3.6	7.0	3	1
LSD '@ .10'	4	4	6	11	2.7	1.4	1	1
Average	70	63	72	65	54.6	14.8	39	176
Highest	72	67	79	79	57.1	16.3	50	180
Lowest	67	57	65	50	51.6	13.4	33	171

Farmington Hard Spring Wheat – Preliminary Data

1. Grain yield in the Farmington hard spring wheat trial averaged 65 bushels/acre, 5 bushels/acre lower than the 5-year average for this site. The Farmington nursery was located about one mile south of Farmington, WA (Bruce Nelson, cooperator).
2. This nursery was seeded on 24 March, 2010 following winter wheat. Seed was placed at an 80#/acre seeding rate using a double-disc drill set on 6-inch spacing. Base applied fertilizer was 115#N/acre and an early spring soil test showed an additional 106#N/acre in the top 4 foot profile, and another 40#N/acre was applied to the hard trial for protein enhancement based on historic yields. Spring seeding and growing conditions were good, but there was significant water stress and stripe rust late in the season.
3. Yields ranged from 50 bu/ac to 79 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and 10 of the 24 entries are in this group. The hard white variety Clear White was the highest yielding named entry. The lattice RCBD experimental design improved variation allocation during statistical analysis by 70% for yield.
4. Test weights were low averaging 54.6 lb/bu and ranged from 51.6 to 57.1 lb/bu. Grain protein averaged 14.8% with a range of 13.4 to 16.3%. The average plant height was 39 inches.