

## 2010 WSU EXTENSION HARD SPRING WHEAT NURSERY AT COLFAX, 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>WA008123</i>	--	--	--	77	<b>60.1</b>	13.1	37
<i>WA008100</i>	--	--	--	<b>75</b>	<b>60.8</b>	11.4	41
BUCK PRONTO	--	--	--	71	<b>59.1</b>	14.5	36
<i>PATWIN</i>	--	--	--	<b>68</b>	56.1	13.7	30
LASSIK	--	--	--	65	57.4	13.9	31
WA008074	--	--	--	63	<b>58.7</b>	13.8	34
<i>BR7030</i>	--	--	--	62	57.8	13.7	34
SCARLET	--	--	--	62	57.8	13.7	39
<i>CLEAR WHITE</i>	--	--	--	60	<b>59.6</b>	11.9	33
UI WINCHESTER	--	--	--	56	58.0	14.1	33
BULLSEYE	--	--	--	54	<b>60.0</b>	13.2	32
JEFFERSON	--	--	--	52	57.1	14.2	36
KELSE	--	--	--	48	57.9	14.6	36
<i>WA008122</i>	--	--	--	46	57.6	12.9	36
WESTBRED 926	--	--	--	45	55.3	14.9	33
HOLLIS	--	--	--	43	57.9	14.5	41
OR4990114	--	--	--	43	56.5	13.1	31
<i>OTIS</i>	--	--	--	42	<b>58.7</b>	12.6	37
WB-FUZION	--	--	--	42	56.0	13.6	36
TARA 2002	--	--	--	38	55.4	13.7	36
<i>MACON</i>	--	--	--	37	55.3	13.4	32
IDO665	--	--	--	32	53.4	13.8	33
HANK	--	--	--	27	51.3	14.9	32
IDO667	--	--	--	24	55.1	14.0	31
C.V. %	--	--	--	15	2.8	5.3	4
LSD '@ .10'	--	--	--	10	2.2	1.0	2
Average	--	--	--	51	57.2	13.6	35
Highest	--	--	--	77	60.8	14.9	41
Lowest	--	--	--	24	51.3	11.4	30

### Colfax Hard Spring Wheat – Preliminary Data

1. Grain yield in the Colfax hard spring wheat trial averaged 51 bushels/acre and this was the first year for this location. The Colfax nursery was located about 3 miles west of Palouse between Colfax and Palouse (Craig Walters, cooperator).
2. This nursery was seeded on 15 April, 2010 following chickpea. Seed was placed at an 80#/acre seeding rate using a no-till drill equipped with Cross-Slot openers set on 10-inch spacing. Base applied fertilizer was 20#N/acre and an early spring soil test showed 230#N/acre in the top 4 foot profile. An additional 10#N/acre was added for hard spring wheat protein at projected yield levels. Spring seeding and growing conditions were good, but stripe rust was severe, especially for susceptible cultivars.
3. Yields ranged widely from 24 bu/ac to 77 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and 4 of the 24 entries are in this group. Buck Pronto was highest yielding named variety. The lattice RCBD experimental design improved variation allocation during statistical analysis by 20% for yield.
4. Test weights averaged 57.2 lb/bu and ranged from 51.3 to 60.8 lb/bu. Grain protein averaged 13.6% with a range of 11.4 to 14.9%. The average plant height was 35 inches.