

2010 WSU EXTENSION HARD SPRING WHEAT NURSERY AT BICKLETON, 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 (%)
WESTBRED 926	--	29	27	34	52.1	15.5
WB-FUZION	--	34		33	54.4	14.2
TARA 2002	--	27	25	29	54.1	14.7
HANK	--	29	27	29	53.2	15.0
WA008074	--		26	29	54.3	14.8
IDO665	--			27	51.8	15.3
IDO667	--			26	54.1	15.5
<i>CLEAR WHITE</i>	--		26	25	54.3	13.9
BULLSEYE	--	27	23	25	55.4	14.8
UI WINCHESTER	--	25	24	25	53.4	15.4
<i>MACON</i>	--		22	24	51.7	14.4
<i>BR7030</i>	--			24	54.0	14.4
JEFFERSON	--	25	22	24	54.6	14.9
BUCK PRONTO	--	23	21	24	54.6	15.2
KELSE	--	26	22	24	52.6	16.3
<i>PATWIN</i>	--			24	49.3	15.7
SCARLET	--	26	22	23	51.2	14.9
HOLLIS	--	26	23	23	51.5	16.5
OR4990114	--		20	21	50.5	15.1
<i>WA008122</i>	--			21	51.3	14.7
<i>WA008123</i>	--			21	52.7	14.8
LASSIK	--		19	19	50.0	15.1
<i>OTIS</i>	--		21	16	52.8	14.8
<i>WA008100</i>	--		19	16	52.3	15.8
C.V. %	--	11	12	10	2.0	3.2
LSD '@ .10'	--	2	3	3	1.5	0.7
Average	--	27	23	24	52.8	15.1
Highest	--	34	27	34	55.4	16.5
Lowest	--	23	19	16	49.3	13.9

Bickleton Hard Spring Wheat – Preliminary Data

1. Grain yield in the Bickleton hard spring wheat trial averaged 24 bushels/acre, 3 bushels/acre lower than the 3-year average for this site. The Bickleton nursery was located about 4 miles east of Bickleton, WA (Steve Matsen, cooperator).
2. This nursery was seeded on 31 March, 2010 following spring wheat. Seed was placed at a 60#/acre seeding rate using a no-till drill equipped with Cross-Slot openers set on 10-inch spacing. Base applied fertilizer was 30#N/acre and an early spring soil test showed an additional 99#N/acre in the top 4 foot profile. An additional 25#N/acre was added to the hard trial for protein at the projected yield level. Spring seeding conditions were good and stripe rust was minimal, but moisture was limiting during grain filling.
3. Yields ranged from 16 bu/ac to 34 bu/ac and differences were highly significant. Yield values within the LSD range of the highest yield are shown in bold and 2 of the 24 entries are in this group. WestBred 926 was the highest yielding variety. The lattice RCBD experimental design improved variation allocation during statistical analysis by only 2% for yield.
4. Test weights were poor averaging 52.8 lb/bu and ranged from 49.3 to 55.4 lb/bu. Grain protein averaged 15.1% with a range of 13.9 to 16.5%.