

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

Variety Name <i>*HDVH Italized</i>	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>WA008100</i>	--		78	78	63.8	11.6	36	174
<i>BR7030</i>	--			74	63.3	12.7	32	171
<i>WA008123</i>	--			72	63.3	13.0	31	168
SCARLET	--	67	71	69	62.4	13.6	35	172
LASSIK	--		66	69	63.0	12.8	29	172
<i>PATWIN</i>	--			64	60.2	13.7	26	172
WA008074	--		62	64	62.7	13.6	33	168
<i>OTIS</i>	--		69	63	63.6	12.0	37	173
UI WINCHESTER	--	59	61	61	62.8	13.3	31	168
HOLLIS	--	60	62	59	62.0	14.5	40	171
BUCK PRONTO	--	52	56	58	62.0	15.5	32	165
<i>WA008122</i>	--			58	62.8	12.0	34	170
KELSE	--	60	60	56	62.0	14.7	34	172
TARA 2002	--	58	57	55	61.8	13.3	34	166
JEFFERSON	--	59	58	54	61.6	13.1	33	169
WESTBRED 926	--	52	53	54	61.0	13.2	31	167
<i>MACON</i>	--		57	52	61.9	11.8	32	171
BULLSEYE	--	53	55	51	63.2	13.1	28	171
WB-FUZION	--	45		49	61.2	12.5	32	167
OR4990114	--		54	48	61.7	12.5	30	168
IDO665	--			47	60.3	12.8	33	168
HANK	--	55	55	45	60.4	12.4	29	168
<i>CLEAR WHITE</i>	--		49	43	61.0	12.4	27	165
IDO667	--			42	62.4	11.7	28	170
C.V. %	--	8	7	8	0.9	3.5	5	0
LSD '@ .10'	--	4	4	7	0.8	0.6	2	1
Average	--	56	60	58	62.1	13.0	32	169
Highest	--	67	78	78	63.8	15.5	40	174
Lowest	--	45	49	42	60.2	11.6	26	165

Endicott Hard Spring Wheat – Preliminary Data

1. Grain yield in the Endicott hard spring wheat trial averaged 58 bushels/acre. The Endicott nursery was located 5 miles east of Endicott, WA (Mark Richter, cooperator).
2. This nursery was seeded on 25 March, 2010 following winter wheat. Seed was placed at an 80#/acre seeding rate using a Cross-Slot no-till drill set on 10-inch spacing. No fertilizer was applied because a spring soil test showed 226#N/acre in a 4-foot sample that should be adequate for hard protein at projected yield levels for this location. Spring seeding conditions were good and stripe rust was not a big factor in this trial. The spring wheat breeding program cooperated with the variety testing program conducting this study.
3. Yields ranged from 42 bu/ac to 78 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 lattice RCBD experimental design improved variation allocation during statistical analysis and the CV by 71% for yield.
4. Test weights were very good averaging 62.1 lb/bu and ranged from 60.2 to 63.8 lb/bu. Grain protein averaged 13.0% with a range of 11.6 to 15.5%. The average plant height was 32 inches.