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

Variety Name *HDWH Italized	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2010 YIELD (BU/A)	2010 TEST WT (LBS/BU)	2010 PROTEIN (%)	2010 PLANT HT	2010 HEAD DATE
WA008100			37	**46**	56.8	13.3	31	162
LASSIK			35	**45**	59.6	14.5	25	157
JEFFERSON	28	27	32	**44**	59.3	14.4	28	158
SCARLET	30	28	34	42	57.3	14.7	28	160
PATWIN				42	57.3	14.3	24	160
WA008122				42	58.5	13.1	31	158
BULLSEYE		26	31	41	**60.9**	14.1	24	159
KELSE	28	28	33	40	59.8	15.7	30	159
UI WINCHESTER		25	31	40	60.2	14.7	26	157
WA008123				40	59.2	14.5	27	158
MACON			31	39	59.1	13.0	28	158
IDO667				39	58.5	14.7	25	158
WB-FUZION		26		38	58.4	15.7	28	155
WA008074			31	38	60.0	15.5	27	155
OTIS			30	37	58.4	13.1	33	161
HOLLIS	26	25	29	37	58.6	15.7	31	158
BUCK PRONTO	24	24	28	37	58.9	16.8	27	153
OR4990114			29	37	59.1	14.8	27	155
BR7030				36	60.1	14.6	26	157
IDO665				36	58.4	15.0	26	157
TARA 2002	25	24	28	35	57.9	15.2	27	155
HANK	26	24	29	34	58.3	15.4	24	156
CLEAR WHITE			29	34	59.5	14.1	23	154
WESTBRED 926	24	22	26	33	59.3	16.2	25	154
C.V. %	6	6	6	7	0.5	1.4	5	0
LSD '@ .10'	1	1	2	3	0.4	0.3	2	1
Average	26	25	31	39	58.9	14.7	27	157
Highest	30	28	37	46	60.9	16.8	33	162
Lowest	24	22	26	33	56.8	13.0	23	153

Lind Hard Spring Wheat – Preliminary Data

1. Grain yield in the Lind hard spring wheat trial averaged 39 bushels/acre, 13 bushel/acre higher than the 5-year average and included both red and white cultivars. The Lind nursery was located on the WSU Lind Dryland Experiment Station 3 miles NE of Lind, WA. This nursery was conducted in cooperation with the WSU spring wheat breeding program.
2. This nursery was seeded on 9 March, 2010 following fallow. Seed was placed at a 60#/acre seeding rate using a double disk plot drill set on 6-inch spacing. Base fertilizer was 40#N and soil test analysis showed an additional 236#N available that should have been more than adequate to meet the hard protein target at projected yield levels. Spring seeding conditions were adequate, but dry conditions prevailed until unusually prolific rainfall started in May.
3. Yields ranged from 33 bu/ac to 46 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. Lassik was the highest yielding named variety. Stripe rust was found in the trial, but at relatively low levels. The lattice RCBD experimental design improved variation allocation during statistical analysis and the CV by 20% for yield.
4. Test weights averaged of 58.9 lb/bu and ranged from 56.8 to 60.9 lb/bu. Grain protein was very good and averaged 14.7% with a range of 13.0 to 16.8%. The high protein levels reflect the high residual N at this site. The average plant height was 27 inches.