

## 2010 WSU EXTENSION HARD WINTER WHEAT NURSERY AT LIND, WA.

Variety Name <i>*HDWH Italicized</i>	5 YEAR	3 YEAR	2 YEAR	2010					
	AVERAGE (BU/A)	AVERAGE (BU/A)	AVERAGE (BU/A)	YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
WA008095	--		38	52	62.4	12.6	0	38	142
WA008119	--			52	61.0	12.2	0	32	144
FARNUM	--	36	42	51	61.6	12.9	0	39	146
WA008120	--			51	60.7	12.3	0	33	145
WA008070	--	33	41	48	62.7	11.9	0	38	146
FINLEY	--	34	39	45	63.4	12.9	0	39	140
BOUNDARY	--	30	35	44	61.9	13.0	0	33	141
PEREGRINE	--	32	40	44	63.5	12.8	0	38	138
BAUERMEISTER	--	32	38	43	62.0	12.6	0	35	145
<i>MDM</i>	--	32	37	43	62.0	12.1	0	34	145
<i>WA008097</i>	--		37	43	61.2	12.3	0	34	145
<i>WA008096</i>	--		36	42	60.9	12.1	0	33	146
HATTON	--	29	32	41	63.7	12.5	0	36	142
ACCIPITER	--		32	41	62.9	12.9	0	35	141
<i>UT SILVER</i>	--		34	41	63.8	12.8	0	35	140
BAU-RT1	--			41	61.4	12.9	0	32	146
ELTAN (SWW check)	--	33	36	40	61.3	12.3	0	33	145
IDO683	--		31	37	64.0	14.1	0	32	140
WA008118	--			36	63.0	14.3	0	34	138
NORWEST 553	--	26		35	62.1	14.4	0	29	143
<i>UICF GRACE</i>	--		30	33	62.6	13.9	0	40	138
WA008121	--			33	62.0	14.2	0	38	138
<i>OR2080156H</i>	--			33	60.9	14.2	0	30	143
<i>OR2080229H</i>	--			32	62.8	12.8	0	33	144
EDDY	--	23		31	62.7	15.3	0	32	138
WHETSTONE	--	24	28	31	61.8	15.0	0	30	138
WB-RIMROCK	--	24	28	31	62.0	13.6	0	33	140
AGRIPRO PALADIN	--	23	26	26	61.3	13.7	0	32	142
DECLO	--	19		22	61.9	13.9	0	29	142
ESPERI5 .....				-Mouse damage destroyed plots-					
C.V. %	--	14	14	11	0.7	2.5	--	4	1
LSD '@ .10'	--	3	4	6	0.6	0.5	--	2	1
Average	--	29	34	39	62.1	13.3	0	34	142
Highest	--	36	42	52	64.0	15.3	0	40	146
Lowest****	--	19	26	22	60.7	11.9	0	29	138

## Lind Hard Wheat – Preliminary Data

1. Grain yield in the Lind hard winter wheat trial averaged 39 bushels/acre, a large increase over the 26 bushels/acre average in 2009. Higher yields were enabled by favorable spring precipitation and temperatures. The Lind nursery was located on the WSU Lind Dryland Experiment Station 3 miles NE of the town of Lind.
2. This nursery was seeded on 1 September, 2009 following summer fallow. Seed was placed at a 45#/acre seeding rate using a deep-furrow plot drill set on 15-inch spacing. Base fertilizer was 50#N and 10#S. A spring soil sample indicated that adequate available N to give required protein levels for hard wheat with a typical yield level. Fall seeding conditions were not as dry as recent years and emergence and stand establishment were adequate for varieties that emerge well from deep-furrow seeding depth. The lattice RCBD experimental design improved variation allocation during statistical analysis and the CV by 7%.
3. Yields ranged from 22 bu/ac to 52 bu/ac. All yield values within the 10% LSD range of the highest yield are shown in bold. Farnum was the highest yielding named variety. Stripe rust was epidemic at this location and incurred yield loss.
4. Test weights were very good with an average of 62.1 lb/bu. This is surprising because stripe rust usually lowers test weights, but the favorable moisture conditions would have contributed to good grain filling.
5. Grain protein averaged 13.3% with a range of 11.9 to 15.3% and plant height averaged 34 inches, taller than usual.