

2010 WSU EXTENSION HARD WINTER WHEAT NURSERY AT LAMONT, 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
WA008120	--			127	58.7	11.0	20	46	158
BOUNDARY	--	100	107	112	59.2	12.0	25	43	152
<i>UT SILVER</i>	--		93	108	61.3	10.8	35	44	155
WA008119	--			108	57.3	11.6	27	44	158
PEREGRINE	--	88	94	100	60.2	11.6	73	50	151
WA008070	--	86	91	98	60.7	11.4	18	51	161
WA008095	--		92	96	60.6	12.9	53	51	154
<i>WA008096</i>	--		87	96	56.4	11.9	72	45	159
<i>UICF GRACE</i>	--		78	91	59.8	12.3	53	54	152
<i>WA008097</i>	--		79	91	56.0	11.2	50	43	158
WA008118	--			90	60.6	13.9	43	46	151
<i>MDM</i>	--	93	93	86	57.7	10.3	77	43	157
ACCIPITER	--		85	84	60.4	11.3	0	45	153
BAUERMEISTER	--	83	82	83	56.1	12.2	96	44	157
FINLEY	--	85	80	82	61.8	12.9	95	51	152
WA008121	--			82	61.2	13.6	37	48	151
WHETSTONE	--	80	84	81	60.7	13.3	0	41	151
ELTAN(SWW check)	--	81	77	78	55.9	11.5	73	42	158
<i>OR2080229H</i>	--			78	61.2	12.0	0	42	158
FARNUM	--	80	78	77	58.0	11.8	95	49	160
BAU-RT1	--			72	55.5	12.8	72	42	158
EDDY	--	79	81	70	60.3	12.6	0	42	153
WB-RIMROCK	--	78	76	70	59.3	11.5	3	42	152
ESPERIA	--		81	69	60.4	14.5	0	34	152
<i>OR2080156H</i>	--			67	59.4	13.2	0	43	157
AGRIPRO PALADIN	--	71	69	63	60.8	12.6	0	39	155
NORWEST 553	--	75	73	62	60.4	13.6	0	34	156
IDO683	--		61	59	61.6	12.5	78	45	152
HATTON	--	61	55	33	55.2	12.6	0	49	156
DECLO	--	56	51	20	55.7	13.4	0	34	158
C.V. %	--	13	15	18	1.8	4.7	60	5	1
LSD '@ .10'	--	8	12	20	1.5	0.8	30	3	1
Average	--	80	80	81	59.1	12.3	37	44	155
Highest	--	100	107	127	61.8	14.5	96	54	161
Lowest	--	56	51	20	55.2	10.3	0	34	151

Lamont Hard Winter Wheat – Preliminary Data

1. Grain yield in the Lamont hard winter wheat trial averaged 81 bushels/acre, 1 bushel/acre higher than the 5-year average for this site. The Lamont nursery was located about five miles southeast of Lamont, WA (Gil White, Cooperator).
2. This nursery was seeded on 11 September, 2009 following summer fallow. Seed was placed at an 85#/acre seeding rate using a hoe opener plot drill set on 9-inch spacing. Base fertilizer was 70#N and a spring soil test analysis showed an additional 88#N available. Based on average yield levels, an additional 100#N was applied to the hard trail to facilitate protein levels. Fall seeding conditions were okay, but rain before emergence caused some crusting and emergence variability. The seed was planted about 5 inches deep and cultivars that do not emerge well under deep planted dryland conditions, did not establish well at this location. Some stripe rust developed in this trial, but stripe rust impact was not large except for susceptible cultivars.
3. Yields ranged from 20 bu/ac to 127 bu/ac with the lower yielding varieties not establishing well in this trial and/or having high levels of stripe rust. All yield values within the 10% LSD range of the highest yield are shown in bold, and 2 of the 30 entries in the trial are in this top group. The lattice RCBD experimental design did not improve variation allocation during statistical analysis and the CV for this trial was 17.5%. The high variation from establishment contributed to the high CV and LSD values, and the results should be evaluated accordingly.
4. Test weights were okay with an average of 59.1 lb/bu and ranged from 55.2 to 61.8 lb/bu. Lodging ranged from 0 to 96%.
5. Grain protein was good and averaged 12.3% with a range of 10.3 to 14.5%. Plant height averaged 44 inches.