

2009 WSU EXTENSION HARD WINTER WHEAT NURSERY AT LAMONT, WA.

Variety Name <small>*HDWH Italicized</small>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2009					
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
BOUNDARY	--	95	93	102	62.0	12.5	0	29	152
<i>MDM</i>	--	101	96	99	62.5	12.4	17	33	157
WA008068	--		90	97	62.4	13.3	0	37	150
ESPERIA	--			93	60.8	12.7	0	24	150
EDDY	--	90	83	91	62.7	13.2	0	26	150
WHETSTONE	--	88	79	88	63.0	13.6	0	31	149
WA008098	--			88	62.5	13.2	10	33	154
PEREGRINE	--		82	87	63.3	12.2	0	33	151
WA008095	--			87	62.6	12.7	0	32	152
ACCIPITER	--			86	63.0	12.9	0	32	153
<i>ML9W04-2543W</i>	--			86	62.1	11.9	0	31	151
NORWEST 553	--	87	81	85	62.9	13.8	0	25	152
<i>WA008070</i>	--		80	84	62.6	13.0	0	34	159
ACS 52025	--	93	83	83	62.2	12.9	0	27	150
BAUERMEISTER	--	92	83	82	62.6	13.3	0	29	158
DECLO	--	84	74	82	63.2	13.7	0	26	152
WA008022	--	86	82	81	61.5	12.5	0	29	154
BC002-2	--		78	79	62.7	13.4	0	27	150
FINLEY	--	86	86	78	63.0	13.2	0	32	150
FARNUM	--	79	81	78	60.6	13.9	17	36	159
<i>WA008096</i>	--			78	61.5	12.9	0	27	158
HATTON	--	80	75	77	63.8	14.1	0	32	153
<i>IDO658</i>	--			77	63.6	13.0	0	30	152
AGRIPRO PALADIN	--	80	76	76	62.6	13.3	0	28	150
ELTAN	--	93	83	75	62.3	12.4	0	29	157
ML9W05-2506	--		77	75	62.7	13.3	0	28	150
WA008061	--		74	75	62.1	14.7	0	36	152
<i>NUDAKOTA</i>	--		74	75	61.6	13.0	0	23	150
NORRIS	--			68	63.0	14.1	0	28	149
<i>WA008097</i>	--			67	61.8	12.8	0	27	157
<i>PALOMINO</i>	--	77	69	65	61.8	13.4	0	24	150
<i>UIDARWIN</i>	--	69	68	64	63.0	14.0	0	32	152
<i>IDO651</i>	--			64	62.3	13.5	0	36	149
IDO683	--			62	63.1	14.6	7	32	149
<i>MOL</i>	--			56	61.7	16.1	0	21	151
<i>MIETI</i>	--			51	60.6	14.3	0	19	152
C.V. %	--	11	11	12	0.4	3.7	556	8	1
LSD '@ .10'	--	7	8	13	0.3	0.7	11	3	1
Average	--	86	80	79	62.4	13.3	1	29	152
Highest	--	101	96	102	63.8	16.1	17	37	159
Lowest	--	69	68	51	60.6	11.9	0	19	149

1. Grain yield in the Lamont hard winter wheat trial averaged 79 bu/ac, 7 bu/ac less than the 3-year average. The Lamont nursery was located about 6 miles southeast of Lamont, WA (Gil White, cooperator).
2. This nursery was seeded on 8 September, 2008 following summer fallow. Seed was placed at an 85#/acre seeding rate using a hoe plot drill set on 9-inch spacing. Base fertilizer was 70#N, and 10#S applied in the fall and subsequent soil test indicated no additional nitrogen was needed for this hard wheat trial. Seeding conditions produced good stands that overwintered well. Alpha lattice experimental designs improved variation allocation during statistical analysis and the CV by 104% compared to previously used designs. There was a lot of variability at this site and much of it was accounted for by the lattice design, but the CV at 12% is still higher than desired. This also makes the LSD value of 13 bu/ac higher than desired and reflects the variability.
3. Yields ranged from 51 bu/ac to 102 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and included five cultivars. Hard white variety names are designated by italicized print.
4. Test weights were good with an average of 62.4 lb/bu. Grain protein averaged 13.3% with a range of 11.9 to 16.1% and was high due to high fertility at this site. The average plant height was 29 inches.