

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

Variety Name <small>*HDWH Italicized</small>	2009								
	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
HATTON	--	--	44	49	63.2	12.4	0	33	145
BAUERMEISTER	--	--	43	49	59.4	12.6	0	28	148
ELTAN	--	--	45	48	59.0	11.7	0	29	148
<i>MDM</i>	--	--	39	48	59.6	11.9	0	30	148
WA008068	--	--	45	47	60.5	13.5	0	31	144
ESPERIA	--	--		46	60.2	13.0	0	26	142
<i>WA008096</i>	--	--		45	57.4	12.7	0	29	149
<i>UT DARWIN</i>	--	--	40	44	62.6	12.8	0	30	145
<i>WA008097</i>	--	--		43	57.6	13.1	0	27	149
FINLEY	--	--	39	42	61.7	12.4	0	32	143
NORWEST 553	--	--	44	40	61.6	12.7	0	24	145
ML9W05-2506	--	--	38	40	61.1	12.7	0	26	144
BOUNDARY	--	--	39	39	60.1	12.6	0	29	146
PEREGRINE	--	--	35	39	60.3	12.5	0	33	143
<i>WA008070</i>	--	--	39	39	60.3	12.5	0	29	149
ACCIPITER	--	--		39	59.5	12.7	0	27	147
WA008095	--	--		39	59.1	13.1	0	33	146
FARNUM	--	--	36	38	58.7	13.5	0	33	149
AGRIPRO PALADIN	--	--	40	38	61.5	13.1	0	27	143
<i>IDO651</i>	--	--		38	58.8	13.2	0	36	142
BC002-2	--	--	39	38	61.1	13.4	0	28	142
<i>NUDAKOTA</i>	--	--	36	38	60.2	12.5	0	26	141
WA008098	--	--		38	59.5	13.3	0	29	147
EDDY	--	--	37	37	61.2	13.0	0	28	143
WA008061	--	--	36	37	61.2	14.0	0	31	146
WA008022	--	--	35	36	60.2	12.3	0	28	146
WHETSTONE	--	--	39	35	60.0	12.8	0	29	141
<i>ML9W04-2543W</i>	--	--		35	60.1	12.0	0	29	145
ACS 52025	--	--	35	34	61.8	12.4	0	30	142
<i>PALOMINO</i>	--	--	37	32	61.3	13.1	0	26	143
<i>IDO658</i>	--	--		31	61.3	11.7	0	27	145
DECLO	--	--	32	29	60.7	13.6	0	25	146
IDO683	--	--		29	62.7	13.4	0	29	145
NORRIS	--	--		27	61.4	13.0	0	30	141
<i>MOL</i>	--	--		24	60.9	15.5	0	25	142
<i>MIETI</i>	--	--		20	60.7	14.2	0	20	143
C.V. %	--	--	17	14	0.8	3.2	--	6	1
LSD '@ .10'	--	--	6	7	0.7	0.6	--	3	1
Average	--	--	39	38	60.5	12.9	0	29	145
Highest	--	--	45	49	63.2	15.5	0	36	149
Lowest	--	--	32	20	57.4	11.7	0	20	141

1. Grain yield in the Connell hard winter wheat trial averaged 38 bu/ac, 1 bu/ac lower than the 2-year average. The Connell nursery was located about 5 miles east of Connell, WA (D. Bauermeister farm).
2. This nursery was seeded on 4 September, 2008 following summer fallow. Seed was placed at a 45#/acre seeding rate using a deep furrow plot drill with split packer openers set on 15-inch spacing. Base fertilizer was 45#N and 15#S. Fall seeding conditions were dry and occasional poor emergence and excess soil coverage due to deep planting with the plot drill caused some gaps in individual plots. When appropriate, gaps were subtracted from the plot areas to maintain equivalent comparisons. Alpha lattice experimental designs improved variation allocation during statistical analysis and the CV by 34% compared to previously used designs.
3. Yields ranged from 20 bu/ac to 49 bu/ac, with a CV of 14%. All yield values within the LSD range of the highest yield are shown in bold. Hard white variety names are designated by italicized print.
4. Test weights were good with an average of 60.5 lb/bu. There was favorable spring precipitation and temperatures that supported a good grain filling period and high test weights.
5. Grain protein averaged 12.9% with a range of 11.7 to 15.5% and average plant height was 29 inches.