

2009 WSU EXTENSION HARD WINTER WHEAT NURSERY AT RITZVILLE, 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
ELTAN	54	51	50	72	61.6	10.2	0	31	155
<i>IDO658</i>				64	62.9	10.5	0	28	149
<i>MDM</i>	51	45	46	62	61.8	9.8	0	31	155
<i>WA008097</i>				62	61.4	11.0	0	29	155
WA008068			45	61	62.2	11.2	0	34	150
WA008095				60	61.5	11.7	0	31	151
<i>WA008096</i>				60	61.2	10.6	0	28	157
FINLEY		43	45	59	63.3	11.2	0	37	148
BAUERMEISTER	51	45	45	59	61.1	11.7	0	30	156
<i>WA008070</i>			46	59	62.3	10.8	0	32	157
<i>MIETI</i>				*					
FARNUM	49	44	44	58	60.5	11.9	0	31	156
<i>UT DARWIN</i>		37	40	57	62.9	12.4	0	29	150
ML9W05-2506			42	57	62.4	11.3	0	29	151
WA008061			41	56	62.5	12.2	0	33	149
PEREGRINE			40	56	62.0	11.1	0	33	149
<i>NUDAKOTA</i>			41	56	61.7	10.9	0	27	150
NORRIS				56	62.7	11.2	0	32	149
WHETSTONE	39	36	39	55	62.3	11.9	0	28	149
HATTON	44	42	41	54	64.0	11.6	0	28	151
IDO683				54	63.9	11.8	0	31	149
BC002-2			41	53	62.0	11.7	0	26	150
<i>ML9W04-2543W</i>				53	61.6	10.6	0	30	150
ACS 52025		37	38	52	62.1	12.0	0	26	150
<i>IDO651</i>				52	61.4	11.4	0	37	148
WA008098				52	61.0	11.8	0	28	152
AGRIPRO PALADIN	44	40	41	51	62.7	11.5	0	28	151
<i>PALOMINO</i>		38	39	51	62.2	12.6	0	26	151
ESPERIA				51	60.6	11.1	0	23	151
BOUNDARY	50	43	40	50	61.0	11.3	0	25	151
EDDY	45	40	38	50	62.3	12.0	0	26	150
ACCIPITER				50	61.7	10.8	0	27	151
WA008022		44	40	46	61.0	11.6	0	26	153
NORWEST 553		34	35	43	60.6	11.3	0	24	152
DECLO		29	28	35	61.8	12.9	0	25	151
<i>MOL</i>				34	61.6	13.4	0	21	151
C.V. %	13	14	13	13	0.9	7.2	--	7	1
LSD '@ .10'	3	4	5	9	1.3	1.1	--	3	1
Average	47	41	41	54	62.0	11.5	0	29	151
Highest	54	51	50	72	64.0	13.4	0	37	157
Lowest	39	29	28	34	60.5	9.8	0	21	148

*Insufficient plant stands for data collection.

1. Grain yield in the Ritzville hard winter wheat trial averaged 54 bu/ac, an average 15% higher than the cumulative 5-year average yield at this location. The Ritzville nursery was located about 4 miles west of Ritzville, WA (R. Jirava farm).
2. This nursery was seeded on 8 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 60#N and 6#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 13% compared to previously used designs.
3. Yields ranged from 34 bu/ac to 72 bu/ac, with a CV of 13%. 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 62.0 lb/bu, grain protein averaged 11.5% with a range of 9.8 to 13.4%. Average plant height was 29 inches.