

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

Variety Name <i>*HDWH Italicized</i>	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
<i>MDM</i>	--	89	88	92	61.4	11.1	3	33	165
WA008098	--			90	60.7	12.2	27	37	166
WA008068	--		84	87	61.3	12.3	3	37	164
BOUNDARY	--	89	88	86	60.6	12.7	0	28	162
<i>WA008097</i>	--			86	60.6	11.7	10	35	165
WHETSTONE	--	76	74	82	62.4	12.8	0	31	157
ACS 52025	--	83	80	82	61.1	12.1	0	30	159
BAUERMEISTER	--	81	77	80	61.4	11.2	10	32	164
DECLO	--	77	83	80	62.1	12.8	0	27	161
<i>WA008070</i>	--		76	80	61.7	11.2	7	38	166
NORWEST 553	--	78	78	79	61.8	12.7	0	27	161
ML9W05-2506	--		75	79	62.0	12.2	0	30	158
EDDY	--	75	74	78	61.2	11.8	0	29	160
WA008095	--			78	61.4	11.5	7	37	164
<i>WA008096</i>	--			78	60.4	12.1	0	32	164
<i>ML9W04-2543W</i>	--			77	61.3	11.7	0	33	159
PEREGRINE	--		77	76	61.6	10.8	13	37	161
ELTAN	--	79	75	75	60.6	11.2	0	32	165
HATTON	--	75	72	75	62.8	12.4	3	37	163
<i>IDO658</i>	--			75	62.0	11.2	3	34	161
ESPERIA	--			75	60.5	12.0	0	26	157
WA008022	--	75	71	74	59.8	10.6	0	32	162
ACCIPITER	--			73	61.7	11.8	0	28	163
FINLEY	--	73	72	72	62.1	11.7	37	37	162
FARNUM	--	76	77	72	59.7	12.2	7	37	167
<i>IDO651</i>	--			71	60.8	12.1	10	40	162
AGRIPRO PALADIN	--	71	71	70	62.3	12.6	0	29	161
NORRIS	--			69	61.9	11.8	0	33	158
WA008061	--		68	68	60.7	12.9	37	39	164
BC002-2	--		74	66	61.6	13.6	0	26	158
IDO683	--			65	61.6	13.5	37	33	160
<i>NUDAKOTA</i>	--		65	64	61.2	11.3	0	26	156
<i>UI DARWIN</i>	--	64	59	54	62.2	11.9	17	34	159
<i>MIETI</i>	--			53	59.8	13.3	0	21	157
<i>PALOMINO</i>	--	62	56	52	61.1	13.4	0	26	158
<i>MOL</i>	--			52	60.6	14.3	0	25	158
C.V. %	--	10	12	11	0.5	4.5	166	6	1
LSD '@ .10'	--	5	8	12	0.4	0.7	14	3	1
Average	--	77	75	74	61.3	12.1	6	32	161
Highest	--	89	88	92	62.8	14.3	37	40	167
Lowest	--	62	56	52	59.7	10.6	0	21	156

1. Grain yield in the Reardan Hard winter wheat trial averaged 74 bu/ac, 3 bu/ac less than the 3-year average yield at this location. The Reardan nursery was located about 6 miles west of Reardan, WA (Hal Johnson, cooperator).
2. This nursery was seeded on 25 September, 2008 following summer fallow. Seed was placed at an 85#/acre seeding rate using a double disc plot drill set on 6-inch spacing. Base fertilizer was 85#N, 7#P, and 5#S applied in the fall. Spring soil test showed adequate fertilizer available for hard wheat and no additional spring fertilizer was applied. Seeding conditions produced good stands that overwintered well. Alpha lattice experimental designs improved variation allocation during statistical analysis and the CV by 28% compared to previously used designs.
3. Yields ranged from 52 bu/ac to 92 bu/ac. There was more variability than desired at this trial which contributed to a CV of 11%. Yield values within the LSD range of the highest yield are shown in bold and included eight cultivars. Hard white variety names are designated by italicized print.
4. Test weights were good with an average of 61.3 lb/bu. Grain protein averaged 12.1% with a range of 10.6 to 14.3%. The average plant height was 32 inches.