

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

Variety Name <i>*HDWH Italicized</i>	5 YEAR	3 YEAR	2 YEAR	2009					
	AVERAGE (BU/A)	AVERAGE (BU/A)	AVERAGE (BU/A)	YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
<i>MDM</i>	131.4	138.0	143.3	150.2	61.9	9.9	5.0	42.0	163.5
WA008022		129.7	141.0	150.0	60.5	9.9	0.0	46.3	162.0
ELTAN	132.9	143.3	149.2	147.9	61.2	9.5	21.7	41.7	163.5
<i>WA008097</i>				141.3	61.0	10.0	25.0	41.3	164.0
BAUERMEISTER	122.8	141.0	143.2	137.0	61.4	10.5	55.0	44.0	163.5
WA008095				135.5	62.3	11.2	35.0	47.7	161.0
<i>WA008096</i>				134.6	61.3	10.1	10.0	41.0	164.0
WA008068			141.1	134.4	62.4	11.4	21.7	49.7	161.0
<i>IDO658</i>				132.2	62.7	10.5	11.7	39.3	161.0
<i>WA008070</i>			133.0	132.0	62.6	10.2	25.0	47.7	163.5
NORWEST 553		127.9	125.5	131.0	62.4	10.7	0.0	33.3	158.5
BC002-2			135.4	128.9	62.9	11.0	0.0	34.3	156.0
ACS 52025		137.7	139.5	126.9	61.2	10.6	0.0	37.3	158.0
ACCIPITER				126.5	62.7	10.3	0.0	39.0	161.5
BOUNDARY	132.0	128.6	133.8	125.4	61.6	10.5	0.0	37.3	160.5
DECLO		112.8	117.5	124.8	62.5	10.7	0.0	34.3	160.5
<i>IDO651</i>				124.6	61.8	10.1	31.7	49.0	159.0
FARNUM	99.7	98.8	114.0	121.0	59.9	10.5	83.0	47.0	164.5
ML9W05-2506			135.1	120.7	62.2	11.3	0.0	36.0	158.0
<i>ML9W04-2543W</i>				120.6	61.5	10.2	0.0	40.3	159.0
NORRIS				118.3	62.5	10.7	0.0	42.3	155.0
<i>MIETI</i>				117.1	59.9	11.0	0.0	27.7	155.0
WA008098				115.6	62.5	10.7	76.7	46.7	162.5
WHETSTONE	124.0	118.1	123.0	115.5	62.6	11.0	0.0	35.7	154.5
EDDY	113.2	107.2	102.5	114.5	61.0	11.0	0.0	31.7	157.0
FINLEY		116.3	122.4	112.5	63.1	11.1	93.3	47.7	160.0
PEREGRINE			124.8	111.7	62.4	10.2	15.0	45.7	161.0
<i>UT DARWIN</i>		124.5	126.1	111.2	63.1	11.3	30.0	43.0	159.5
<i>NUDAKOTA</i>			117.0	106.7	61.6	10.5	0.0	30.7	154.5
<i>PALOMINO</i>		115.5	117.1	105.5	61.9	11.8	0.0	30.7	155.0
ESPERIA				104.0	60.7	11.1	0.0	30.3	154.0
AGRIPRO PALADIN	116.7	112.2	110.1	99.5	62.9	11.6	0.0	33.7	159.0
IDO683				98.4	62.4	11.8	94.7	47.7	159.5
HATTON	90.3	107.8	118.0	97.1	62.4	9.3	0.0	44.7	162.0
<i>MOL</i>				96.8	61.2	12.5	0.0	29.0	154.5
WA008061			93.4	86.2	60.9	12.4	91.7	50.0	162.0
C.V. %	10.7	8.6	7.5	6.9	0.7	3.5	88.3	4.2	0.5
LSD '@ .10'	6.9	7.5	8.4	11.4	0.6	0.5	24.2	2.3	1.1
Average	118.1	122.5	126.4	121.0	61.9	10.8	20.2	40.2	159.7
Highest	132.9	143.3	149.2	150.2	63.1	12.5	94.7	50.0	164.5
Lowest	90.3	98.8	93.4	86.2	59.9	9.3	0.0	27.7	154.0

Pullman Hard Winter Wheat – Preliminary Data

1. Grain yield in the Pullman hard winter wheat trial averaged 121 bushels/acre, 3 bushels/acre higher than the 5-year average yield at this location. The Pullman nursery was located about 3 miles south east of Pullman, WA (Norm Druffel & Sons, cooperators).
2. This nursery was seeded on 3 October, 2008 following Chickpeas. Seed was placed at an 85#/acre seeding rate using a double disc plot drill set on 6-inch spacing. Base fertilizer was 100#N, 20#P, 15#K, and 30#S (all per acre) applied in the fall and an additional 6#N and 20#P were applied as starter fertilizer. In the spring, an additional 44#N and 7#S were applied to the hard trial to increase protein. Seeding conditions produced good stands that overwintered well. Alpha Lattice experimental designs improved variation allocation during statistical analysis and the CV by 13% compared to previously used designs.
3. Yields ranged from 86 bu/ac to 150 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and included 4 cultivars. Hard white variety names are designated by italic print.
4. Test weights were good with an average of 61.9 lb/bu. Grain protein averaged 10.8% with a range of 9.3 to 12.5%. The average plant height was 40 inches.