2007 WSU EXTENSION HARD WINTER WHEAT NURSERY AT LIND, WA.

Variety Name *HDWH Italized	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2007 YIELD (BU/A)	2007 TEST WT (LBS/BU)	2007 PROTEIN (%)	2007 LODGING (%)	2007 PLANT HT	2007 HEAD DATE
WA008022	- -	- -	- -	55.2	60.8	11.7	0	25.8	136.0
MDM	- -	- -	- -	51.6	62.0	11.5	0	27.3	139.0
WA007975	- -	- -	- -	49.9	60.7	12.4	0	27.8	139.4
WA008003	- -	- -	- -	49.9	61.5	12.1	0	26.8	137.1
BAUERMEISTER	- -	- -	- -	48.8	61.7	12.0	0	25.8	139.0
FINLEY	- -	- -	- -	48.2	62.4	12.4	0	28.3	136.0
HATTON	- -	- -	- -	47.6	63.4	12.7	0	28.0	137.5
JUNIPER	- -	- -	- -	47.4	62.1	13.1	0	31.8	136.0
ELTAN	- -	- -	- -	46.7	62.1	11.5	0	23.8	139.0
WA007976	- -	- -	- -	46.6	61.1	11.9	0	21.5	139.4
WA008023	- -	- -	- -	45.0	59.6	12.4	0	23.0	139.0
IDO621	- -	- -	- -	44.4	61.6	12.7	0	24.3	134.1
BOUNDARY	- -	- -	- -	44.2	61.4	12.2	0	24.0	136.4
TX97F4-33-1B	- -	- -	- -	44.1	62.6	12.6	0	24.8	131.5
WA008025	- -	- -	- -	44.1	62.7	11.7	0	24.0	137.1
OR2052046H	- -	- -	- -	43.4	63.0	11.5	0	22.8	136.4
EDDY	- -	- -	- -	40.3	62.0	13.5	0	23.0	133.8
FINEWAY	- -	- -	- -	40.1	62.1	12.9	0	27.3	138.3
WA008024	- -	- -	- -	39.8	60.9	12.4	0	24.0	139.4
WA008019	- -	- -	- -	38.8	62.6	12.4	0	30.5	134.5
UI DARWIN	- -	- -	- -	38.7	62.7	12.4	0	27.8	136.0
AGRIPRO PALADIN	- -	- -	- -	37.5	62.2	13.6	0	26.3	135.3
ACS 52035	- -	- -	- -	35.6	61.5	14.1	0	23.3	139.4
W98-344	- -	- -	- -	33.1	62.1	13.8	0	24.8	133.0
PALOMINO	- -	- -	- -	32.9	60.9	13.9	0	22.8	132.6
DECLO	- -	- -	- -	30.6	62.8	14.0	0	21.8	138.6
ACS 52025	- -	- -	- -	30.3	61.5	13.7	0	22.8	134.1
ORN00B553	- -	- -	- -	27.4	62.4	14.2	0	20.5	135.6
BZ9W02-2032	- -	- -	- -	22.6	61.8	15.1	0	23.8	133.0
C.V. %	- -	- -	- -	12.2	0.5	3.4	- -	- -	- -
LSD '@ .10'	- -	- -	- -	6.0	0.4	0.5	- -	- -	- -
Average	- -	- -	- -	41.5	61.9	12.8	0	25.1	136.4
Highest	- -	- -	- -	55.2	63.4	15.1	0	31.8	139.4
Lowest	- -	- -	- -	22.6	59.6	11.5	0	20.5	131.5

LIND HARD WINTER WHEAT – 2007 WSU VARIETY TESTING DATA

1. 2007 Hard Winter Wheat **YIELD DATA** from the WSU Variety Testing nursery at the Lind location averaged 41.5 bu/ac. *NOTE: The Lind nursery was located on the WSU Dryland Research Experiment Station five miles NE of Lind, WA..* This nursery was **seeded early** on 31 August 2006 on summer fallow ground using a deep furrow plot drill with split packer double disc openers. Seeding rate was 45# per acre and a base fertilizer rate of 45# nitrogen per acre was applied to this nursery. A 6 March 2007 soil test showed 168#N, 23#P and15#S availability.

2. This nursery had good emergence that resulted in an even and uniform stand. In general, the cold snap at the end of October 2006 and the 10-day cold-snap in mid-January (11-21 Jan 2007) had minimal winter injury impact. However, three varieties/lines (ACS 52025, ORN00B553, BZ9W02-2032) exhibited some winter injury and weaker spring regrowth at March 2007 stand evaluation and these same varieties exhibited the lowest average yields at this location.

3. **Stripe rust** was not a significant factor in the 2007 nursery even though traces of stripe rust could be observed on susceptible varieties. Stripe rust infection summary evaluations conducted by Dr. Xianming Chen, Plant Pathologist, USDA/ARS, Pullman, WA for all varieties included in the WSU Variety Testing Program winter wheat nurseries at six locations (including Lind, WA) are available on the WSU Extension Uniform Cereal Variety Web site under the Agronomy Updates section of the web site – posted 7-25-07. (http://variety.wsu.edu/).

4. **Yield differences** had a range of 22.6 to 55.2 bushels per acre. As mentioned, varieties/lines with the lowest yields are attributed to winter injury and poor spring regrowth. Wheat quality in terms of **test weight** was exceptionally good at this location with and average test weight value of 61.9 lbs/bu.

5. **Percent grain protein** had a range of 11.5-15.1% and all varieties met or exceeded the 11.5% protein requirement for the HRW market class.