

**2006 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT MAYVIEW, WA.**

Variety Name	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2006					
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
ROD	116.8	120.0	109.8	98.2	56.9	11.8	0	32.3	162.5
WA007973			107.6	97.6	58.7	11.6	0	33.5	160.6
MJ-4	109.8	111.2	101.2	95.5	56.4	11.8	0	33.5	163.6
WA007971			102.0	95.1	56.1	11.4	0	31.0	163.3
WB 528		120.4	109.1	94.9	61.0	12.0	0	31.0	154.3
TUBBS	111.3	120.8	108.2	94.6	56.7	12.0	0	34.3	160.3
MADSEN/ROD				94.4	58.3	12.1	0	33.0	162.5
BU6W00-523				93.7	60.0	11.4	0	33.0	158.8
ORCF-102			106.5	93.6	60.0	11.9	0	34.3	161.4
HILL 81	111.2	117.1	108.2	92.6	59.7	11.6	0	36.5	161.8
BZ6WM02-1020				91.1	57.4	12.1	0	33.3	162.5
RJAMES		118.6	107.0	90.8	56.6	11.0	0	32.0	161.4
CONCEPT		111.4	102.4	90.8	58.2	11.3	0	29.8	161.8
MASAMI	111.0	114.2	104.4	90.4	57.1	11.1	0	33.5	164.0
BU6W99-456				90.2	61.3	12.8	0	30.5	152.8
MJ-9	110.4	114.5	103.8	89.6	56.1	11.5	0	32.0	162.5
TUBBS 06				89.0	57.2	11.9	0	35.5	160.6
ORCF-101		113.7	103.3	88.9	58.7	12.1	0	32.8	158.8
ID990419				88.6	58.8	11.4	0	33.0	163.3
MADSEN	104.2	107.3	100.8	88.4	58.9	12.1	0	33.5	162.1
CASHUP	106.4	110.9	100.3	88.4	58.7	11.0	0	30.3	161.0
WA007970			100.4	88.0	59.7	11.5	0	33.5	163.6
SIMON	105.6	109.1	100.6	86.8	58.7	11.9	0	32.8	160.6
CODA	105.3	109.2	99.0	86.6	59.7	12.1	0	35.0	162.1
WA008000				85.1	59.4	11.4	0	33.3	164.0
ARS99123				84.6	59.0	12.0	0	29.0	161.0
FINCH	108.7	112.0	101.2	84.4	59.3	11.8	0	34.3	164.0
ARSC96059-2				83.5	59.2	12.0	0	37.5	161.4
LEWJAIN	96.6	100.2	84.6	83.2	58.6	11.7	0	31.3	163.6
ORH010920				82.8	60.0	11.9	0	28.3	153.9
STEPHENS	105.4	108.4	96.1	82.3	57.6	12.0	0	31.0	158.0
BRUEHL	108.8	115.0	103.2	82.1	56.0	11.9	0	34.3	164.0
MOHLER	108.5	111.7	101.6	81.0	58.8	11.7	0	34.5	159.1
WA007935		100.3	85.8	80.2	59.2	11.5	0	34.5	164.0
9222407A				79.5	59.5	11.8	0	35.8	162.1
ORSS-1757			99.8	78.8	59.6	11.1	0	33.0	158.8
LAMBERT	100.0	101.7	90.6	78.5	57.6	11.3	0	33.8	158.0
IDAHO 587		104.9	94.8	77.3	58.3	12.0	0	30.3	158.0
ARS00235		106.7	94.5	75.2	58.3	11.9	0	35.3	162.1
ID990435				74.2	57.2	12.0	0	36.0	159.1
HILLER	102.9	105.0	93.3	74.1	54.7	11.8	0	31.8	160.6
BZ6WM02-1154				73.4	61.1	12.6	0	30.3	156.9
ELTAN	100.3	101.6	83.9	73.2	58.5	11.8	0	35.0	164.0
WA007934		101.2	85.4	73.0	58.2	11.7	0	34.8	163.3
ARSC96059-1			93.2	71.6	59.8	12.6	0	36.8	161.4
ARS00258				70.4	58.5	12.0	0	31.3	161.8
RELY	95.3	97.0	83.3	70.2	57.9	12.0	0	33.3	161.8
CHUKAR	102.9	103.5	93.2	70.2	55.9	11.8	0	32.8	162.1
HUBBARD	98.9	100.1	85.4	66.8	59.6	11.7	0	38.3	161.0
WA007999				57.8	55.9	12.0	0	26.0	159.5
BRUNDAGE 96	94.0	96.0	81.8	56.8	56.8	12.3	0	31.3	159.5
GEORGE		99.2	81.5	56.6	57.7	12.2	0	36.0	164.0
ARS97135-9		98.9	83.5	56.1	55.7	12.1	0	31.5	162.1
EDWIN	80.1	75.7	63.7	48.9	58.0	13.1	0	35.8	160.3
C.V. %	7.8	6.3	6.6	8.0	1.1	5.1	--	--	--
LSD '@.10'	4.2	4.4	5.1	7.6	0.8	0.7	--	--	--
Average	104.1	107.2	96.3	81.6	58.3	11.8	0	33.1	161.0
Highest	116.8	120.8	109.8	98.2	61.3	13.1	0	38.3	164.0
Lowest	80.1	75.7	63.7	48.9	54.7	11.0	0	26.0	152.8

## MAYVIEW SOFT WHITE WINTER WHEAT – 2006 WSU VARIETY TESTING DATA

1. 2006 Soft White Winter Wheat **YIELD DATA** from the WSU Variety Testing nursery at the Mayview, WA location averaged 81.6 bu/ac that was 23.8%% lower than the 3-year historical average (107.2 bu/ac). *NOTE: The Mayview nursery was located in Garfield County approximately 25 miles northeast of Pomeroy, WA on the Tramway Rd. This nursery overlooks and is on what is called the 'breaks' of the Snake River, approximately 10 miles SE of Lower Granite Dam. The nursery is in a 16"-20" rainfall region. (Roger & Randy Koller farm).*
2. This nursery was **seeded fairly late** on 17 October 2005 on fallow ground using a plot drill with double-disc openers into soil moisture that was about 2-inches below the surface. This nursery had good emergence that resulted in a very even and uniform stand going into the winter.
3. This nursery appeared to have taken some hits from the up-and-down weather patterns during the **2005-2006 growing season** based on the below normal yield averages. A field evaluation on 4 April 2006 showed good winter survival of all varieties/experimental lines suggesting that yields were probably more influenced by dry/heat stress periods during early growth and grain fill stages of development.
4. **Yield average rankings** tracked closely with historical 2-yr and 5-yr averages. This has always been a nursery where ROD planted as a single variety has topped the nursery in almost every year and holds the top spot in all historical yield rankings. It is kind of difficult to separate varietal differences based on average yields. One observation is that 13 out of the 20 highest yielding varieties have Madsen pedigrees. Madsen ranked 20<sup>th</sup> out of the 54 entries. In addition, some of the early maturing (heading date) varieties such as Stephens, IDO587, Lambert, and Brundage 96 were in the lower half of the yield rankings suggesting that they may have been more severely impacted by the dry/heat stress during mid-April to mid-May 2006 that was typically a time of rapid growth for these varieties. Many of the varieties/experimental lines had average yields that were very comparable – with little 'statistical' difference.
5. Average **Test Weight** value was 58.3 lbs/bu and **Percent grain protein** average was 11.8%.