

**2006 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT REARDAN, 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
WA007934		111.4	115.4	122.5	60.2	11.1	0.0	40.0	165.3
GEORGE		114.1	114.9	121.0	59.8	11.4	5.0	39.3	166.0
WA007973			120.2	119.8	59.7	11.0	0.0	37.5	162.6
WA007971			110.6	118.6	58.1	11.1	0.0	36.8	165.3
BRUNDAGE 96	107.2	105.2	112.7	117.9	59.3	10.7	0.0	37.0	161.5
CONCEPT		106.5	112.3	117.6	60.9	10.9	0.0	36.8	163.8
ELTAN	112.4	111.7	115.9	117.3	60.0	11.6	23.8	38.3	166.0
CHUKAR	115.2	108.8	113.7	116.8	59.0	10.9	0.0	38.8	164.1
CODA	110.5	107.3	111.5	116.5	61.7	11.1	5.0	42.0	164.1
WA007970			116.0	115.9	60.9	11.8	0.0	38.3	165.6
MJ-4	110.9	110.3	112.7	114.9	57.9	12.2	0.0	36.8	165.6
MJ-9	111.3	110.2	110.2	114.8	59.2	11.6	0.0	37.3	164.5
HILL 81	109.5	106.9	111.6	114.6	60.2	11.1	0.0	41.0	163.8
WA007935		104.6	106.9	113.0	59.6	11.2	0.0	39.5	166.0
ROD	113.2	108.5	110.3	112.8	58.4	11.8	0.0	37.3	164.5
LAMBERT	109.9	106.4	111.4	112.7	59.3	11.3	0.0	40.8	160.0
ARS00258				111.1	60.7	11.3	0.0	38.5	163.8
ARSC96059-2				109.1	61.3	12.5	2.5	42.8	163.4
MASAMI	110.5	108.5	107.9	108.6	58.8	10.4	0.0	37.8	166.0
HUBBARD	109.9	109.8	112.0	108.6	60.3	10.4	0.0	43.3	163.0
ARS00235		106.3	108.9	108.2	61.0	11.7	0.0	43.3	164.1
ORCF-102			105.0	107.0	59.4	12.6	0.0	40.0	163.4
RELY	105.5	96.0	99.4	106.7	59.4	10.6	0.0	40.5	163.8
EDWIN	101.5	98.0	94.3	106.6	61.8	12.4	18.8	43.5	162.3
FINCH	111.4	105.5	110.1	105.7	60.9	11.6	0.0	38.8	166.0
CASHUP	105.5	99.6	105.5	104.9	60.3	10.4	0.0	35.3	163.0
RJAMES		109.1	108.6	104.8	57.8	10.7	0.0	33.8	163.4
LEWJAIN	101.9	98.5	101.5	104.6	60.6	11.3	0.0	35.3	165.6
ARSC96059-1			111.7	104.5	61.6	12.0	0.0	42.8	163.4
TUBBS	108.7	102.5	99.0	103.3	57.8	11.3	0.0	40.3	162.3
ID990435				102.7	58.4	11.9	0.0	42.5	161.1
BU6W00-523				102.5	60.4	11.7	0.0	36.8	160.8
9222407A				102.1	59.6	11.4	0.0	40.5	164.1
WA008000				101.4	59.7	10.8	0.0	38.0	166.0
HILLER	106.4	100.2	102.1	101.2	57.4	10.7	0.0	38.0	162.6
ID990419				101.1	60.1	11.9	0.0	37.9	165.3
MADSEN	103.3	101.1	102.5	100.4	59.3	11.7	0.0	38.8	164.1
BRUEHL	108.0	102.7	103.8	100.1	58.0	11.2	0.0	39.3	166.0
ARS97135-9		101.5	107.6	96.5	58.4	11.3	0.0	35.0	164.1
MADSEN/ROD				96.5	57.7	11.6	0.0	37.8	164.5
TUBBS 06				94.8	57.5	11.8	0.0	39.0	162.6
ARS99123				93.8	59.9	10.8	0.0	35.8	163.0
BZ6WM02-1020				93.1	58.8	12.8	0.0	35.8	164.5
ORSS-1757			104.5	92.4	57.6	11.2	0.0	38.3	160.8
WB 528		86.5	82.9	92.3	59.4	11.4	0.0	36.0	156.3
BU6W99-456				91.2	59.9	12.7	0.0	34.8	154.8
IDAHO 587		92.1	92.6	87.2	58.3	11.9	0.0	34.5	160.0
MOHLER	101.4	93.0	92.2	87.2	58.1	11.9	0.0	39.0	161.1
SIMON	97.7	93.5	94.6	86.7	58.1	11.5	0.0	37.8	162.6
ORH010920				82.8	56.5	12.3	0.0	32.0	155.9
BZ6WM02-1154				81.8	58.9	13.3	0.0	36.0	158.9
STEPHENS	95.7	89.7	85.6	81.2	57.4	12.6	0.0	35.0	160.0
ORCF-101		89.5	87.0	80.1	57.4	12.5	0.0	36.5	160.8
WA007999				71.6	57.1	12.6	0.0	30.3	161.5
C.V. %	8.2	9.7	9.1	9.2	1.1	7.9	--	--	--
LSD '@.10'	4.5	6.7	7.8	11.1	0.7	1.1	--	--	--
Average	107.3	102.9	105.8	103.3	59.3	11.6	1.0	38.1	163.0
Highest	115.2	114.1	120.2	122.5	61.8	13.3	23.8	43.5	166.0
Lowest	95.7	86.5	82.9	71.6	56.5	10.4	0.0	30.3	154.8

## REARDAN 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 Reardan, WA location averaged 103.3 bu/ac that was nearly identical to the 3-year historical average (102.9 bu/ac). *NOTE: The nursery was located about 8 miles west of Reardan, WA on Janett Rd (H. Johnson farm).*
2. This nursery was **seeded early** on 14 September 2005 on chem fallow ground into soil moisture that was just 1-inch below the surface. . This nursery had good emergence and a very even , uniform stand going into the winter.
3. This nursery handled the 17-19 Feb 2006 cold snap with little to no winter injury on any of the varieties/experimental lines. The nursery also withstood the dry/heat stress periods from mid-April to mid-May.
4. **Average yield rankings** fairly consistent with 3-yr historical averages. This area continues to reflect the adaptability of Eltan along the Highway 2 corridor with four (4) of the top six varieties/experimental lines having Eltan in their pedigree (WA007934, George, WA007973 and Eltan). There appears to be a pretty strong trend that varieties with earlier maturity (heading date) had some of the lower yields at this location. This follows a pattern at some locations where the dry/heat stress from mid-April to mid-May was harder on earlier varieties that had roots and crowns sitting in dry soil at a time when they normally take advantage of soil moisture and get an earlier growth jump compared to later maturing varieties such as Eltan. In addition, there was a moderate level of *Cephalosporium* stripe in many varieties/experimental lines in this nursery and many of the lower yielding varieties are also susceptible to *Cephalosporium* stripe. All the tea leaves were probably lined up the right way to get *Cephalosporium* stripe this year in this nursery (fairly early seeding, cold snap in February that probably dinged plants/roots, dry spring soil conditions that held back wheat growth and allowed for fungus growth and quite a bit of heat stress at the end of the growing season).
5. Average **Test Weight** value was 59.3 lbs/bu. Again it's worth noting that varieties that dragged the average test weight down were also fairly susceptible to *Cephalosporium* stripe. **Percent grain protein** averaged 11.6%.