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

Variety Name	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2006 YIELD (BU/A)	2006 TEST WT (LBS/BU)	2006 PROTEIN (%)	2006 LODGING (%)	2006 PLANT HT	2006 HEAD DATE
WA007973	--	--	--	81.7	60.6	10.7	0	29.8	142.5
TUBBS	--	--	--	79.6	61.0	11.4	0	28.5	138.8
CHUKAR	--	--	--	76.7	59.2	10.6	0	28.0	143.3
MJ-9	--	--	--	76.4	60.1	11.1	0	26.5	140.6
WA008000	--	--	--	75.3	60.8	11.4	0	26.8	142.9
MASAMI	--	--	--	75.2	60.8	11.1	0	28.8	142.9
ARSC96059-2	--	--	--	75.1	62.3	12.0	0	29.5	139.9
CODA	--	--	--	74.6	62.4	11.7	0	28.5	141.8
WA007970	--	--	--	74.1	61.0	11.6	0	27.0	144.4
ARSC96059-1	--	--	--	73.9	62.3	12.2	0	29.8	140.6
GEORGE	--	--	--	73.7	60.0	12.3	0	30.3	144.0
MADSEN	--	--	--	72.3	61.0	11.5	0	27.5	141.4
ROD	--	--	--	72.1	59.6	11.1	0	27.0	142.5
ID990419	--	--	--	72.0	60.8	11.3	0	28.3	142.5
ARS00235	--	--	--	71.8	61.0	12.0	0	28.3	143.6
MADSEN/ROD	--	--	--	71.6	60.6	11.7	0	27.3	141.0
HILLER	--	--	--	71.5	59.8	10.5	0	28.3	141.0
LEWJAIN	--	--	--	71.5	61.7	11.7	0	28.0	144.4
MOHLER	--	--	--	71.3	61.5	11.9	0	27.5	139.1
BU6W00-523	--	--	--	71.0	62.3	12.2	0	28.3	139.1
WA007971	--	--	--	70.8	58.0	11.0	0	26.5	143.6
ORCF-102	--	--	--	70.7	61.5	11.3	0	28.8	140.3
MJ-4	--	--	--	70.6	58.6	11.9	0	27.3	142.9
SIMON	--	--	--	70.4	60.7	11.7	0	28.8	139.5
ID990435	--	--	--	70.4	60.4	11.9	0	29.5	138.4
ARS97135-9	--	--	--	69.2	59.3	11.0	0	26.5	142.9
ELTAN	--	--	--	69.1	60.8	12.2	0	30.0	143.3
HILL 81	--	--	--	69.1	61.5	11.7	0	28.5	141.0
FINCH	--	--	--	68.9	61.1	11.8	0	27.5	144.8
BRUNDAGE 96	--	--	--	68.9	60.8	11.1	0	24.5	138.4
TUBBS 06	--	--	--	68.7	60.6	11.2	0	28.3	139.9
EDWIN	--	--	--	68.4	62.2	11.1	0	29.5	140.6
BZ6WM02-1020	--	--	--	68.2	61.5	11.7	0	27.3	141.8
RELY	--	--	--	67.9	61.5	11.8	0	27.3	142.5
ARS00258	--	--	--	67.3	62.1	11.8	0	27.3	142.1
ORCF-101	--	--	--	67.2	60.9	11.6	0	27.3	139.5
LAMBERT	--	--	--	66.4	61.2	11.0	0	28.5	137.3
BRUEHL	--	--	--	65.6	60.3	12.3	0	31.0	142.9
WA007935	--	--	--	65.5	60.5	12.3	0	30.3	144.4
HUBBARD	--	--	--	65.3	61.8	12.3	0	32.3	140.3
IDAHO 587	--	--	--	64.4	60.9	12.1	0	25.8	138.4
WA007934	--	--	--	64.3	60.5	11.8	0	29.3	142.5
CONCEPT	--	--	--	64.3	62.5	12.3	0	27.0	141.0
STEPHENS	--	--	--	63.3	60.5	11.4	0	25.8	137.6
9222407A	--	--	--	62.8	61.3	12.6	0	29.3	141.8
WB 528	--	--	--	62.0	62.6	12.1	0	26.8	138.0
ORSS-1757	--	--	--	61.2	61.2	11.6	0	26.3	139.5
CASHUP	--	--	--	59.5	62.4	12.2	0	27.8	140.6
RJAMES	--	--	--	58.1	59.7	12.7	0	26.0	142.1
BZ6WM02-1154	--	--	--	57.0	61.2	12.9	0	21.8	139.9
ORH010920	--	--	--	56.3	61.0	12.7	0	24.0	138.0
BU6W99-456	--	--	--	53.2	63.1	13.0	0	24.5	138.8
WA007999	--	--	--	51.5	57.9	12.2	0	22.3	140.6
ARS99123	--	--	--	46.4	61.5	13.3	0	24.3	138.4
C.V. %	--	--	--	7.3	0.6	4.5	--	--	--
LSD '@. 10'	--	--	--	5.8	0.4	0.6	--	--	--
Average	--	--	--	68.0	60.9	11.8	0	27.6	141.1
Highest	--	--	--	81.7	63.1	13.3	0	32.3	144.8
Lowest	--	--	--	46.4	57.9	10.5	0	21.8	137.3

CONNELL SOFT WINTER WHEAT – 2006 WSU VARIETY TESTING DATA

1. 2006 Soft Winter Wheat **YIELD DATA** from the WSU Variety Testing nursery at the Connell location averaged 68.2 bu/ac. *NOTE: The Connell nursery was located five miles east of Connell on Blackburn Rd (D. Bauermeister farm).*
2. This nursery was **seeded late** on 12 October 2005 on summer fallow ground using a plot drill with double disc openers. The late 2005 seeding was a result of dry August/September 2005 soil moisture levels where sub-surface moisture was well below the depth of seeding for even deep furrow (split packer drills). Precipitation during the first week of October 2005 provided enough surface moisture that double disc openers were able to place seed into moisture. Depth to soil moisture at seeding was 1/2-inch depth on October 12th. This nursery had even emergence and withstood the mid-February 2006 cold snap with little problem. One experimental line (ORH010920) did sustain some visible cold injury during the February 2006 cold snap.
3. **Stripe rust** was not a factor in the 2006 nursery even though traces of stripe rust could be observed on susceptible varieties.
4. **Yield differences** among many of the varieties were very slight. There appears to be somewhat of a trend that shows **later maturing (later heading dates) varieties with higher yield averages** at this location. This could be explained in part by the extreme dry weather pattern from mid-April (following Easter) to mid May where there was no precipitation and at the end of this period (16-19 May 2006) temperatures soared into the 90's. A field evaluation on 11 May 2006 showed the soil was completely dry to the 6-inch level and a probe could not penetrate any deeper. Roots and crowns were sitting in this extremely dry soil zone. Earlier/faster growing varieties were probably more negatively impacted by this weather/moisture pattern.
5. Average **Test Weight** values (60.9 lb/bu) were good at this location, undoubtedly influenced by above average, late May/early June precipitation during critical periods of grain fill.
6. **Percent grain protein** had a range of 10.5%-13.3%.