2006 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT ALMIRA, 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			139.2	156.6	60.1	10.0	2.5	34.3	157.6
RJAMES		121.4	130.9	155.5	59.1	9.4	20.0	32.3	158.4
TUBBS	119.8	130.1	135.5	153.2	60.3	10.0	0.0	36.8	157.3
ROD	118.2	124.0	135.0	152.3	59.8	9.8	5.0	35.3	159.5
WA007934		124.2	128.3	151.6	60.2	9.9	8.8	36.3	160.3
ELTAN	110.9	122.9	123.7	151.2	60.2	9.5	25.0	38.0	161.0
TUBBS 06				150.6	60.0	9.3	0.0	37.8	157.6
MASAMI	114.7	122.0	132.4	149.9	59.4	9.2	3.8	37.5	161.0
WA007971			128.4	149.3	58.5	9.4	0.0	35.0	160.3
GEORGE		118.4	120.7	146.8	59.5	9.4	23.8	36.5	161.0
WA007935		117.5	120.6	146.4	60.0	9.4	18.8	37.5	161.0
ARS00258				146.2	61.1	10.0	5.0	37.8	158.8
BRUEHL	112.8	120.3	127.4	146.0	58.3	10.1	0.0	39.5	161.0
ID990419				146.0	60.6	8.9	0.0	35.0	160.3
HUBBARD	109.7	117.6	122.8	143.8	61.2	9.7	0.0	39.0	158.0
MJ-9	108.1	112.5	120.7	142.6	59.6	9.9	0.0	35.5	159.5
MADSEN/ROD				142.4	60.1	9.8	0.0	35.3	159.5
LEWJAIN	107.7	114.7	119.3	142.0	60.9	10.0	23.8	36.0	160.6
WA008000				141.9	60.7	10.4	0.0	38.0	161.0
ARS99123				141.1	61.1	9.6	0.0	38.3	158.0
RELY	110.1	116.3	124.9	140.8	60.9	10.0	11.3	39.8	158.8
ORCF-102			123.2	140.8	60.6	10.2	0.0	37.0	158.4
LAMBERT	110.6	117.1	126.5	140.6	60.3	9.9	0.0	36.5	155.0
HILL 81	105.9	112.9	120.7	140.3	60.9	9.9	0.0	39.8	158.8
HILLER	105.2	109.9	120.4	139.4	58.5	10.1	0.0	38.8	157.6
9222407A				139.2	61.0	10.0	0.0	39.3	159.1
CODA	104.9	108.1	119.0	137.9	62.2	10.3	2.5	41.8	159.1
MOHLER	111.9	118.0	126.3	137.2	60.9	10.0	7.5	35.3	156.1
FINCH	112.7	115.1	124.4	136.9	61.3	9.2	0.0	36.8	161.0
ORSS-1757			123.6	136.8	60.2	9.3	0.0	34.3	155.8
MJ-4	101.8	109.4	117.0	136.7	59.3	9.8	0.0	34.5	160.6
BRUNDAGE 96	106.5	110.7	119.3	136.6	59.8	8.9	0.0	37.0	156.5
CHUKAR	112.3	119.5	125.4	136.5	59.5	9.5	0.0	36.3	159.1
ARS97135-9		109.3	121.9	136.4	59.4	9.1	0.0	37.5	159.1
ARS00235		112.7	122.0	136.3	61.6	10.3	1.3	40.8	159.1
WB 528		114.1	122.7	134.4	61.9	10.1	0.0	32.8	151.3
ARSC96059-1			125.9	134.1	62.8	10.9	0.0	39.5	158.4
SIMON	105.0	108.2	117.7	134.0	60.2	9.7	0.0	37.3	157.6
STEPHENS	102.3	108.2	120.2	133.6	60.6	10.1	0.0	33.5	155.0
ARSC96059-2				133.4	62.0	10.2	0.0	37.8	158.4
CASHUP	106.1	109.9	121.0	133.4	60.9	9.7	0.0	34.5	158.0
MADSEN	103.3	105.8	113.4	132.6	60.5	10.4	0.0	37.0	159.1
IDAHO 587		112.0	121.3	132.6	60.9	10.3	1.3	33.3	155.0
BU6W00-523				130.6	61.7	9.7	0.0	34.5	155.8
ID990435				130.4	59.6	9.0	0.0	38.5	156.1
WA007970			111.2	130.0	60.9	10.3	0.0	35.8	160.6
CONCEPT		109.0	122.6	129.2	60.5	9.1	0.0	35.3	158.8
BZ6WM02-1020				128.3	60.4	9.9	0.0	33.3	159.5
EDWIN	97.1	105.2	104.4	127.7	62.5	10.2	0.0	40.3	157.3
BU6W99-456				122.3	62.6	10.9	0.0	34.8	149.8
ORCF-101		96.9	113.2	117.7	60.8	10.8	0.0	35.8	155.8
BZ6WM02-1154				110.6	62.0	11.2	0.0	34.8	153.9
ORH010920				98.3	60.2	11.4	0.0	32.0	150.9
WA007999				89.9	58.6	10.6	0.0	28.5	156.5
C.V. %	7.7	7.9	7.5	6.8	0.8	9.1	--	--	--
LSD '@ .10'	4.5	6.2	7.7	10.9	0.6	1.1	--	--	--
Average	108.6	114.4	122.9	137.2	60.5	9.9	3.0	36.4	158.0
Highest	119.8	130.1	139.2	156.6	62.8	11.4	25.0	41.8	161.0
Lowest	97.1	96.9	104.4	89.9	58.3	8.9	0.0	28.5	149.8

ALMIRA 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 Almira, WA location averaged 137.2 bu/ac that was nearly 20\%% higher than the 3-year historical average (114.4 bu/ac). *NOTE: The Almira nursery was located 10 miles north of Almira, WA on Sorensen Rd (D. McKay farm).*
2. This nursery was **seeded early** on 7 September 2005 on summer fallow ground using a plot drill with hoe openers into soil moisture that was about 3-inches below the surface. This nursery had good emergence that resulted in a very even and uniform stand with fairly large wheat (6-8 inches tall) going into the winter.
3. **Stripe rust** was not a significant factor in the 2006 soft white winter wheat nursery at Almira.
4. This nursery survived the hits from the up-and-down weather patterns during the **2005-2006 growing season**. Exceptions were ORN010920 and WA00799 that suffered considerable cold injury during the 17-19 Feb 2006 cold snap. Yield averages for these two lines were also at the low end of the yield data. In addition, even though snow mold was barely noticeable in this nursery, land history at the Almira location has shown low levels of snow mold that reduce the yield capacity of susceptible varieties. This is apparent with ORCF-101 that is extremely susceptible to snow mold and was one of the lower yielding varieties in the trials. A March 2006 field evaluation showed very low spring regrowth in ORCF-101 that is attributed to a low level incidence of snow mold. The late season precipitation and cooler weather during kernel development seemed to enhance test weight values for many varieties.
5. **Yield average rankings** once again tracked closely with historical 2-yr and 3-yr averages. The highest yielding line was an experimental line from WSU (WA00793) that has an Eltan x Estica pedigree. Fourteen of the highest yielding varieties were statistically equal in this nursery and half of these varieties have Eltan in their pedigree. The balance of varieties/experimental lines has average yields that are very comparable – with little 'statistical' difference except for those that were affected by winter injury.
6. Average **Test Weight** value was 60.5 lbs/bu and over 75% of the varieties/experimental lines exceeded 60.0 lbs/bu test weight. Late May and June rainfall patterns coupled with cool weather were obviously very favorable to kernel development and fill. **Percent grain protein** average was 9.9%.