

**2006 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT DUSTY, 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
WA007973			96.6	91.8	58.9	10.5	0	32.3	151.5
RELY	98.7	103.4	93.3	86.4	59.2	10.6	0	30.3	152.3
CODA	92.2	92.9	91.7	84.7	60.9	10.8	0	30.8	151.9
ROD	101.0	102.6	88.7	83.3	58.1	10.6	0	28.5	151.9
TUBBS	103.2	110.6	93.7	83.3	59.2	10.5	0	31.3	150.0
BRUEHL	94.4	95.3	92.8	82.8	57.9	11.5	0	33.5	153.4
ORCF-102			87.8	81.7	60.2	11.0	0	31.0	150.0
ORCF-101		98.3	88.7	81.2	59.0	11.2	0	29.5	150.0
ARSC96059-1			90.2	81.1	60.4	11.9	0	33.3	151.5
ARS00258				81.0	59.7	10.8	0	29.8	151.5
TUBBS 06				80.9	59.3	11.2	0	31.5	150.0
GEORGE		100.2	92.3	80.8	59.2	11.0	0	32.5	153.4
ARSC96059-2				80.3	60.4	11.5	0	33.8	151.9
MOHLER	97.0	100.0	85.3	80.2	59.9	10.8	0	30.5	150.0
WB 528		97.0	82.1	80.2	61.3	10.9	0	28.3	147.0
MADSEN/ROD				80.1	59.2	10.9	0	29.3	151.5
BRUNDAGE 96	95.3	97.3	87.7	79.6	58.8	11.1	0	28.0	149.6
ORSS-1757			87.9	79.0	59.6	10.3	0	28.3	148.5
ELTAN	91.8	91.5	87.1	78.8	59.8	11.4	0	33.5	153.4
HILL 81	92.9	95.6	84.8	78.8	60.3	11.2	0	31.0	152.3
RJAMES		102.4	91.8	78.7	59.0	10.9	0	27.3	151.5
MASAMI	99.1	99.6	91.4	78.4	58.8	10.5	0	32.0	153.0
ARS00235		95.9	88.5	78.2	59.6	11.9	0	33.0	153.0
HILLER	86.3	89.4	88.5	78.0	57.1	10.4	0	29.8	151.5
SIMON	86.6	88.1	82.1	77.6	59.4	11.0	0	30.5	150.0
HUBBARD	91.6	92.0	83.7	77.5	60.0	11.1	0	35.0	151.5
CHUKAR	93.4	95.2	87.3	76.6	57.9	10.5	0	29.8	153.4
WA008000				76.4	59.5	11.0	0	30.5	152.6
WA007934		90.1	86.7	75.8	59.5	11.7	0	30.8	152.6
IDAHO 587		91.7	83.0	75.8	58.5	11.3	0	27.5	148.5
BU6W99-456				75.8	61.7	11.8	0	26.5	147.0
FINCH	93.5	92.7	86.4	75.6	60.6	11.4	0	31.0	153.0
BU6W00-523				75.2	61.3	11.6	0	29.0	148.9
WA007971			83.5	75.0	56.9	10.7	0	27.8	153.0
LAMBERT	88.3	86.1	82.7	74.9	59.6	10.9	0	31.0	148.1
STEPHENS	87.9	89.9	83.6	74.3	59.2	11.0	0	28.5	147.4
EDWIN	82.3	81.4	81.4	73.6	60.8	11.1	0	32.3	151.5
WA007970			85.5	73.6	60.2	11.4	0	29.3	153.4
ID990435				73.6	58.8	11.4	0	31.5	148.5
ORH010920				73.4	59.9	11.0	0	26.3	146.3
MADSEN	89.6	89.4	81.2	73.3	59.7	11.3	0	29.5	151.9
CONCEPT		90.4	80.0	73.2	60.7	10.7	0	28.0	151.1
WA007935		92.0	85.4	72.7	60.0	11.6	0	31.8	153.4
ARS97135-9		89.4	82.7	71.5	57.7	11.1	0	28.5	153.0
MJ-4	88.7	88.3	84.7	71.3	58.2	11.3	0	29.5	152.6
ARS99123				70.9	60.3	11.8	0	26.3	148.9
CASHUP	85.0	87.0	76.9	70.5	60.3	10.1	0	28.3	150.4
BZ6WM02-1020				70.2	60.8	11.3	0	28.5	151.5
MJ-9	95.0	98.1	83.4	69.6	58.7	11.0	0	27.3	150.4
9222407A				68.3	60.7	11.7	0	32.0	151.9
BZ6WM02-1154				68.0	60.4	11.1	0	27.3	148.5
LEWJAIN	82.4	80.6	79.8	66.6	58.7	11.8	0	29.0	153.8
ID990419				64.5	60.2	11.3	0	30.0	152.6
WA007999				60.8	56.7	11.6	0	24.8	150.0
C.V. %	12.2	13.8	6.2	6.3	1.1	4.4	--	--	--
LSD '@. 10'	5.7	8.5	4.3	5.7	0.7	0.6	--	--	--
Average	92.0	93.8	86.4	76.4	59.5	11.1	0	30.0	151.0
Highest	103.2	110.6	96.6	91.8	61.7	11.9	0	35.0	153.8
Lowest	82.3	80.6	76.9	60.8	56.7	10.1	0	24.8	146.3

## DUSTY SOFT WINTER WHEAT – 2006 WSU VARIETY TESTING DATA

1. 2006 Soft White Winter Wheat **YIELD DATA** from the WSU Variety Testing nursery at the Dusty, WA location averaged 76.4 bu/ac that was about **18.5% lower** than the 3-year average at this location. *NOTE: The Dusty nursery was located eight miles west of Dusty, WA off SR26 and Mud Flat Rd (C. Fleming farm).*
2. Part of the reason for the lower than average yield at this location was a function of dry September seeding conditions that resulted in this nursery being **planted later than normal** on 14 October 2005 on summer fallow ground. The nursery was seeded into good soil moisture that was about 1-2-inches below the surface. This nursery had excellent emergence that resulted in a very even and uniform stand, however, plants were fairly small going into the winter.
3. **Stripe rust** was not a factor in the 2006 nursery.
4. **Yield differences** among the varieties had a range of 60.8 bu/ac to 91.8 bu/ac; however, many varieties/experimental lines had yields that were grouped very closely together and statistically equal. The mid-February 2006 cold snap did not appear to cause much injury; however, the plants exhibited delayed spring regrowth compared to previous years and did not have as well a developed root/crown system in the early spring. Because of this it is speculated that all varieties took kind of a yield hit from the drought/heat stress conditions from mid-April to mid-May before cooler temperatures and precipitation occurred at the end of May into the first of June. Late season precipitation and cooler weather during kernel development seemed to enhance test weight values for all varieties however.
5. Average **Test Weight** values averaged 59.5 lb/bu with a **Percent grain protein** range of 10.1% to 11.9%. Part of the reason for the elevated protein values could be explained by fertilizing for yields higher than were attained.