

2007 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT DUSTY, WA.

Variety Name <small>*Club Italized</small>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2007					
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
ORCF-102		85.9	81.9	82.1	58.3	12.1	0	30.0	146.6
LAMBERT	84.9	82.1	77.9	81.0	57.4	11.8	0	32.0	145.9
BU6W99-456			78.1	80.5	58.7	12.5	0	26.8	144.0
ID990435			76.7	79.9	57.8	11.9	0	32.0	145.9
TUBBS	100.9	89.1	81.5	79.8	56.7	11.2	0	30.5	147.8
WB 528	91.3	81.0	79.6	78.9	58.9	11.6	0	27.8	144.4
MOHLER	93.2	82.7	78.9	77.6	57.5	12.1	0	28.5	147.0
TUBBS 06			79.2	77.5	56.3	11.4	0	31.0	147.8
XERPHA		90.2	84.6	77.3	56.8	12.0	0	29.3	151.1
BU6W00-523			76.1	77.1	57.4	11.3	0	28.5	148.1
MADSEN/ROD			78.6	77.1	55.9	12.0	0	28.3	151.1
SIMON	85.3	80.4	77.2	76.9	57.1	11.6	0	29.5	148.9
ROD	94.6	84.4	79.5	75.7	54.9	11.6	0	26.0	151.1
SALUTE				75.1	54.8	12.3	0	29.0	147.4
9364901A				75.0	56.9	12.2	0	29.3	150.8
CODA	88.5	86.1	79.8	74.9	58.9	11.8	0	28.8	151.5
RJAMES		86.1	76.7	74.8	55.1	11.6	0	26.0	152.3
BRUNDAGE 96	90.8	83.1	76.6	73.7	55.0	12.5	0	28.3	147.8
RELY	94.5	86.5	79.7	73.0	57.0	12.2	0	26.8	151.1
STEPHENS	85.1	79.7	73.1	71.9	55.2	13.1	0	28.0	144.8
CASHUP	82.1	75.1	71.1	71.6	58.0	11.4	0	26.3	150.0
ELTAN/TUBBS				71.1	55.7	11.9	0	30.8	148.9
ROD/TUBBS				71.1	56.1	11.5	0	29.8	148.9
MADSEN	84.3	77.8	72.1	71.0	56.8	12.6	0	28.0	150.8
AP 700 CL				70.6	57.5	12.0	0	30.3	145.9
ID02-859				70.4	54.3	12.6	0	27.0	147.8
ARSC96059-1		83.5	75.6	70.1	58.6	12.9	0	30.8	150.4
MASAMI	91.6	84.3	74.2	70.1	55.6	11.2	0	29.3	152.3
ORI2042037				70.1	56.3	13.6	0	27.8	152.3
WA008000			73.2	69.9	57.4	12.2	0	28.3	151.5
MJ-4	83.9	79.3	69.9	68.5	55.7	11.4	0	28.3	151.5
BZ6WM02-1020			69.2	68.1	57.4	11.7	0	26.5	151.1
IDAHO 587	85.5	78.0	71.9	68.0	55.7	13.2	0	27.8	146.6
ORCF-101	89.1	81.5	74.1	67.1	56.4	13.1	0	28.5	147.4
ARS970278-2				67.0	56.4	12.7	0	28.8	149.6
WA008021				66.9	57.4	12.4	0	28.0	151.9
FINCH	86.3	79.7	71.0	66.4	56.9	12.1	0	28.3	153.0
9222407A			67.4	66.4	57.6	12.4	0	31.0	151.5
CONCEPT		75.5	69.8	66.4	56.3	12.3	0	26.0	150.8
MJ-9	90.0	77.5	67.7	65.8	54.0	12.4	0	24.5	149.6
ELTAN/MADSEN				65.6	57.2	11.6	0	29.5	152.3
EDWIN	77.2	76.1	69.5	65.5	59.1	12.4	0	31.0	150.8
ELTAN	85.1	79.5	71.6	64.3	56.5	12.6	0	31.8	153.0
WA008020				63.4	55.8	12.8	0	25.8	153.0
GEORGE		82.5	71.8	62.9	57.0	12.2	0	30.0	152.6
CARA		74.8	65.2	58.9	55.2	13.3	0	25.5	152.3
ARS00235	86.5	76.9	65.9	53.7	58.1	13.1	0	29.5	152.6
WA007934	81.7	75.1	63.9	52.1	56.4	13.2	0	30.0	152.6
BRUEHL	84.7	78.2	65.8	48.9	57.1	13.8	0	28.3	152.6
CHUKAR	84.1	73.9	61.8	47.1	56.2	14.0	0	28.0	152.3
C.V. %	12.3	7.7	8.7	10.8	2.0	6.7	--	--	--
LSD '@ .10'	5.5	4.1	5.2	8.8	1.3	1.0	--	--	--
Average	87.5	80.9	73.8	70.0	56.7	12.3	0	28.6	149.8
Highest	100.9	90.2	84.6	82.1	59.1	14.0	0	32.0	153.0
Lowest	77.2	73.9	61.8	47.1	54.0	11.2	0	24.5	144.0

LACROSSE SOFT WHITE WINTER WHEAT – 2007 WSU VARIETY TESTING DATA

1. 2007 Soft White Winter Wheat **YIELD DATA** from the WSU Variety Testing nursery at the Lacrosse location averaged 70.0 bu/ac; however, adapted varieties that have historically performed well in this area had yields that were similar to just slightly less than historical yield averages. *NOTE: The Lacrosse nursery was located five miles northeast of Lacrosse on Union Flat Creek Road (R. Barry farm). This is a different winter wheat location than in previous years and is approximately 10 miles northwest of the previous location that was referred to as being in the Dusty, WA area.*
2. This nursery was **seeded** on 6 October 2006 on summer fallow ground using a double disc plot drill with a seeding rate was 85# per acre. The nursery had even emergence that resulted in a uniform stand. In general, the cold snaps at the end of October 2006 and the 10-day cold-snap in mid-January (11-21 Jan 2007) had minimal winter injury impact.
3. **Yield differences** had a range of 47.1 to 82.1 bushels per acre; however, many varieties/lines had yields that were grouped very closely together and not statistically different. In general, yield rankings followed historical yield trends for the varieties that have been tested. It appears that varieties with an earlier spring growth habit and/or maturity (note heading date) had a yield advantage at this location compared to late maturing Eltan-types. For example, 6 of the 10 lowest yielding varieties had Eltan (late variety) as part of their pedigree.
4. Wheat quality in terms of **test weight** was generally very low in this nursery with an average test weight value of 56.7 lbs/bu. Again, many of the later maturing varieties/lines had noticeably lower test weight values that were probably a function of June 2007 heat stress during grain fill coupled with below normal spring precipitation that left crowns and roots in very dry soil during kernel development and fill.