

## 2009 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT FAIRFIELD, WA.

Variety Name <i>*Club Italicized</i>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2009					
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
XERPHA	114.9	100.8	94.4	111.1	59.7	10.9	0	32.3	161.5
LEGION			97.5	110.6	59.2	11.1	0	34.7	161.0
ARS970170-2L				103.1	59.7	11.5	0	32.7	161.5
OR2060324				101.8	57.9	10.5	0	28.3	161.5
ELTAN	111.5	100.5	96.8	100.5	60.6	10.9	0	33.7	162.0
ELTAN/TUBBS06			91.3	99.4	59.3	11.2	0	35.0	161.5
CHUKAR	102.6	87.0	81.1	98.2	58.4	11.0	0	29.0	161.0
MASAMI	106.0	91.9	85.9	98.0	59.2	10.7	0	33.3	163.0
FINCH	101.5	87.0	82.2	97.8	60.6	11.4	0	32.0	163.0
ORCF-102	119.4	105.2	99.7	97.5	60.2	11.3	0	32.3	159.5
ORCF-103		103.4	98.4	97.5	60.1	11.5	0	32.0	163.0
WA008064			83.4	97.0	59.4	11.7	0	29.3	156.5
WB 523		95.0	87.6	96.4	60.5	11.2	0	30.3	158.0
9364901A		93.7	84.1	95.9	60.4	10.8	0	31.7	161.0
ROD/TUBBS06			84.7	95.2	58.6	11.5	0	33.3	161.0
OR2040726				94.4	59.2	10.9	0	28.7	157.0
ELTAN/MADSEN		91.1	85.0	94.3	59.8	11.9	0	33.0	161.5
WB 1066M			84.0	94.0	61.5	11.5	0	33.3	157.0
AP LEGACY			90.1	93.3	60.3	11.1	0	31.3	160.0
CASHUP	103.9	87.0	82.9	93.2	59.9	10.9	0	27.7	159.5
BITTERROOT		87.4	78.4	92.2	60.2	11.7	0	33.0	162.0
ROD	105.7	89.3	79.8	92.0	58.7	10.9	0	29.7	160.5
WB 456		86.6	79.1	92.0	61.2	11.8	0	30.7	155.0
ORCF-101	112.0	96.7	90.9	91.5	59.4	11.3	0	32.0	160.0
GEORGE	109.5	95.1	89.5	91.5	59.0	11.6	0	34.7	163.0
SKILES			83.7	91.4	59.5	12.1	0	32.0	161.0
ID02-859		93.8	87.2	91.3	59.1	11.5	0	29.3	161.0
BRUNDAGE 96	109.6	93.1	86.1	91.2	58.7	11.1	0	30.7	159.5
WB 1020M		96.7	95.1	90.9	61.3	10.5	0	30.0	161.0
AP 700 CL		98.0	93.5	90.9	60.2	10.9	0	31.0	159.0
CDC PTARMIGAN				90.9	59.7	10.5	0	35.7	160.0
CARA	101.6	81.7	76.4	90.1	59.1	10.9	0	27.0	160.5
WA008065			84.3	89.8	60.6	11.4	0	31.0	159.0
WB-528	103.5	90.2	80.8	89.7	60.7	11.1	0	31.3	155.0
SALUTE		90.3	81.8	88.5	58.8	11.0	0	31.3	159.0
WA008093				88.2	59.7	11.4	0	28.7	158.5
BRUEHL	105.0	88.6	82.9	88.1	59.5	11.2	0	31.7	162.5
KCF08001				88.1	59.8	11.7	0	30.3	156.0
WA008092				88.0	60.4	11.3	0	31.3	162.5
LAMBERT	107.2	90.6	83.6	87.6	60.4	11.0	0	32.7	156.0
STEPHENS	103.6	85.9	77.8	87.3	60.0	11.0	0	29.3	155.5
ORI2060306				87.3	60.0	11.4	0	30.0	160.5
MADSEN/ROD		91.6	84.4	87.1	59.5	11.3	0	31.0	161.5
WA008063			80.3	87.1	60.6	11.0	0	27.3	155.5
ARS970071-3C				86.4	60.5	11.0	0	31.3	160.5
MADSEN	101.8	86.2	78.5	86.1	60.2	11.3	0	30.0	161.5
SIMON	102.0	85.9	72.8	86.1	60.1	11.3	0	31.0	159.0
WA008066			73.8	86.0	60.9	11.4	0	30.0	162.5
OR2050293				86.0	59.5	11.2	0	29.3	160.0
WA008094				85.9	59.2	11.8	0	32.3	162.0
ARS970168-2C			80.3	84.1	61.9	11.5	0	29.7	162.0
TUBBS 06		87.5	78.6	83.7	59.4	10.8	0	33.0	160.5
ID990435		91.5	83.1	81.3	59.5	11.1	0	35.0	157.5
RJAMES	107.9	88.9	79.7	80.2	59.1	11.2	0	29.7	161.0

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Variety Name <small>*Club Italicized</small>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2009					
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
<b>KCF08002</b>				76.9	60.0	11.4	0	29.3	156.0
<i>CODA</i>	101.1	85.3	74.7	76.5	<b>61.3</b>	11.5	0	29.0	162.0
<b>BZ6W02-616</b>				76.0	61.0	11.4	0	30.7	155.5
<b>WB 1070M</b>				75.6	<b>61.5</b>	12.5	0	29.0	154.5
<b>C.V. %</b>	9.7	10.2	11.7	11.5	1.2	4.1	--	6.0	0.8
<b>LSD '@ .10'</b>	5.2	6.5	8.9	14.1	0.9	0.6	--	2.5	1.8
<b>Average</b>	106.5	91.6	84.7	90.9	59.9	11.3	0	31.1	159.8
<b>Highest</b>	119.4	105.2	99.7	111.1	61.9	12.5	0	35.7	163.0
<b>Lowest</b>	101.1	81.7	72.8	75.6	57.9	10.5	0	27.0	154.5

## Fairfield Soft White Winter Wheat – Preliminary Data

1. Grain yield in the Fairfield soft white winter wheat trial averaged 91 bushels/acre, 15 bushels/acre lower than the 5-year average yield at this location. The Fairfield nursery was located about 3 miles south east of Fairfield, WA (Al Anderberg, cooperator).
2. In previous years, the trial at this location followed a grain legume crop. Previous work shows that wheat after wheat does not perform as well as wheat following a legume crop, and this helps explain the lower than average yield for this trial. Also at this location, previous results show that Clearfield varieties out-performed other varieties and no Beyond was applied. This indicates that there could be carryover herbicide from previous crop(s). We did not want that complication for the trial and thus the wheat after wheat crop sequence for this trial.
3. This nursery was seeded on 29 September, 2008 following winter wheat. Seed was placed at an 85#/acre seeding rate using a double disc plot drill set on 6-inch spacing. Base fertilizer was 100#N and 15#S (all per acre) applied in the fall. Seeding conditions produced good stands that overwintered well. Alpha Lattice experimental designs improved variation allocation during statistical analysis and the CV by 41% compared to previously used designs.
4. Yields ranged from 76 bu/ac to 111 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and included 11 cultivars and blends. Club variety names are designated by italic print.
5. Test weights were good with an average of 59.9 lb/bu. Grain protein averaged 11.3% with a range of 10.5 to 12.5%. The average plant height was 31 inches.