

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

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
WA008066			94.0	106.5	62.0	11.3	0	33.7	165.0
ORCF-102	93.9	86.5	90.4	105.9	60.2	11.0	0	34.7	164.0
ELTAN/MADSEN		89.8	91.8	105.8	60.3	10.4	0	36.0	165.5
CDC PTARMIGAN				105.8	59.1	10.4	0	37.0	162.0
TUBBS 06		80.7	81.6	104.5	58.9	10.5	0	36.0	163.5
ELTAN	96.1	82.9	87.1	103.0	61.1	11.8	0	34.7	164.5
GEORGE	99.5	89.3	92.7	102.4	59.3	11.1	0	34.3	165.5
XERPHA	101.2	88.6	91.1	101.9	60.1	11.2	0	34.0	164.5
RJAMES	92.2	81.2	86.0	101.5	59.1	10.9	0	30.3	163.0
ID02-859		90.5	94.0	100.9	58.7	10.9	0	30.3	162.0
FINCH	97.2	88.6	94.3	100.8	61.7	11.2	0	32.0	165.5
MADSEN/ROD		85.6	89.0	99.8	59.7	11.2	0	32.3	164.5
LEGION			83.1	99.4	58.7	11.4	0	36.0	164.0
<i>BRUEHL</i>	90.5	81.7	85.6	99.2	59.8	11.1	0	35.0	164.5
CASHUP	90.8	81.1	83.0	98.8	60.6	10.9	0	29.3	163.5
ORCF-103		83.7	83.3	98.2	60.0	11.1	0	33.0	165.5
WB 523		83.6	84.2	97.2	60.7	11.4	0	32.3	161.5
WB 1020M		77.5	79.3	96.7	60.3	11.1	0	27.7	162.0
<i>CARA</i>	92.9	83.2	87.9	96.6	59.4	11.0	0	28.0	163.5
AP LEGACY			86.5	96.1	60.6	11.2	0	32.3	163.0
WA008094				95.4	61.1	11.8	0	34.3	164.5
AP 700 CL		74.8	74.9	95.2	59.3	11.5	0	32.3	162.5
ROD/TUBBS06			80.6	95.2	59.1	10.8	0	33.7	163.5
OR2060324				95.2	56.8	10.8	0	28.3	165.0
ID990435		76.5	73.8	95.1	59.4	11.0	0	34.0	161.0
MASAMI	92.7	82.5	84.8	95.0	59.1	10.7	0	33.0	165.0
ARS970170-2L				94.6	60.6	10.6	0	34.0	164.5
ORI2060306				94.4	60.2	12.2	0	31.0	163.5
OR2040726				93.9	60.2	11.4	0	29.7	160.5
SKILES			85.7	93.6	59.6	11.8	0	30.7	163.5
WA008092				93.0	60.3	11.5	0	34.0	165.5
OR2050293				92.6	59.2	11.5	0	29.7	161.5
<i>ARS970168-2C</i>			84.6	90.8	62.3	11.7	0	29.7	163.0
SIMON	83.5	76.1	75.2	90.7	59.9	11.3	0	33.0	163.5
WA008065			78.2	90.4	60.7	11.9	0	31.7	160.5
ELTAN/TUBBS06			84.6	90.3	60.3	11.0	0	34.0	164.5
BRUNDAGE 96	96.2	85.2	84.2	89.1	58.5	10.7	0	30.3	161.0
MADSEN	87.7	77.9	76.9	88.9	59.7	11.2	0	31.7	165.0
<i>CHUKAR</i>	93.6	80.2	82.8	88.8	58.8	10.8	0	29.7	164.5
WA008063			77.9	88.6	60.9	12.1	0	30.3	158.5
<i>ARS970071-3C</i>				88.4	59.9	11.5	0	33.7	162.5
ORCF-101	81.9	78.6	79.1	87.3	59.3	11.6	0	32.0	164.0
WA008093				87.1	59.2	11.4	0	30.7	163.5
KCF08002				85.9	59.6	11.3	0	33.3	159.0
BITTERROOT		75.8	75.7	85.8	60.4	11.0	0	35.3	164.5
KCF08001				85.4	60.2	11.7	0	32.3	159.0
LAMBERT	91.2	77.7	72.6	85.3	59.9	11.3	0	33.0	160.5
9364901A		75.6	72.7	85.3	60.1	10.8	0	29.7	163.5
WA008064			72.1	85.1	61.1	11.5	0	29.3	159.0
WB-528	76.4	72.0	71.2	84.3	61.2	11.6	0	31.0	159.5
STEPHENS	76.2	69.9	68.0	84.2	59.1	11.3	0	30.3	160.5
WB 1066M			76.3	83.4	61.1	11.7	0	32.3	159.5
WB 456		72.3	73.9	83.0	61.1	11.6	0	30.7	157.5
<i>CODA</i>	91.3	77.9	79.2	82.1	61.2	11.7	0	32.0	164.5

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
ROD	89.9	76.3	76.6	82.1	59.3	10.2	0	31.0	165.0
SALUTE		73.9	70.3	81.8	58.7	11.1	0	30.7	161.5
BZ6W02-616				79.8	60.9	11.3	0	32.0	157.0
WB 1070M				72.2	62.1	13.1	0	29.3	157.0
C.V. %	11.1	12.0	12.9	11.4	0.9	5.5	--	4.8	0.5
LSD '@ .10'	5.2	7.0	9.5	14.4	0.7	0.8	--	2.1	1.1
Average	90.8	80.5	81.7	92.8	60.0	11.3	0	32.1	162.7
Highest	101.2	90.5	94.3	106.5	62.3	13.1	0	37.0	165.5
Lowest	76.2	69.9	68.0	72.2	56.8	10.2	0	27.7	157.0

Reardan Soft White Winter Wheat – Preliminary Data

1. Grain yield in the Reardan soft white winter wheat trial averaged 93 bushels/acre, 2 bushels/acre higher than the 5-year average yield at this location. The Reardan nursery was located about 6 miles west of Reardan, WA (Hal Johnson, cooperator).
2. This nursery was seeded on 25 September, 2008 following summer fallow. Seed was placed at an 85#/acre seeding rate using a double disc plot drill set on 6-inch spacing. Base fertilizer was 85#N, 7#P, and 5#S 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 47% compared to previously used designs.
3. Yields ranged from 72 bu/ac to 107 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and included 32 cultivars and blends, more than half of the entries listed. Club variety names are designated by italic print. There was more variability than desired at this trial that contributed to a 11.4 CV value.
4. Test weights were good with an average of 60.0 lb/bu. Grain protein averaged 11.3% with a range of 10.2 to 13.1%. The average plant height was 32 inches.