

## 2009 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT COLTON, 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
9364901A		132.1	135.0	135.1	59.2	7.6	0.0	37.3	160.5
AP LEGACY			132.3	132.6	60.0	7.9	0.0	38.0	159.5
XERPHA	133.6	124.4	128.9	128.0	58.8	7.7	0.0	36.7	160.5
CDC PTARMIGAN				127.3	58.4	7.7	30.0	43.3	160.0
MASAMI	122.9	115.4	116.9	122.8	59.2	7.2	0.0	39.7	162.0
SIMON	120.4	116.0	119.7	121.8	59.7	8.4	0.0	38.3	159.0
LEGION			126.8	121.4	58.8	7.4	0.0	40.3	158.5
ROD	128.4	120.4	121.2	119.2	59.2	7.6	0.0	36.0	161.5
OR2060324				118.8	57.1	8.0	0.0	34.3	161.5
ELTAN/TUBBS06			124.2	117.1	59.8	7.8	0.0	40.0	160.5
WA008093				116.2	58.6	8.1	0.0	37.0	159.0
SALUTE		120.0	122.2	115.7	59.0	8.3	0.0	39.0	159.0
ELTAN/MADSEN		116.4	118.7	115.5	59.7	7.8	0.0	40.0	162.0
<i>CODA</i>	123.3	117.0	118.9	114.7	60.6	8.3	0.0	38.3	162.0
<i>BRUEHL</i>	123.0	117.1	119.2	114.5	58.0	7.9	0.0	40.3	163.5
WB 523		112.3	117.6	114.5	59.5	8.2	0.0	34.3	159.0
OR2040726				113.1	59.7	8.1	0.0	34.0	157.0
ID990435		121.0	129.0	112.5	58.9	7.9	0.0	40.3	157.0
ORCF-102	133.7	122.3	124.8	112.5	59.8	8.3	0.0	38.7	160.5
CASHUP	116.4	104.7	105.1	112.3	59.5	8.1	0.0	35.0	161.5
KCF08002				112.3	60.5	8.6	0.0	38.0	156.0
GEORGE	123.3	118.0	121.7	112.2	59.1	7.6	0.0	40.0	163.0
ROD/TUBBS06			120.0	112.0	59.0	7.7	0.0	37.7	160.0
MADSEN/ROD		115.6	116.8	111.9	59.3	7.4	0.0	36.7	161.0
ELTAN	129.8	124.4	125.6	111.3	60.0	7.5	0.0	40.7	162.5
WA008094				110.9	60.9	8.0	0.0	41.7	161.5
FINCH	121.4	113.5	119.0	110.5	60.5	7.6	0.0	36.7	162.0
STEPHENS	124.3	117.5	119.7	110.5	58.9	8.5	0.0	35.7	156.0
WA008063			110.0	110.3	60.1	8.0	0.0	35.3	155.0
ID02-859		113.9	118.9	110.2	58.2	7.6	0.0	35.0	159.5
ARS970170-2L				110.2	60.0	7.5	0.0	37.7	161.5
TUBBS 06		116.4	117.7	109.8	59.3	7.8	0.0	38.0	159.5
WB 1066M			116.3	109.6	61.5	8.8	0.0	40.3	155.0
WA008066			119.0	109.4	60.6	7.7	0.0	37.0	162.5
ORCF-103		120.6	124.0	108.8	58.8	7.9	0.0	38.0	162.5
LAMBERT	122.8	113.2	118.3	108.5	59.7	7.9	0.0	39.7	156.5
BRUNDAGE 96	118.9	113.9	114.3	108.4	58.6	8.0	0.0	34.3	158.5
WB 1020M		108.8	114.6	108.3	59.6	8.1	0.0	34.3	161.5
SKILES			104.9	108.3	60.5	8.7	0.0	36.3	161.0
WA008064			110.4	107.6	60.2	8.3	0.0	33.7	155.0
MADSEN	117.3	106.4	107.7	107.4	59.7	8.4	0.0	36.3	161.0
RJAMES	121.9	113.1	112.3	106.8	58.7	7.7	0.0	33.7	160.5
WA008065			113.0	105.8	61.7	8.2	0.0	36.0	159.0
WA008092				105.6	60.0	8.2	0.0	41.0	163.5
AP 700 CL		112.6	117.9	105.3	60.4	8.3	0.0	37.3	158.5
ORI2060306				104.8	59.1	8.3	0.0	35.7	160.0
<i>CHUKAR</i>	118.7	106.2	105.1	103.4	57.7	7.3	0.0	34.7	161.5
<i>CARA</i>	113.8	102.9	102.8	102.5	57.1	7.5	0.0	33.0	161.5
BITTERROOT		108.0	108.5	102.5	59.2	7.6	0.0	38.0	161.5
<i>ARS970071-3C</i>				101.7	59.6	7.9	0.0	39.0	160.5
OR2050293				100.9	58.3	7.8	0.0	32.7	158.0
ORCF-101	122.3	111.0	113.7	100.3	59.0	8.2	0.0	35.0	159.5
WB 1070M				99.3	61.8	9.4	0.0	34.3	153.0
WB-528	120.4	114.3	114.3	99.0	61.0	8.3	0.0	35.3	154.5

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
<i>ARS970168-2C</i>			102.5	98.1	60.3	8.4	0.0	34.7	162.0
<b>BZ6W02-616</b>				96.5	60.2	8.5	0.0	36.0	154.5
<b>WB 456</b>		100.5	99.3	96.3	<b>61.6</b>	8.6	0.0	33.3	154.5
<b>KCF08001</b>				95.0	60.3	8.2	0.0	37.0	156.0
<b>C.V. %</b>	7.5	7.8	8.7	8.5	0.6	3.8	1341.6	4.1	0.5
<b>LSD '@ .10'</b>	4.8	6.3	9.0	12.8	0.5	0.4	9.1	2.1	1.1
<b>Average</b>	122.8	114.8	117.0	110.7	59.6	8.0	0.5	37.1	159.5
<b>Highest</b>	133.7	132.1	135.0	135.1	61.8	9.4	30.0	43.3	163.5
<b>Lowest</b>	113.8	100.5	99.3	95.0	57.1	7.2	0.0	32.7	153.0

## Colton Soft White Winter Wheat – Preliminary Data

1. Grain yield in the Colton soft white winter wheat trial averaged 111 bushels/acre, 12 bushels/acre lower than the 5-year average yield at this location. The Colton nursery was located about 1 miles south of Colton, WA (Art Schultheis, cooperator).
2. This nursery was seeded on 1 October, 2008 following lentils. Seed was placed at an 85#/acre seeding rate using a no-till drill using cross-slot openers set on 10-inch spacing. Base fertilizer was 120#N, 16#P, 16#K, and 16#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 25% compared to previously used designs.
3. Yields ranged from 95 bu/ac to 135 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and included 5 cultivars. Club variety names are designated by italic print.
4. Test weights averaged 59.6 lb/bu. Grain protein averaged 8.0% with a range of 7.2 to 9.4%. The average plant height was 37 inches.