

2009 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT FARMINGTON, 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
ORI2060306				150.0	59.4	13.0	0.0	40.3	162.0
ORCF-102	138.6	136.3	137.0	149.9	60.9	11.8	10.0	43.3	162.0
ORCF-101	129.2	123.9	130.1	145.7	59.3	12.6	6.7	41.3	160.5
OR2040726				145.4	60.0	11.9	3.3	38.3	160.0
AP LEGACY			128.5	144.3	60.5	11.6	5.0	43.0	161.5
OR2050293				144.1	57.9	12.4	3.3	36.7	161.5
<i>CARA</i>	116.4	106.6	109.8	143.7	58.0	12.1	0.0	37.7	162.5
AP 700 CL		130.8	131.2	143.7	58.2	12.2	8.3	41.3	160.5
XERPHA	133.9	128.5	136.2	143.1	58.7	12.1	25.0	41.0	162.5
MADSEN/ROD		117.4	122.8	142.0	58.7	12.2	0.0	41.7	163.0
WB 523		122.0	122.5	141.8	60.1	11.9	35.0	39.0	161.0
STEPHENS	119.0	115.1	116.8	141.3	59.0	11.4	13.3	39.3	159.0
CASHUP	125.1	118.4	122.3	140.8	59.2	11.5	30.0	40.0	162.5
ROD	126.1	118.9	117.1	140.7	58.0	11.5	11.7	40.7	162.0
OR2060324				140.2	56.9	11.2	0.0	37.0	163.0
WA008093				139.8	57.5	12.3	0.0	39.7	160.5
9364901A		120.0	122.3	139.6	60.6	11.6	0.0	40.3	161.0
SALUTE		122.0	122.9	139.6	58.0	12.2	76.7	42.7	160.5
<i>BRUEHL</i>	121.8	112.9	121.9	139.2	58.0	12.2	18.3	42.3	163.5
LAMBERT	130.0	124.5	129.8	138.7	59.7	11.4	36.7	43.3	160.0
WB-528	127.7	117.4	118.3	138.4	61.4	12.2	0.0	40.3	157.0
WA008063			114.3	137.9	58.1	12.4	0.0	37.7	157.5
TUBBS 06		111.4	114.5	136.6	58.3	11.9	31.7	43.0	160.5
WB 1066M			120.1	136.5	62.5	12.6	35.0	45.7	158.0
ROD/TUBBS06			124.4	136.5	58.4	11.6	11.7	42.0	162.0
ID990435		127.6	126.0	136.3	57.8	12.7	65.0	44.7	160.0
LEGION			127.0	135.8	58.0	11.9	86.7	42.3	162.5
FINCH	125.7	122.0	125.7	135.6	60.0	11.9	23.3	41.0	164.5
<i>CHUKAR</i>	118.3	106.3	107.9	135.4	57.7	12.1	26.7	41.0	162.0
WB 456		115.4	113.2	135.4	61.5	12.9	0.0	39.7	157.5
WA008066			118.9	135.3	60.7	11.8	0.0	42.0	163.0
SIMON	124.1	115.2	114.3	135.0	60.6	12.0	3.3	41.7	161.0
WB 1070M				134.6	61.6	12.8	0.0	38.7	154.5
BITTERROOT		110.3	114.2	133.5	60.7	12.0	36.7	43.3	162.5
SKILES			116.3	133.3	60.0	12.5	3.3	37.3	162.0
WA008065			119.5	131.7	59.5	12.8	31.7	39.7	161.0
ID02-859		116.6	125.0	130.9	57.8	11.8	20.0	41.0	161.5
ELTAN/MADSEN		118.6	118.5	130.6	59.6	12.1	26.7	42.3	163.0
WB 1020M		116.2	118.0	129.1	57.7	12.3	63.3	39.7	162.5
ELTAN/TUBBS06			118.1	129.1	58.3	12.0	68.3	42.0	161.5
RJAMES	113.5	109.3	115.8	127.6	56.0	11.8	70.0	36.0	161.0
MASAMI	111.2	114.3	116.8	127.4	58.1	11.6	5.0	42.0	163.5
<i>ARS970071-3C</i>				127.4	57.6	12.8	91.7	41.3	161.5
BRUNDAGE 96	119.8	115.2	116.8	126.1	59.1	12.0	0.0	39.0	161.0
BZ6W02-616				124.4	59.5	12.1	53.3	40.3	156.0
WA008064			108.7	124.0	59.1	12.5	0.0	37.3	157.5
ORCF-103		112.1	119.1	123.1	57.3	12.3	83.3	40.3	163.0
ELTAN	104.8	100.9	109.4	121.9	58.6	12.4	83.3	39.7	163.5
WA008092				121.8	57.6	12.7	70.0	38.7	164.5
MADSEN	116.0	105.5	106.5	121.6	59.2	12.6	13.3	41.7	162.5
<i>ARS970168-2C</i>			107.1	120.3	60.0	12.2	23.3	38.7	162.5
GEORGE	110.3	105.2	114.4	119.1	57.7	12.0	65.0	41.3	163.5
KCF08001				119.1	58.2	12.2	65.0	41.0	159.5
KCF08002				118.9	58.1	12.1	75.0	39.7	159.0

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
ARS970170-2L				117.4	58.1	12.2	73.3	40.3	163.0
WA008094				116.1	58.6	12.7	68.0	42.0	163.5
<i>CODA</i>	113.1	103.8	98.8	114.9	58.8	12.9	92.7	40.0	163.5
CDC PTARMIGAN				102.7	57.8	11.6	99.0	44.0	162.0
C.V. %	9.0	10.5	8.4	7.6	1.3	3.3	69.5	3.3	0.5
LSD '@ .10'	5.9	8.8	9.0	13.8	1.0	0.5	30.1	1.8	1.1
Average	121.2	116.4	119.1	133.0	58.9	12.1	31.9	40.6	161.3
Highest	138.6	136.3	137.0	150.0	62.5	13.0	99.0	45.7	164.5
Lowest	104.8	100.9	98.8	102.7	56.0	11.2	0.0	36.0	154.5

Farmington Soft White Winter Wheat – Preliminary Data

1. Grain yield in the Farmington soft white winter wheat trial averaged 133 bushels/acre, 12 bushels/acre higher than the 5-year average yield at this location. The Farmington nursery was located about 1 mile south of Farmington, WA (Bruce Nelson, cooperator).
2. This nursery was seeded on 30 September, 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 106#N, 20#P, and 20#S (all per acre) applied in the fall. Seeding moisture conditions were rated 5 out of 10, but produced good stands that overwintered well. Alpha Lattice experimental designs improved variation allocation during statistical analysis and the CV by only 2% compared to previously used designs, indicating low variability within replication.
3. Yields ranged from 103 bu/ac to 150 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and included 26 of the 58 cultivars listed. Club variety names are designated by italic print.
4. Test weights averaged 58.9 lb/bu. Grain protein averaged 12.1% with a range of 11.2 to 13.0%. The average plant height was 41 inches. When the average plant height is over 40 inches and the average yield is over 120 bushels/acre, there will be lodging in a variety trial. In this trial, lodging averaged 32% but ranged from 0 to 99% providing a good differential indication of lodging potential across cultivars.