

2009 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT ST. JOHN, 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
<i>CHUKAR</i>	144.9	151.3	146.8	177.6	58.4	8.8	73.3	42.3	154.5
<i>CARA</i>	146.5	151.5	144.7	169.8	57.8	9.4	53.3	39.0	153.5
TUBBS 06		152.2	147.5	169.5	59.5	9.3	10.0	41.0	152.0
OR2040726				166.0	60.4	10.6	6.7	36.7	151.5
ARS970170-2L				163.9	60.0	9.7	41.7	40.3	155.0
OR2060324				163.0	57.6	10.1	16.7	32.7	156.5
AP LEGACY			145.0	162.9	60.1	9.6	8.3	41.7	155.0
XERPHA	140.4	157.1	147.2	160.6	58.5	9.8	51.7	39.3	154.5
WB 523		143.7	139.7	158.9	59.6	9.1	13.3	37.0	151.0
OR2050293				158.5	58.6	9.7	3.3	36.0	152.5
WB 456		137.1	139.6	157.4	61.4	11.1	6.7	37.0	149.0
LAMBERT	137.1	148.6	145.0	157.3	58.8	10.0	60.0	42.0	151.0
ORCF-102	135.1	142.6	135.5	156.1	60.9	10.6	20.0	41.3	152.5
ELTAN/TUBBS06			136.1	155.4	58.7	10.3	36.7	40.7	154.0
SIMON	135.6	139.9	140.1	155.2	60.1	10.3	23.3	40.7	154.0
RJAMES	129.3	143.9	137.8	155.1	56.4	9.3	83.3	37.3	154.5
<i>ARS970071-3C</i>				154.5	59.3	10.0	76.7	40.0	154.0
ID990435		138.7	133.1	154.2	58.7	9.9	55.0	42.7	152.0
ROD/TUBBS06			137.5	154.0	58.8	9.7	35.0	40.7	152.5
ELTAN/MADSEN		140.7	135.4	153.6	59.6	9.8	41.7	40.7	155.5
AP 700 CL		143.4	134.6	153.4	59.2	10.3	5.0	39.3	151.5
9364901A		146.6	135.0	153.0	59.6	9.6	56.7	35.3	154.5
BRUNDAGE 96	133.6	145.0	137.5	152.9	58.8	11.0	0.0	38.7	153.5
SKILES			139.1	152.7	59.5	10.4	3.3	37.0	155.0
BZ6W02-616				152.1	58.8	9.8	61.7	37.0	149.0
LEGION			140.6	151.9	58.1	10.1	46.7	40.0	155.0
ORCF-103		137.4	132.2	151.6	57.2	10.6	83.3	38.0	157.5
WB-528	130.8	142.3	138.4	151.4	59.8	10.3	53.3	38.3	149.5
ID02-859		142.5	135.0	149.7	59.1	10.4	3.3	37.3	153.5
ORCF-101	133.1	135.2	135.5	149.2	58.7	11.1	3.3	38.3	151.5
MADSEN	129.6	130.9	129.1	148.6	60.4	10.3	0.0	40.0	154.5
WB 1066M			126.3	148.5	61.9	11.3	35.0	42.7	149.0
ORI2060306				148.4	59.6	10.8	0.0	38.0	151.5
FINCH	133.5	138.1	134.5	147.7	60.8	9.9	18.3	36.7	156.0
ROD	128.3	139.9	134.1	147.3	55.6	9.0	66.7	37.3	154.5
KCF08001				147.2	58.9	10.1	46.7	38.7	150.0
STEPHENS	136.0	141.2	130.4	146.9	57.8	11.2	63.3	38.3	151.0
WB 1020M		133.9	130.9	146.6	59.3	10.0	28.3	37.7	155.5
MADSEN/ROD		137.3	131.4	146.0	58.4	9.7	25.0	39.0	155.5
WA008092				145.5	59.2	10.2	43.3	38.0	158.5
MASAMI	132.8	140.6	131.7	145.2	57.8	9.9	13.3	37.3	156.0
WA008066			132.6	144.4	60.9	9.8	23.3	39.7	156.0
<i>BRUEHL</i>	123.1	132.1	126.6	143.9	55.3	9.7	83.3	40.3	156.5
ELTAN	119.8	137.1	124.8	142.2	57.5	9.4	90.0	38.3	157.0
WA008065			132.4	141.8	59.4	10.0	13.3	39.3	153.0
<i>ARS970168-2C</i>			123.9	141.7	61.4	10.6	23.3	38.0	154.5
WA008064			132.2	141.5	57.4	10.2	38.3	37.7	150.5
WA008093				140.1	57.5	10.5	38.3	35.3	154.0
GEORGE	121.6	133.5	129.7	139.2	58.0	10.4	71.7	38.7	157.5
WB 1070M				138.7	61.5	11.0	26.7	36.7	149.0
SALUTE		137.8	132.1	138.1	57.1	10.3	66.7	39.3	153.5
WA008063			124.2	137.8	57.0	10.2	26.7	36.0	149.5
CASHUP	127.6	133.8	126.6	137.4	58.3	9.7	71.7	37.3	155.5
<i>CODA</i>	122.7	128.8	121.8	137.2	59.6	10.9	60.0	38.0	155.5

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Variety Name <small>*Club Italicized</small>	5 YEAR	3 YEAR	2 YEAR	2009					
	AVERAGE (BU/A)	AVERAGE (BU/A)	AVERAGE (BU/A)	YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
KCF08002				136.3	57.9	10.7	51.7	37.0	150.5
BITTERROOT		139.9	123.1	135.3	59.7	9.9	10.0	39.7	155.0
WA008094				134.3	59.6	10.0	65.0	43.0	156.5
CDC PTARMIGAN				125.8	57.6	10.0	73.3	39.7	153.0
C.V. %	9.0	8.0	7.5	6.2	1.3	5.9	55.5	5.8	0.7
LSD '@ .10'	6.6	7.9	9.1	12.5	1.0	0.8	28.6	3.0	1.4
Average	132.1	140.7	134.5	149.9	58.9	10.1	38.0	38.7	153.5
Highest	146.5	157.1	147.5	177.6	61.9	11.3	90.0	43.0	158.5
Lowest	119.8	128.8	121.8	125.8	55.3	8.8	0.0	32.7	149.0

St. John Soft White Winter Wheat – Preliminary Data

1. Grain yield in the St. John soft white winter wheat trial averaged 150 bushels/acre, 18 bushels/acre higher than the 5-year average yield at this location. The St. John nursery was located about 3 miles east of St. John, WA (Mac Mills, cooperator).
2. This nursery was seeded on 16 September, 2008 following fallow. Seed was placed at an 85#/acre seeding rate using a double disc plot drill set on 6-inch spacing. Base fertilizer was 90#N and 15#S (all per acre) applied in the fall. Seeding conditions were rated a 4 out of 10 for moisture, but produced good stands that overwintered well. Alpha Lattice experimental designs improved variation allocation during statistical analysis and the CV by 28% compared to previously used designs.
3. Yields ranged from 126 bu/ac to 178 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and included 4 cultivars. Club variety names are designated by italic print and the top two yields in the trail were from club varieties.
4. Test weights averaged of 58.9 lb/bu. Grain protein averaged 10.1% with a range of 8.8 to 11.3%. The average plant height was 39 inches.