

## 2010 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT LAMONT, WA.

Variety Name <small>*Club Italicized</small>				2010					
	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
ARS970170-2L			107	126	60.4	8.7	0	43	157
XERPHA	110	107	115	125	59.5	8.7	0	43	155
MASAMI	108	99	105	124	58.9	7.9	0	43	155
WA008116				122	60.3	8.3	0	39	157
<i>BRUEHL +25%</i>				122	57.9	8.6	10	45	157
WA008117				121	60.6	8.7	0	39	156
ORCF-103		94	103	120	59.5	8.7	0	40	157
GEORGE	106	98	98	117	58.9	8.2	5	44	159
AP LEGACY		104	109	116	60.2	8.8	0	44	153
FINCH	107	101	107	115	61.6	8.7	0	41	158
ROD/TUBBS06		91	99	115	59.3	8.7	0	44	154
WA008094			98	115	60.7	8.6	0	45	157
BRUNDAGE 96	101	91	93	114	59.9	9.5	0	41	154
ARS960277L		94	96	114	59.9	8.4	0	45	156
GOETZE/SKILES				114	61.1	9.8	0	39	155
SKILES		98	102	112	61.0	9.9	0	40	154
CARA	103	100	111	111	59.1	10.0	0	42	156
ELTAN	103	99	103	111	59.2	8.0	7	45	157
ELTAN/MADSEN		94	98	111	59.1	8.6	3	43	157
BITTERROOT	90	83	89	109	59.9	9.1	0	44	154
ELTAN/TUBBS06		93	95	109	59.3	8.5	0	44	154
<i>ARS970071-3C</i>			112	109	61.3	10.4	0	46	156
WA008092			96	109	59.8	9.1	0	44	160
TUBBS 06	99	91	93	107	59.0	8.8	0	44	153
ORCF-102	101	93	95	106	60.4	9.5	0	43	153
UICF-BRUNDAGE		92	96	106	59.3	9.0	0	39	155
REA STEPHENS				106	61.2	9.4	0	42	152
<i>CHUKAR +25%</i>				105	59.7	8.6	0	44	157
LEGION		89	87	104	59.0	9.2	0	43	153
MADSEN	92	82	85	103	60.1	10.0	0	42	154
MADSEN/ROD	98	90	93	103	59.8	9.5	0	41	157
<i>ARS970075-3C</i>		87	89	103	61.2	9.5	0	43	156
<i>BRUEHL</i>	97	88	92	102	58.0	8.9	0	44	159
<i>ARS970184-1C</i>				102	59.3	8.8	0	42	156
ID00-475-2DH				102	60.7	9.4	0	41	155
WB-528	87	85	85	101	61.0	9.4	0	42	152
BRUNEAU		84	85	101	59.6	8.8	0	40	155
BZ6W02-616			88	101	61.9	10.3	0	40	150
<i>CHUKAR</i>	101	95	104	100	59.2	8.8	0	43	156
RJAMES	99	89	90	99	57.8	9.0	0	38	156
<i>CARA +25%</i>				99	59.9	9.5	0	40	156
ROD	101	91	92	96	58.7	9.3	0	40	157
LAMBERT	93	86	83	95	59.5	9.5	0	42	152
<i>ARS970163-4C</i>				93	60.2	9.0	0	44	157
AP 700 CL		83	82	92	59.2	10.6	0	41	153
WA008093			85	92	58.8	8.9	0	40	154
<i>CODA</i>	96	88	88	91	62.4	10.4	0	44	157
SIMON	86	81	79	89	59.7	10.0	0	42	154
KCF9001				89	57.8	9.6	0	46	158
SALUTE		88	87	88	58.5	10.0	0	42	155
WA008114				88	60.4	10.2	0	40	152
WA008115				87	60.7	10.1	0	38	154
WA008063		89	94	86	59.5	10.4	0	38	153
STEPHENS	88	77	75	85	59.8	9.7	0	38	152

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
<b>KCF9002</b>				84	61.3	10.7	0	40	152
<b>OR2060395</b>				81	58.4	10.0	0	40	154
<b>KCF9003</b>				81	60.3	9.7	43	49	151
<b>DH99-55-2 (Soft Red)</b>				77	57.9	8.7	30	46	152
<b>OR2040726</b>			82	71	60.2	10.0	0	38	154
<b>CDC PTARMIGAN</b>			73	68	56.3	8.8	33	48	153
<b>C.V. %</b>	10	11	12	11	1.0	5.2	332	4	1
<b>LSD '@ .10'</b>	5	8	11	16	0.8	0.7	10	2	2
<b>Average</b>	98	91	94	102	59.7	9.3	2	42	155
<b>Highest</b>	110	107	115	126	62.4	10.7	43	49	160
<b>Lowest</b>	86	77	73	68	56.3	7.9	0	38	150

### Lamont Soft White Winter Wheat – Preliminary Data

1. Grain yield in the Lamont soft white winter wheat trial averaged 102 bushels/acre, 4 bushels/acre higher than the 5-year average for this site. The Lamont nursery was located about five miles southeast of Lamont, WA (Gil White, Cooperator).

2. This nursery was seeded on 11 September, 2009 following summer fallow. Seed was placed at an 85#/acre seeding rate using a hoe opener plot drill set on 9-inch spacing. Base fertilizer was 70#N. Fall seeding conditions were okay, but rain before emergence caused some crusting and emergence variability. The seed was planted about 5 inches deep and cultivars that do not emerge well under deep planted dryland conditions, did not establish well at this location. Some stripe rust developed in this trial, but stripe rust impact was not large except for susceptible cultivars.

3. Yields ranged from 68 bu/ac to 126 bu/ac. All yield values within the 10% LSD range of the highest yield are shown in bold, and 19 of the 60 entries in the trial are in this top group. Xerpha was the highest yielding named variety in the trial. The lattice RCBD experimental design improved variation allocation during statistical analysis and the CV by 18% for yield.

4. Test weights were good with an average of 59.7 lb/bu and ranged from 56.3 to 62.4 lb/bu. Lodging ranged from 0 to 43%.

5. Grain protein was good and averaged 9.3% with a range of 7.9 to 10.7%. Plant height averaged 42 inches.