

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

Variety Name <i>*Club Italicized</i>	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
XERPHA	94	88	93	96	60.4	9.9	0	34	156
WB 456		77	81	92	62.2	11.1	0	30	150
AP 700 CL		76	78	92	59.7	10.9	0	31	152
RJAMES	87	75	77	91	57.7	10.0	0	31	156
ORCF-103		75	78	91	59.7	10.7	0	31	158
AP LEGACY			85	89	59.3	10.2	0	30	155
ORCF-102	88	79	80	87	60.6	10.7	0	34	155
WA008063			76	87	59.9	10.9	0	31	150
ROD/TUBBS06			78	87	58.5	10.4	0	32	155
OR2060324				87	57.4	9.9	0	30	156
KCF08002				87	60.7	10.5	0	32	150
FINCH	83	75	78	86	61.4	10.5	0	33	158
BRUNDAGE 96	82	73	79	86	59.6	10.7	0	31	154
WB 1066M			82	86	62.5	11.1	0	34	150
WB 523		75	78	85	60.1	10.6	0	31	153
WA008093				85	59.4	10.5	0	30	153
OR2040726				85	59.7	10.6	0	30	152
WA008066			74	84	61.6	10.8	0	32	158
ELTAN/TUBBS06			77	84	60.4	10.8	0	32	155
MASAMI	82	72	71	83	58.1	11.0	0	33	158
TUBBS 06		70	74	83	59.4	10.7	0	35	154
SALUTE		74	74	83	57.7	10.6	0	34	155
ORI2060306				83	59.9	11.3	0	30	153
ID02-859		77	83	82	59.4	10.4	0	30	154
WA008064			74	82	60.5	10.5	0	29	150
ARS970170-2L				82	60.2	10.9	0	34	157
<i>CODA</i>	84	75	75	81	61.1	10.6	0	30	157
MADSEN	84	75	80	81	60.3	11.1	0	31	157
ELTAN	83	78	81	81	60.6	10.5	0	32	159
LEGION			71	81	58.5	10.9	0	33	155
GEORGE	83	75	81	80	59.0	11.1	0	34	159
MADSEN/ROD		69	73	80	59.5	10.8	0	31	157
SKILES			73	80	60.2	12.1	0	30	156
OR2050293				80	58.4	11.3	0	30	153
WB 1070M				80	62.3	10.9	0	31	150
STEPHENS	78	70	72	79	58.5	11.1	0	30	152
WA008065			74	79	61.6	11.0	0	30	155
WA008092				79	59.7	10.9	0	33	159
BZ6W02-616				79	61.3	10.6	0	28	150
KCF08001				79	59.7	10.9	0	29	151
LAMBERT	82	72	77	78	59.6	10.4	0	33	152
9364901A		69	70	78	60.7	10.1	0	33	156
ROD	86	77	74	77	57.8	10.9	0	29	156
WB-528	81	67	69	77	61.3	10.4	0	31	151
WA008094				77	61.3	10.9	0	33	158
CDC PTARMIGAN				76	59.0	10.3	0	34	156
ORCF-101	80	68	66	75	59.8	12.1	0	30	154
<i>ARS970168-2C</i>			74	75	62.1	10.8	0	30	157
<i>ARS970071-3C</i>				75	60.1	11.3	0	30	156
<i>CHUKAR</i>	74	67	70	73	58.6	10.8	0	28	156
ID990435		68	66	73	58.9	11.1	0	33	154
<i>BRUEHL</i>	80	68	72	71	59.9	11.1	0	32	158
BITTERROOT		69	70	71	60.5	11.1	0	32	157
WB 1020M		71	72	71	60.6	10.7	0	26	157

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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
<b>ELTAN/MADSEN</b>		72	72	71	60.4	11.8	0	30	157
<i>CARA</i>	71	65	66	70	57.3	10.9	0	28	156
<b>SIMON</b>	79	66	66	70	60.3	11.4	0	30	156
<b>CASHUP</b>	75	63	64	60	60.0	10.7	0	27	156
<b>C.V. %</b>	10	10	10	8	1.1	4.6	--	6	1
<b>LSD '@ .10'</b>	4	5	7	9	0.9	0.7	--	3	1
<b>Average</b>	82	72	75	81	59.9	10.8	0	31	155
<b>Highest</b>	94	88	93	96	62.5	12.1	0	35	159
<b>Lowest</b>	71	63	64	60	57.3	9.9	0	26	150

1. Grain yield in the Anatone soft white winter wheat trial averaged 81 bu/ac, which was very close to the 5-year average yield of 82 bu/ac for this location. The Anatone nursery was located about 4 miles north of Anatone, WA (Jeff Johnson, cooperator).
2. This nursery was seeded on 24 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 70#N and 12#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 34% compared to previously used designs.
3. Yields ranged from 60 bu/ac to 96 bu/ac, with a CV of 8%. Yield values within the LSD range of the highest yield are shown in bold and included six varieties. Club variety names are designated by italicized print.
4. Test weights were good with an average of 59.9 lb/bu. Grain protein averaged 10.8% with a range of 9.9 to 12.1%. The average plant height was 31 inches.