

2009 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT LAMONT, 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>ARS970071-3C</i>				115	61.2	12.7	0	36	155
<i>CARA</i>	101	96	94	110	58.9	11.4	0	32	156
<i>CHUKAR</i>	99	94	93	108	60.6	11.1	0	29	156
<i>XERPHA</i>	97	100	98	106	60.2	11.2	0	33	156
<i>AP LEGACY</i>			98	102	59.8	12.2	0	31	154
<i>WA008063</i>			91	101	61.4	12.3	0	30	149
<i>FINCH</i>	105	95	95	100	61.7	12.1	0	31	158
<i>OR2060324</i>				99	57.9	11.5	0	27	157
<i>ELTAN</i>	91	94	92	94	61.4	12.2	10	33	158
<i>WA008066</i>			87	94	61.2	11.7	0	30	159
<i>SKILES</i>			91	93	60.4	12.8	0	29	155
<i>OR2040726</i>				93	60.3	11.5	0	28	151
<i>WA008065</i>			92	91	62.5	13.2	0	31	153
<i>ARS970168-2C</i>			83	90	62.4	12.2	0	30	156
<i>WA008064</i>			86	90	60.9	12.3	0	30	150
<i>ROD</i>	95	94	89	89	58.9	11.1	7	30	156
<i>ARS970170-2L</i>				89	60.2	11.5	0	34	158
<i>ORCF-103</i>		87	81	87	60.3	12.4	0	31	156
<i>OR2050293</i>				87	59.4	12.9	0	27	153
<i>KCF08002</i>				87	60.6	12.4	0	30	150
<i>CODA</i>	93	88	86	86	61.4	11.7	0	33	156
<i>MASAMI</i>	104	92	86	86	59.3	11.4	0	32	158
<i>ELTAN/MADSEN</i>		87	86	86	59.8	12.9	0	30	156
<i>ORI2060306</i>				86	60.5	12.9	0	28	151
<i>SALUTE</i>		91	88	85	59.7	11.7	0	32	153
<i>ID02-859</i>		91	85	85	59.6	12.6	0	27	152
<i>ORCF-102</i>	97	91	87	84	60.6	12.1	0	33	153
<i>WA008092</i>				84	60.8	13.3	0	32	159
<i>WB 523</i>		84	82	83	61.6	12.0	0	30	152
<i>MADSEN/ROD</i>		87	83	83	59.5	12.6	0	31	156
<i>ROD/TUBBS06</i>			80	83	59.1	10.7	0	30	155
<i>BRUEHL</i>	89	86	81	81	59.7	12.6	0	31	158
<i>ORCF-101</i>	89	85	83	81	59.3	12.4	0	29	152
<i>RJAMES</i>	93	88	84	81	59.8	12.9	0	29	155
<i>WA008094</i>				81	61.2	11.9	0	31	158
<i>TUBBS 06</i>		91	83	80	59.9	12.6	0	33	154
<i>CASHUP</i>	86	79	79	80	61.5	12.5	0	28	155
<i>ELTAN/TUBBS06</i>			85	80	59.5	11.9	0	30	156
<i>GEORGE</i>	95	95	89	79	59.8	12.3	0	32	158
<i>CDC PTARMIGAN</i>				79	60.3	11.4	23	33	154
<i>WA008093</i>				79	60.5	13.1	0	31	153
<i>ID990435</i>		85	78	74	60.5	12.3	0	32	153
<i>WB 456</i>		85	80	74	61.4	13.9	0	26	151
<i>BZ6W02-616</i>				74	60.7	12.0	0	28	150
<i>KCF08001</i>				74	60.6	12.2	0	30	150
<i>BRUNDAGE 96</i>	97	88	80	72	59.6	11.8	0	25	153
<i>AP 700 CL</i>		82	79	71	59.8	12.8	0	29	152
<i>LEGION</i>			81	71	59.6	11.2	0	30	154
<i>LAMBERT</i>	92	84	81	70	60.7	12.0	0	32	152
<i>9364901A</i>		81	76	70	60.8	13.1	0	27	154
<i>SIMON</i>	89	77	77	69	59.9	13.5	0	31	155
<i>WB 1020M</i>		76	75	69	60.3	12.3	0	29	156
<i>MADSEN</i>	90	78	72	68	59.5	11.6	0	28	156
<i>BITTERROOT</i>		72	70	68	60.7	13.8	0	28	157

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
WB-528	80	80	77	68	61.5	12.6	0	28	151
STEPHENS	89	79	73	66	59.6	12.4	0	29	151
WB 1066M			72	65	61.6	12.3	0	30	151
WB 1070M				54	61.6	13.7	0	28	149
C.V. %	11	11	11	13	1.0	6.1	883	8	1
LSD '@ .10'	5	7	9	15	0.9	1.0	8	3	1
Average	94	87	84	83	60.4	12.3	1	30	154
Highest	105	100	98	115	62.5	13.9	23	36	159
Lowest	80	72	70	54	57.9	10.7	0	25	149

1. Grain yield in the Lamont soft white winter wheat trial averaged 83 bu/ac, 11 bu/ac lower than the 5-year average yield. The Lamont nursery was located about 6 miles southeast of Lamont, WA (Gil White, cooperator).
2. This nursery was seeded on 8 September, 2008 following summer fallow. Seed was placed at an 85#/acre seeding rate using a hoe plot drill set on 9-inch spacing. Base fertilizer was 70#N, and 10#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 77% compared to previously used designs. This site was highly variable and much of it was accounted for by the lattice design, but the CV of 13% is still higher than desired. This also makes the LSD value of 15 bu/ac higher than desired and reflects the variability.
3. Yields ranged from 54 bu/ac to 115 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and included six cultivars. Club variety names are designated by italicized print and club varieties performed well with three club cultivars as the top yielders.
4. Test weights were good with an average of 60.4 lb/bu. Grain protein averaged 12.3% with a range of 10.7 to 13.9%. These protein values are higher than desired and reflect the high fertility level at the site. The average plant height was 30 inches.