

2009 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT PULLMAN, 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>	143	136	132	151	59.4	8.7	0	40	163
<i>ARS970170-2L</i>				151	61.2	9.0	0	42	163
<i>MASAMI</i>	146	148	148	150	59.9	8.8	0	39	162
<i>GEORGE</i>	139	142	145	150	60.2	9.4	0	40	164
<i>ORCF-103</i>		138	138	150	60.0	9.3	0	40	163
<i>ROD</i>	152	148	145	148	60.0	8.8	0	36	161
<i>XERPHA</i>	157	155	152	147	60.5	9.5	0	37	162
<i>LEGION</i>			144	147	60.1	9.0	0	41	160
<i>TUBBS 06</i>		145	144	144	60.1	9.0	0	40	160
<i>ELTAN/TUBBS06</i>			138	144	60.8	9.2	0	41	161
<i>ROD/TUBBS06</i>			140	144	60.1	8.9	0	40	161
<i>ELTAN</i>	138	145	141	142	60.9	9.2	0	41	163
<i>MADSEN/ROD</i>		137	135	142	60.2	9.0	0	37	162
<i>ORCF-102</i>	144	136	137	141	60.3	9.7	0	39	161
<i>ID02-859</i>		137	144	140	59.6	8.9	0	35	160
<i>AP LEGACY</i>			142	140	61.0	9.2	0	39	160
<i>SALUTE</i>		139	135	139	59.7	9.4	0	38	159
<i>AP 700 CL</i>		141	137	139	61.0	9.5	0	39	159
<i>WA008063</i>			136	139	60.7	9.4	0	35	156
<i>CARA</i>	140	127	122	137	59.2	9.3	0	36	162
<i>FINCH</i>	150	146	144	137	61.7	9.0	0	37	163
<i>OR2060324</i>				137	57.9	9.1	0	34	163
<i>ID990435</i>		151	145	136	60.1	9.2	0	40	159
<i>WB 523</i>		140	138	136	60.3	9.3	0	37	160
<i>RJAMES</i>	141	140	138	136	59.5	9.1	0	34	161
<i>OR2050293</i>				136	60.1	9.1	0	35	159
<i>OR2040726</i>				136	60.0	8.9	0	34	158
<i>WB-528</i>	136	132	130	135	61.3	9.7	0	37	156
<i>ELTAN/MADSEN</i>		136	133	135	60.5	9.3	0	39	163
<i>WA008066</i>			139	135	62.1	9.1	0	38	163
<i>KCF08002</i>				135	60.9	9.7	0	39	155
<i>ORI2060306</i>				135	60.2	9.6	0	36	161
<i>BRUEHL</i>	142	135	132	134	59.1	9.3	0	41	164
<i>MADSEN</i>	139	129	125	134	60.0	9.7	0	37	163
<i>WB 1020M</i>		128	127	134	60.6	9.8	0	37	162
<i>9364901A</i>		144	145	134	60.2	9.1	0	34	162
<i>BRUNDAGE 96</i>	140	133	133	133	59.5	9.2	0	35	160
<i>BITTERROOT</i>		132	131	133	60.1	9.3	0	42	162
<i>WA008064</i>			134	133	60.9	9.5	0	34	156
<i>SKILES</i>			123	133	60.9	10.4	0	36	162
<i>KCF08001</i>				133	61.0	9.7	0	38	157
<i>ORCF-101</i>	135	129	129	131	60.2	9.9	0	37	160
<i>CODA</i>	137	135	129	130	61.1	9.3	0	40	162
<i>WB 456</i>		124	123	130	61.8	10.1	0	36	156
<i>WA008065</i>			128	130	61.7	9.6	0	38	160
<i>WA008092</i>				130	60.5	9.5	0	40	164
<i>STEPHENS</i>	141	133	128	129	59.6	9.3	0	36	157
<i>WA008094</i>				129	61.4	9.4	0	40	164
<i>WB 1070M</i>				129	61.7	10.0	0	35	155
<i>WA008093</i>				128	59.7	9.5	0	36	160
<i>WB 1066M</i>			126	126	62.0	10.0	0	39	156
<i>LAMBERT</i>	144	136	134	125	60.3	9.3	0	38	159
<i>CASHUP</i>	136	130	128	125	60.6	9.3	0	35	162
<i>BZ6W02-616</i>				125	60.5	9.2	0	36	155

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
<i>ARS970071-3C</i>				124	60.4	9.8	0	41	162
SIMON	140	134	128	123	60.6	9.7	0	37	160
CDC PTARMIGAN				123	59.3	8.4	0	42	160
<i>ARS970168-2C</i>			108	111	61.4	9.8	0	35	162
C.V. %	8	8	7	5	0.4	1.7	--	3	0
LSD '@ .10'	6	7	8	9	0.3	0.2	--	2	1
Average	142	138	135	136	60.4	9.4	0	38	160
Highest	157	155	152	151	62.1	10.4	0	42	164
Lowest	135	124	108	111	57.9	8.4	0	34	155

1. Grain yield in the Pullman soft white winter wheat trial averaged 136 bu/ac, 6 bu/ac lower than the 5-year average yield at this location. The Pullman nursery was located about 3 miles southeast of Pullman, WA (Norm Druffel & Sons, cooperators).
2. This nursery was seeded on 3 October, 2008 following chickpeas. Seed was placed at an 85#/acre seeding rate using a double disc plot drill set on 6-inch spacing. Base fertilizer was 100#N, 20#P, 15#K, and 30#S (all per acre) applied in the fall and an additional 6#N and 20#P were applied as starter fertilizer. Seeding conditions produced good stands that overwintered well. Alpha lattice experimental designs improved variation allocation during statistical analysis and the CV by 86% compared to previously used designs.
3. Yields ranged from 111 bu/ac to 151 bu/ac, with a CV of 5%. Yield values within the LSD range of the highest yield are shown in bold and included 13 cultivars and blends. Club variety names are designated by italicized print.
4. Test weights were good with an average of 60.4 lb/bu. Grain protein averaged 9.4% with a range of 8.4 to 10.4%. The average plant height was 38 inches.