

2009 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT COLTON, 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
9364901A		132	135	135	59.2	7.6	0	37	161
AP LEGACY			132	133	60.0	7.9	0	38	160
XERPHA	134	124	129	128	58.8	7.7	0	37	161
CDC PTARMIGAN				127	58.4	7.7	30	43	160
MASAMI	123	115	117	123	59.2	7.2	0	40	162
SIMON	120	116	120	122	59.7	8.4	0	38	159
LEGION			127	121	58.8	7.4	0	40	159
ROD	128	120	121	119	59.2	7.6	0	36	162
OR2060324				119	57.1	8.0	0	34	162
ELTAN/TUBBS06			124	117	59.8	7.8	0	40	161
SALUTE		120	122	116	59.0	8.3	0	39	159
ELTAN/MADSEN		116	119	116	59.7	7.8	0	40	162
WA008093				116	58.6	8.1	0	37	159
<i>CODA</i>	123	117	119	115	60.6	8.3	0	38	162
<i>BRUEHL</i>	123	117	119	115	58.0	7.9	0	40	164
WB 523		112	118	115	59.5	8.2	0	34	159
ID990435		121	129	113	58.9	7.9	0	40	157
OR2040726				113	59.7	8.1	0	34	157
ORCF-102	134	122	125	112	59.8	8.3	0	39	161
GEORGE	123	118	122	112	59.1	7.6	0	40	163
CASHUP	116	105	105	112	59.5	8.1	0	35	162
MADSEN/ROD		116	117	112	59.3	7.4	0	37	161
ROD/TUBBS06			120	112	59.0	7.7	0	38	160
KCF08002				112	60.5	8.6	0	38	156
ELTAN	130	124	126	111	60.0	7.5	0	41	163
FINCH	121	113	119	111	60.5	7.6	0	37	162
STEPHENS	124	118	120	111	58.9	8.5	0	36	156
WA008094				111	60.9	8.0	0	42	162
TUBBS 06		116	118	110	59.3	7.8	0	38	160
ID02-859		114	119	110	58.2	7.6	0	35	160
WA008063			110	110	60.1	8.0	0	35	155
WB 1066M			116	110	61.5	8.8	0	40	155
ARS970170-2L				110	60.0	7.5	0	38	162
LAMBERT	123	113	118	109	59.7	7.9	0	40	157
ORCF-103		121	124	109	58.8	7.9	0	38	163
WA008066			119	109	60.6	7.7	0	37	163
BRUNDAGE 96	119	114	114	108	58.6	8.0	0	34	159
WB 1020M		109	115	108	59.6	8.1	0	34	162
WA008064			110	108	60.2	8.3	0	34	155
SKILES			105	108	60.5	8.7	0	36	161
MADSEN	117	106	108	107	59.7	8.4	0	36	161
RJAMES	122	113	112	107	58.7	7.7	0	34	161
WA008065			113	106	61.7	8.2	0	36	159
WA008092				106	60.0	8.2	0	41	164
AP 700 CL		113	118	105	60.4	8.3	0	37	159
ORI2060306				105	59.1	8.3	0	36	160
<i>CHUKAR</i>	119	106	105	103	57.7	7.3	0	35	162
BITTERROOT		108	108	103	59.2	7.6	0	38	162
<i>CARA</i>	114	103	103	102	57.1	7.5	0	33	162
<i>ARS970071-3C</i>				102	59.6	7.9	0	39	161
OR2050293				101	58.3	7.8	0	33	158
ORCF-101	122	111	114	100	59.0	8.2	0	35	160
WB-528	120	114	114	99	61.0	8.3	0	35	155
WB 1070M				99	61.8	9.4	0	34	153

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
<i>ARS970168-2C</i>			102	98	60.3	8.4	0	35	162
WB 456		101	99	96	61.6	8.6	0	33	155
BZ6W02-616				96	60.2	8.5	0	36	155
KCF08001				95	60.3	8.2	0	37	156
C.V. %	7	8	9	8	0.6	3.8	1342	4	1
LSD '@ .10'	5	6	9	13	0.5	0.4	9	2	1
Average	123	115	117	111	59.6	8.0	1	37	160
Highest	134	132	135	135	61.8	9.4	30	43	164
Lowest	114	101	99	95	57.1	7.2	0	33	153

1. Grain yield in the Colton soft white winter wheat trial averaged 111 bu/ac, 12 bu/ac lower than the 5-year average yield at this location. The Colton nursery was located about 1 mile south of Colton, WA (Art Schultheis, cooperator).
2. This nursery was seeded on 1 October, 2008 following lentils. Seed was placed at an 85#/acre seeding rate using a no-till drill using Cross-slot openers set on 10-inch spacing. Base fertilizer was 120#N, 16#P, 16#K, and 16#S (all per acre) 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 25% compared to previously used designs.
3. Yields ranged from 95 bu/ac to 135 bu/ac, with a CV of 8%. Yield values within the LSD range of the highest yield are shown in bold and included five cultivars. Club variety names are designated by italicized print.
4. Test weights averaged 59.6 lb/bu. Grain protein averaged 8.0% with a range of 7.2 to 9.4%. The average plant height was 37 inches.