

2009 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT WALLA WALLA, 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
XERPHA	--	--	153	151	59.7	11.9	0	38	151
WB-528	--	--	140	146	62.0	11.4	0	34	146
LEGION	--	--	138	146	58.2	11.5	0	37	150
OR2040726	--	--		146	60.9	11.5	0	33	147
<i>CHUKAR</i>	--	--	140	145	60.0	10.9	0	39	152
<i>CARA</i>	--	--	140	144	59.1	10.6	0	36	151
TUBBS 06	--	--	142	144	58.9	11.8	0	38	149
OR2060324	--	--		144	57.3	11.1	0	34	153
BZ6W02-616	--	--		144	62.3	11.7	0	34	145
WA008065	--	--	132	143	60.7	12.1	0	35	149
SKILES	--	--	138	143	61.4	11.8	0	34	150
AP LEGACY	--	--	145	143	60.3	11.0	0	38	149
OR2050293	--	--		143	58.7	11.5	0	34	148
FINCH	--	--	137	142	61.4	11.3	0	38	154
LAMBERT	--	--	138	142	60.8	10.5	0	38	145
WB 523	--	--	134	142	61.4	11.6	0	34	148
ROD/TUBBS06	--	--	140	142	58.8	11.2	0	36	149
ID990435	--	--	132	141	59.9	12.0	0	37	147
ARS970170-2L	--	--		141	60.0	11.7	0	39	153
WB 1070M	--	--		141	63.4	11.8	0	34	146
STEPHENS	--	--	135	140	59.6	12.0	0	35	146
ORCF-102	--	--	137	140	61.1	11.8	0	37	150
WB 456	--	--	130	140	62.7	12.2	0	32	146
AP 700 CL	--	--	130	140	59.8	11.7	0	37	147
9364901A	--	--	131	139	60.8	10.8	0	36	149
ELTAN/TUBBS06	--	--	133	139	59.8	11.9	0	38	149
<i>ARS970071-3C</i>	--	--		139	61.0	12.2	0	41	151
KCF08001	--	--		139	60.3	11.6	0	37	146
<i>BRUEHL</i>	--	--	134	138	58.8	12.0	20	39	154
WA008064	--	--	135	138	60.1	11.4	0	33	146
ROD	--	--	140	137	58.5	11.2	0	34	152
MADSEN/ROD	--	--	133	137	59.4	11.4	0	34	152
SALUTE	--	--	136	137	58.6	11.9	0	37	148
WA008066	--	--	137	137	61.7	11.1	0	38	154
WA008063	--	--	133	136	59.5	11.8	0	33	147
<i>CODA</i>	--	--	133	135	62.0	11.9	10	40	152
ORCF-103	--	--	127	135	60.5	11.6	3	36	153
KCF08002	--	--		135	60.5	11.5	0	36	146
WA008093	--	--		134	58.6	11.8	0	33	149
BRUNDAGE 96	--	--	127	133	59.7	11.6	0	32	149
BITTERROOT	--	--	131	133	61.1	11.2	0	39	152
RJAMES	--	--	125	133	58.5	11.9	7	31	152
WB 1066M	--	--	117	132	63.1	12.6	0	41	145
ELTAN	--	--	124	131	60.4	11.7	20	37	155
MASAMI	--	--	129	131	58.8	11.3	0	38	154
ID02-859	--	--	131	130	59.9	11.7	0	33	150
ORI2060306	--	--		130	60.3	12.2	0	33	148
SIMON	--	--	134	129	59.7	11.6	0	36	150
CASHUP	--	--	131	129	60.5	11.0	0	32	152
<i>ARS970168-2C</i>	--	--	121	129	62.6	11.5	0	37	151
WB 1020M	--	--	127	128	59.7	11.9	20	34	153
ELTAN/MADSEN	--	--	119	127	60.5	11.7	0	36	153
MADSEN	--	--	129	126	59.6	11.9	0	34	153
WA008094	--	--		126	61.0	11.8	0	40	154

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
ORCF-101	--	--	128	125	59.9	12.1	0	34	147
GEORGE	--	--	125	122	59.6	12.0	13	40	155
WA008092	--	--		120	59.0	12.6	0	40	155
CDC PTARMIGAN	--	--		116	59.2	10.7	0	38	151
C.V. %	--	--	5	4	0.7	4.6	418	3	1
LSD '@ .10'	--	--	7	7	0.6	0.7	9	2	1
Average	--	--	133	136	60.2	11.6	2	36	150
Highest	--	--	153	151	63.4	12.6	20	41	155
Lowest	--	--	117	116	57.3	10.5	0	31	145

1. Grain yield in the Walla Walla soft white winter wheat trial averaged 136 bu/ac, 3 bu/ac more than the 2-year average at this location. The Walla Walla nursery was located about 8 miles southwest of Waitsburg, WA about midway between Waitsburg and Walla Walla (Tom and Jason Beechinor, cooperators).
2. This nursery was seeded on 6 October, 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 120#N, 15#P, and 15#S applied in the fall and 100#N and 15#S was applied in the spring based on a spring soil test. Seeding conditions produced good stands that overwintered well including cold sensitive varieties that were not affected by winter conditions. Alpha lattice experimental designs improved variation allocation during statistical analysis and the CV by 23% compared to previously used designs.
3. Yields ranged from 116 bu/ac to 151 bu/ac, with a CV of 4%. Yield values within the LSD range of the highest yield are shown in bold and included five varieties, including one club. Club variety names are designated by italicized print.
4. Test weights were good with an average of 60.2 lb/bu. Grain protein averaged 11.6% with a range of 10.5 to 12.6%. The average plant height was 36 inches.