

2009 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT HORSE HEAVEN, WA.

Variety Name <i>*Club Italicized</i>	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
ELTAN	--	--	--	15	58.5	14.9	0	19	150
WB-528	--	--	--	15	59.8	15.1	0	21	145
WB 456	--	--	--	15	58.9	16.3	0	19	146
XERPHA	--	--	--	14	60.4	15.2	0	21	150
SKILES	--	--	--	14	58.6	15.4	0	18	148
LEGION	--	--	--	14	58.7	16.2	0	21	148
WB 1066M	--	--	--	14	59.5	15.7	0	22	146
ELTAN/TUBBS06	--	--	--	14	58.4	15.2	0	20	150
CDC PTARMIGAN	--	--	--	14	59.1	15.2	0	20	148
BZ6W02-616	--	--	--	14	59.0	15.2	0	20	146
MASAMI	--	--	--	13	58.4	15.7	0	18	151
SIMON	--	--	--	13	58.8	15.1	0	20	149
BITTERROOT	--	--	--	13	61.3	15.3	0	20	149
ID990435	--	--	--	13	58.4	15.1	0	22	147
STEPHENS	--	--	--	13	57.4	15.7	0	19	148
ORCF-102	--	--	--	13	60.0	16.1	0	20	148
TUBBS 06	--	--	--	13	57.8	15.6	0	21	149
WB 1020M	--	--	--	13	60.7	15.1	0	18	151
ORCF-103	--	--	--	13	59.2	15.9	0	18	150
ELTAN/MADSEN	--	--	--	13	58.9	15.6	0	18	152
<i>ARS970168-2C</i>	--	--	--	13	58.8	15.0	0	16	150
WA008065	--	--	--	13	59.4	16.3	0	20	150
AP LEGACY	--	--	--	13	58.9	14.8	0	19	148
ARS970170-2L	--	--	--	13	58.8	15.6	0	20	150
OR2050293	--	--	--	13	55.3	15.5	0	20	149
WB 1070M	--	--	--	13	60.9	15.7	0	19	145
LAMBERT	--	--	--	12	58.3	15.9	0	21	147
BRUNDAGE 96	--	--	--	12	57.8	15.9	0	17	148
RJAMES	--	--	--	12	56.1	15.5	0	17	151
MADSEN/ROD	--	--	--	12	59.0	15.8	0	18	151
9364901A	--	--	--	12	58.8	14.3	0	18	149
ID02-859	--	--	--	12	57.9	16.1	0	17	149
WA008063	--	--	--	12	58.6	15.8	0	18	146
WA008066	--	--	--	12	59.3	15.0	0	19	151
<i>ARS970071-3C</i>	--	--	--	12	59.2	15.8	0	17	149
OR2040726	--	--	--	12	57.7	16.1	0	19	146
KCF08001	--	--	--	12	59.7	14.8	0	21	146
KCF08002	--	--	--	12	59.6	14.9	0	20	147
ORI2060306	--	--	--	12	58.4	16.7	0	18	149
<i>BRUEHL</i>	--	--	--	11	60.5	15.1	0	19	151
MADSEN	--	--	--	11	59.9	16.3	0	18	151
ROD	--	--	--	11	57.7	15.1	0	17	151
ORCF-101	--	--	--	11	58.5	16.2	0	20	149
WB 523	--	--	--	11	60.4	15.8	0	20	148
CASHUP	--	--	--	11	60.3	15.4	0	17	150
SALUTE	--	--	--	11	57.3	15.7	0	20	148
AP 700 CL	--	--	--	11	58.5	16.1	0	20	148
WA008064	--	--	--	11	59.1	16.3	0	18	147
WA008092	--	--	--	11	60.5	15.0	0	19	151
WA008094	--	--	--	11	59.7	15.3	0	19	150
OR2060324	--	--	--	11	57.4	14.6	0	18	149
<i>CHUKAR</i>	--	--	--	10	59.3	16.1	0	15	151
GEORGE	--	--	--	10	58.6	15.5	0	19	151
ROD/TUBBS06	--	--	--	10	58.2	15.7	0	20	150

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				YIELD (BU/A)	TEST WT* (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
WA008093	--	--	--	10	61.2	15.7	0	19	149
<i>CARA</i>	--	--	--	9	58.3	16.4	0	15	151
<i>CODA</i>	--	--	--	8	60.9	16.4	0	16	151
FINCH	--	--	--	8	59.9	14.8	0	17	150
C.V. %	--	--	--	13		3.2	--	6	1
LSD '@ .10'	--	--	--	2		0.7	--	2	1
Average	--	--	--	12	59.0	15.6	0	19	149
Highest	--	--	--	15	61.3	16.7	0	22	152
Lowest	--	--	--	8	55.3	14.3	0	15	145

*Test Weight data are from bulked samples across replications.

1. Grain yield in the Horse Heaven soft white winter wheat trial averaged 12 bu/ac. The Horse Heaven nursery was located about 5 miles east of Prosser, WA (D. Roseberry farm).
2. This nursery was seeded on 8 October, 2008 following summer fallow. Seed was placed at a 45#/acre seeding rate using a double disc plot drill set on 6-inch spacing. Base fertilizer was 40#N. Fall seeding conditions were dry and occasional poor emergence caused some gaps in individual plots. When appropriate, gaps were subtracted from the plot areas to maintain equivalent comparisons. Alpha lattice experimental designs improved variation allocation during statistical analysis and the CV by 36% compared to previously used designs.
3. Yields ranged from 8 bu/ac to 15 bu/ac, with a CV of 13%. All yield values within the LSD range of the highest yield are shown in bold. Club variety names are designated by italicized print.
4. Test weights were good with an average of 59.0 lb/bu. Test weight values were obtained by bulking the replications together to have enough grain for analysis, and this does not then allow statistical analysis of these results.
5. Grain protein averaged 15.6% with a range of 14.3 to 16.7%. High protein could have been influenced by the low yields that reflected dry conditions during much of the growing season. Low yield and dry conditions are also related to 19 inch average plant height.