

2009 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT CONNELL, 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
LEGION	--	--	51	59	58.4	12.8	0	34	143
SKILES	--	--	49	56	58.7	14.0	0	28	146
FINCH	--	--	49	54	60.4	12.8	0	32	149
RJAMES	--	--	40	53	56.4	13.1	0	30	146
ORCF-103	--	--	52	53	59.4	14.4	0	29	148
ELTAN	--	--	45	52	58.9	13.2	0	33	149
ROD	--	--	48	52	58.3	13.4	0	30	148
WB-528	--	--	49	52	61.1	12.9	0	32	142
ELTAN/MADSEN	--	--	45	52	59.1	13.6	0	31	148
WA008064	--	--	45	51	58.6	14.5	0	32	142
ELTAN/TUBBS06	--	--	44	51	58.7	13.7	0	33	145
ROD/TUBBS06	--	--	48	51	58.0	12.9	0	33	144
XERPHA	--	--	49	50	59.2	13.1	0	32	147
TUBBS 06	--	--	47	50	57.8	13.7	0	33	144
AP LEGACY	--	--	47	50	58.7	12.1	0	31	144
MASAMI	--	--	47	49	57.8	14.0	0	30	149
ORCF-102	--	--	49	49	59.8	13.8	0	32	146
GEORGE	--	--	43	49	58.0	14.1	0	33	149
ARS970170-2L	--	--		49	58.6	15.2	0	30	148
<i>CODA</i>	--	--	42	48	60.6	13.1	0	32	148
STEPHENS	--	--	45	48	58.6	13.3	0	31	142
MADSEN/ROD	--	--	46	48	58.9	14.1	0	32	147
WA008066	--	--	43	48	59.7	13.1	0	31	150
WA008094	--	--		48	59.4	14.4	0	33	148
<i>BRUEHL</i>	--	--	37	47	58.1	14.7	0	29	149
<i>CHUKAR</i>	--	--	45	47	58.7	14.3	0	31	148
LAMBERT	--	--	43	47	59.7	13.2	0	32	142
<i>ARS970168-2C</i>	--	--	47	47	60.9	13.5	0	31	146
WA008065	--	--	43	47	59.2	14.3	0	30	146
WB 1066M	--	--	41	47	61.5	14.0	0	34	143
<i>ARS970071-3C</i>	--	--		47	58.5	13.9	0	31	148
WA008093	--	--		47	59.1	14.2	0	30	145
OR2050293	--	--		47	57.4	12.9	0	29	144
OR2040726	--	--		47	59.7	13.2	0	31	144
MADSEN	--	--	43	46	59.1	14.0	0	31	148
BRUNDAGE 96	--	--	43	46	58.6	13.3	0	31	144
BITTERROOT	--	--	39	46	60.4	13.1	0	31	148
ORCF-101	--	--	41	46	59.2	13.7	0	32	144
AP 700 CL	--	--	46	46	58.9	13.1	0	32	143
WA008063	--	--	40	46	58.4	14.5	0	29	143
WA008092	--	--		46	58.8	13.7	0	33	150
BZ6W02-616	--	--		46	60.5	13.5	0	31	140
WB 523	--	--	42	45	60.3	13.7	0	31	145
OR2060324	--	--		45	56.3	12.1	0	27	148
WB 1070M	--	--		45	62.4	14.5	0	31	141
SIMON	--	--	43	44	59.4	13.8	0	31	146
ID990435	--	--	40	44	59.3	13.6	0	32	144
WB 1020M	--	--	43	44	59.7	14.0	0	28	149
ORI2060306	--	--		44	58.9	14.8	0	33	144
ID02-859	--	--	47	43	57.9	14.0	0	29	146
9364901A	--	--	41	41	60.1	12.7	0	30	147
<i>CARA</i>	--	--	37	40	57.0	14.6	0	29	148
WB 456	--	--	37	39	59.4	15.9	0	29	143
CASHUP	--	--	36	39	59.3	13.3	0	28	148

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
SALUTE	--	--	37	39	57.3	13.9	0	29	146
KCF08001	--	--		39	59.3	13.9	0	31	144
KCF08002	--	--		39	59.5	13.8	0	32	144
CDC PTARMIGAN	--	--		38	57.5	13.5	0	28	148
C.V. %	--	--	13	9	1.0	5.2	--	5	1
LSD '@ .10'	--	--	5	6	0.8	1.0	--	2	1
Average	--	--	44	47	59.0	13.7	0	31	146
Highest	--	--	52	59	62.4	15.9	0	34	150
Lowest	--	--	36	38	56.3	12.1	0	27	140

1. Grain yield in the Connell soft white winter wheat trial averaged 47 bu/ac, 3 bu/ac higher than the 2-year average. The Connell nursery was located about 5 miles east of Connell, WA (D. Bauermeister farm).
2. This nursery was seeded on 4 September, 2008 following summer fallow. Seed was placed at a 45#/acre seeding rate using a deep furrow plot drill with split packer openers set on 15-inch spacing. Base fertilizer was 45#N and 15#S. Fall seeding conditions were dry and occasional poor emergence and excess soil coverage due to deep planting with the plot drill 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 8% compared to previously used designs.
3. Yields ranged from 38 bu/ac to 59 bu/ac, with a CV of 9%. 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. There was favorable spring precipitation and temperatures that supported a good grain filling period and high test weights.
5. Grain protein averaged 13.7% with a range of 12.1 to 15.9%. High protein can occur with a high amount of spring growth and N uptake that was supported by the weather conditions, and was reflected in the 31 inch average plant height.