

2010 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)	2010					
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
GOETZE/SKILES	--			168	61.1	11.8	35	43	142
KCF9002	--			145	61.1	11.9	67	42	141
OR2060395	--			142	59.0	11.2	83	41	140
ORCF-102	--	135	136	133	59.6	11.1	92	44	143
UICF-BRUNDAGE	--	131	131	132	58.4	11.8	83	41	143
<i>CARA +25%</i>	--			132	59.1	11.7	90	43	144
AP 700 CL	--	129	134	128	59.2	11.6	95	44	141
BRUNDAGE 96	--	127	130	126	58.6	11.9	96	40	142
WA008063	--	131	131	126	58.3	12.3	83	42	140
SKILES	--	134	134	125	60.1	12.7	96	40	143
<i>ARS970075-3C</i>	--	130	125	123	61.2	11.7	94	47	142
AP LEGACY	--	137	131	120	58.3	11.2	93	44	141
CHUKAR	--	132	130	116	59.7	11.4	96	45	145
MASAMI	--	124	124	116	58.4	11.2	95	43	145
SIMON	--	127	122	115	59.6	11.8	90	43	143
BITTERROOT	--	125	123	114	58.5	11.7	99	43	143
<i>CARA</i>	--	131	128	112	59.0	11.4	95	45	144
OR2040726	--		129	112	60.7	11.4	98	39	140
ARS970170-2L	--		126	111	60.7	10.6	88	45	146
<i>ARS970163-4C</i>	--			111	59.7	11.0	96	47	146
<i>ARS970071-3C</i>	--		124	108	60.8	12.9	98	46	144
MADSEN/ROD	--	124	122	107	58.9	11.2	96	42	144
SALUTE	--	126	121	105	58.2	11.1	95	43	141
FINCH	--	126	123	104	60.2	11.3	96	44	146
<i>CODA</i>	--	123	119	103	61.0	12.8	98	46	144
MADSEN	--	120	115	103	59.6	11.9	96	41	144
WA008114	--			102	58.9	11.6	99	39	139
<i>ARS970184-1C</i>	--			101	57.9	11.7	99	41	145
<i>CHUKAR +25%</i>	--			101	59.5	11.5	90	47	145
STEPHENS	--	123	120	100	58.4	11.5	99	38	140
WA008093	--		117	99	58.9	11.1	98	41	142
WA008115	--			98	59.7	11.6	99	42	140
TUBBS 06	--	126	120	95	57.8	11.1	98	43	142
WA008094	--		111	95	59.3	11.2	99	42	146
ROD	--	124	114	92	58.7	11.4	95	39	144
ROD/TUBBS06	--	124	117	92	58.2	11.1	99	41	142
ARS960277L	--	124	112	90	59.1	11.9	99	40	144
LEGION	--	122	118	89	57.8	11.2	99	39	142
WA008117	--			88	60.5	11.1	99	37	146
KCF9001	--			87	59.4	12.1	99	42	146
REA STEPHENS	--			87	59.9	12.1	98	43	141
<i>BRUEHL</i>	--	118	112	86	56.5	12.0	99	43	146
XERPHA	--	131	119	86	57.7	12.0	99	42	144
ORCF-103	--	113	110	85	58.4	11.7	98	39	146
ELTAN/MADSEN	--	108	106	85	58.6	11.8	99	40	144
KCF9003	--			84	59.7	12.8	99	46	141
ID00-475-2DH	--			84	58.9	11.6	98	41	143
LAMBERT	--	120	113	83	57.1	11.7	98	44	142
WA008116	--			83	59.9	11.0	95	40	146
WB-528	--	120	113	80	60.1	12.1	98	40	140
RJAMES	--	110	107	80	57.9	11.5	98	36	142
WA008092	--		98	76	59.1	11.7	99	42	147
<i>BRUEHL +25%</i>	--			75	57.4	12.2	99	42	146
BRUNEAU	--	111	106	73	58.1	11.7	99	40	142

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
BZ6W02-616	--		103	62	60.3	12.9	99	40	138
GEORGE	--	103	91	59	58.8	11.5	99	40	146
ELTAN/TUBBS06	--	108	99	59	58.6	11.5	99	41	142
ELTAN	--	100	92	53	57.7	12.4	99	41	147
CDC PTARMIGAN	--		84	53	58.0	11.9	99	45	143
DH99-55-2 (Soft Red)	--			52	58.8	11.7	98	44	140
C.V. %	--	8	9	15	1.5	3.8	6	5	1
LSD '@ .10'	--	7	10	20	1.2	0.6	8	3	1
Average	--	123	117	99	59.1	11.7	95	42	143
Highest	--	137	136	168	61.2	12.9	99	47	147
Lowest	--	100	84	52	56.5	10.6	35	36	138

Walla Walla Soft White Winter Wheat – Preliminary Data

1. Grain yield in the Walla Walla soft white winter wheat trial averaged 99 bushels/acre, 24 bushels/acre lower than the 5-year average. Yields were impacted by severe lodging that occurred very early during vegetative stages and severe stripe rust. The Walla Walla nursery was located about nine miles southwest of Waitsburg about mid-way between Waitsburg and Walla Walla, WA (T. Beechinor farm).
2. This nursery was seeded on 17 September, 2009 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. Fall seeding conditions were good and average high overwinter temperatures produced high amounts of vegetative growth. Lodging was noticed in some plot areas before stem elongation and increased during crop development. All plots experienced high levels of lodging and most plots were severely lodged during most of the reproductive growth stages.
3. Yields ranged from 52 bu/ac to 168 bu/ac. All yield values within the 10% LSD range of the highest yield are shown in bold. A blend of Goetze/Skiles was the highest yielding entry in the trial and had the lowest lodging rating. Stripe rust was epidemic at this location and occurred early with a large impact on performance. The lattice RCBD experimental design improved variation allocation during statistical analysis and the CV by 6% for yield. The CV was 14.5% and because of the high CV, lodging, and stripe rust the results from this trial should be cautiously used with appropriate interpretation.
4. Test weights were okay with an average of 59.1 lb/bu and ranged from 56.5 to 61.2 lb/bu. These test weights are good considering the lodging and stripe rust levels in this trial.
5. Grain protein averaged 11.7% with a range of 10.6 to 12.9%. Plant length averaged 42 inches.