

2010 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT ST. ANDREWS, WA.

Variety Name <i>*Club Italicized</i>	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
WA008094	--		51	75	60.0	11.2	0	36	167
FINCH	--	52	51	72	60.2	11.7	0	35	167
DH99-55-2 (Soft Red)	--			72	59.6	10.7	0	39	162
ARS970170-2L	--		50	69	58.8	11.6	0	38	166
WA008092	--		47	68	58.8	11.1	0	37	168
CHUKAR	--	48	54	66	58.1	10.6	0	37	167
XERPHA	--	50	52	66	59.4	10.7	0	35	166
ARS970071-3C	--		54	66	60.2	12.6	0	37	166
CARA +25%	--			64	58.4	11.0	0	32	166
ID00-475-2DH	--			64	60.0	11.7	0	34	165
BRUEHL	--	48	46	63	57.6	11.3	0	36	168
ELTAN/MADSEN	--	46	44	62	58.5	11.8	0	35	167
BRUEHL +25%	--			62	57.4	11.3	0	36	168
SKILES	--	45	46	61	58.7	12.4	0	33	165
GEORGE	--	51	45	60	58.7	10.6	0	36	168
CHUKAR +25%	--			60	58.4	10.8	0	37	167
RJAMES	--	45	42	59	56.3	10.6	0	33	166
ARS960277L	--	47	45	59	58.6	10.3	0	35	166
CODA	--	43	46	58	61.0	12.1	0	38	167
BRUNDAGE 96	--	44	44	58	55.9	12.1	0	35	163
TUBBS 06	--	41	42	58	57.6	11.4	0	36	166
WA008116	--			58	58.8	11.7	0	32	167
ELTAN	--	49	43	57	58.9	10.3	0	35	167
ARS970075-3C	--	43	42	57	58.9	11.3	0	37	166
MASAMI	--	43	43	56	57.8	10.6	0	35	167
BITTERROOT	--	39	40	56	59.4	10.6	0	34	167
ORCF-103	--	43	42	56	58.3	11.1	0	32	166
LEGION	--	41	41	55	57.5	11.0	0	35	164
GOETZE/SKILES	--			55	58.8	12.7	0	33	164
SIMON	--	37	40	54	58.5	11.4	0	33	165
AP LEGACY	--	40	42	54	59.3	10.8	0	36	163
OR2040726	--		42	54	58.5	10.9	0	32	163
CDC PTARMIGAN	--		41	53	57.5	11.2	0	39	163
WA008117	--			53	59.2	10.9	0	31	167
ARS970184-1C	--			52	58.0	11.2	0	32	165
KCF9001	--			52	59.7	11.0	0	38	167
UICF-BRUNDAGE	--	41	42	51	56.1	11.6	0	33	163
CARA	--	40	44	50	57.9	10.4	0	33	167
WB-528	--	39	42	50	58.9	12.1	0	34	164
ROD	--	43	38	49	56.9	11.1	0	34	167
SALUTE	--	41	38	49	57.8	11.0	0	35	165
ROD/TUBBS06	--	41	40	49	57.3	11.6	0	36	166
ORCF-102	--	38	38	48	59.4	11.1	0	35	165
BZ6W02-616	--		34	48	59.2	10.9	0	34	162
WA008115	--			48	59.8	11.4	0	32	162
REA STEPHENS	--			48	58.3	11.4	0	36	162
AP 700 CL	--	35	36	47	56.8	12.1	0	34	166
WA008093	--		34	47	57.4	11.8	0	34	165
KCF9003	--			47	59.9	11.5	0	42	164
LAMBERT	--	40	37	46	57.4	11.8	0	36	164
STEPHENS	--	34	35	46	57.9	10.9	0	31	163
MADSEN/ROD	--	40	38	45	57.2	11.4	0	34	167
OR2060395	--			45	56.6	11.6	0	32	165
ELTAN/TUBBS06	--	42	36	44	58.2	10.8	0	37	165

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
MADSEN	--	37	35	43	58.5	11.8	0	34	167
WA008114	--			41	58.5	12.0	0	34	162
<i>ARS970163-4C</i>	--			41	56.8	10.6	0	35	167
KCF9002	--			41	59.2	12.4	0	29	164
BRUNEAU	--	34	35	40	58.5	11.2	0	32	166
WA008063	--	28	29	38	60.1	12.2	0	32	162
C.V. %	--	17	18	19	1.6	7.3	--	6	1
LSD '@ .10'	--	6	8	14	1.3	1.1	--	3	1
Average	--	42	42	54	58.4	11.3	0	35	165
Highest	--	52	54	75	61.0	12.7	0	42	168
Lowest	--	28	29	38	55.9	10.3	0	29	162

St. Andrews Soft White Winter Wheat – Preliminary Data

1. Grain yield in the St. Andrews soft white winter wheat trial averaged 54 bushels/acre, 12 bushels/acre higher than the 3-year average for this location. The St. Andrews nursery was located about seven miles west of Coulee City, WA (Larry Tannenberg, cooperator).
2. This nursery was seeded on 31 August, 2009 following summer fallow. Seed was placed at a 45#/acre seeding rate using a deep furrow plot drill set on 15-inch spacing. Base fertilizer was 40#N and a spring soil test showed 186#N/acre available in the top 4-foot sample. Fall seeding conditions were good, emergence, and stand establishment were adequate.
3. Yields ranged from 38 bu/ac to 75 bu/acre. All yield values within the 10% LSD range of the highest yield are shown in bold and 13 of the 60 trial entries are in the top group. Finch was the highest yielding cultivar in the trial. Stripe rust was moderate at this location with low impact. The lattice RCBD experimental design improved variation allocation during statistical analysis and the CV by 31% for yield. For yield the CV was 19%, but the F-test was highly significant and there is a good separation of cultivars with the LSD showing the value of this trial.
4. Test weights were okay with an average of 58.4 lb/bu and ranged from 55.9 to 61.0 lb/bu.
5. Grain protein averaged 11.3% with a range of 10.3 to 12.7%. Plant height averaged 35 inches.