

2013 WSU Variety Testing SW Winter Wheat Trial, St. Andrews

Variety Name <i>*Club Italicized</i>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2013				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
Eltan	60	71	65	71	60.4	11.3	36	154
JC1108				69	59.2	11.7	36	156
<i>Coda</i>	55	60	60	68	63.4	12.8	35	155
WA 8151			62	67	59.3	12.0	31	156
Tubbs 06	57	67	67	67	59.0	11.7	35	153
<i>Bruehl</i>	57	65	64	65	60.0	12.0	36	156
WA 8170				65	60.5	12.6	34	154
Eltan/Tubbs 06	55	68	61	65	59.4	12.0	35	154
WA 8169				63	59.2	11.8	34	154
Otto	60	68	62	63	59.3	11.8	35	156
WA 8152			61	63	60.5	12.2	33	153
ARS-Selbu (ARS970161-3L)		61	62	63	61.6	11.8	34	155
WA 8143		63	60	63	60.9	10.8	36	157
LWW-04-4009			60	62	59.8	12.1	33	158
WA 8155			62	62	60.7	10.5	36	156
Masami	56	64	62	62	59.5	11.3	33	156
Xerpha	60	65	63	62	59.7	12.1	35	155
LWW10-1018				61	55.9	12.1	32	158
Skiles	54	60	54	60	59.2	13.1	31	156
Bobtail (OR0807P94)			59	60	57.7	11.6	31	155
4J071246-1C				59	57.6	12.4	35	157
ORCF-103	52	59	59	56	58.7	11.6	33	156
<i>ARS97230-6C</i>				55	61.5	11.5	29	156
<i>ARS990077-1C</i>			52	54	60.0	12.0	32	158
<i>ARS010780-3C</i>			53	53	60.4	11.3	31	155
WA 8171				53	58.8	11.7	36	153
WB-Junction				52	62.3	12.2	33	151
99-06202A				52	60.4	11.0	32	155
ARS010729-1L				52	60.6	12.2	29	154
Madsen	47	54	55	51	60.3	13.2	33	156
Mary	48	53	51	51	59.1	13.8	31	153
<i>ARS98X402-1C</i>				50	58.9	11.9	30	156
ARS-Amber		57	55	48	59.1	12.3	32	155
<i>ARS-Crescent</i>		58	54	47	56.4	12.3	31	158
<i>ARS-Chrystal</i>		50	48	46	56.2	13.5	31	155
Kaseberg (OR2071628)		52	51	45	59.4	11.9	30	153
WA 8153			44	43	57.5	14.3	35	156
Puma (WA 8134)		53	50	41	59.9	12.5	31	155
WB-528	46	48	46	41	60.3	13.3	33	153
Stephens	45	51	48	37	58.4	13.0	31	154
03-29902A				37	58.6	13.9	29	157
02-10606A				33	53.9	14.2	29	160
<i>Cara</i>	46	47	46	32	52.6	13.7	30	155
Trifecta				32	59.2	13.4	27	152
OR2080924				29	52.4	13.7	28	156
<i>ARS010746-2C</i>				25	57.2	14.3	26	158
OR2071071 (Rosalyn)								

- - - - - Variety Lost, No Data - - - - -

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
C.V. %	15	14	12	13	1.6	5.9	6	1
LSD (.10)	4	5	5	7	1.0	0.8	2	1
Average	53	59	56	53	58.8	12.4	32	155
Highest	60	71	67	71	63.4	14.3	36	160
Lowest	45	47	36	25	52.4	10.5	26	151

St. Andrews Soft White Winter Wheat - *Preliminary Data*

1. Grain yield in the 2013 St. Andrews soft white winter wheat trial averaged 53 bushels/acre, equal to the 5-year average for this location. The St. Andrews nursery was located about 7 miles west of the town of Coulee, WA (L. Tannenberg, Cooperator).
 2. This nursery was seeded on 4 September, 2012 following fallow. Seed was placed at a 50#/acre seeding rate using a deep-furrow plot drill set on 15-inch spacing. Base fertilizer was 50#N/acre pre-plant applied. Fall seeding conditions produced good emergence and stand establishment.
 3. Yields ranged from 25 to 71 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold and this included 8 of the 47 entries in this trial. The WSU variety 'Eltan' was the highest yielding named entry in the trial and tied with 'Otto' and 'Xerpha' as highest yielding in the 5-year average at this site. There was moderately severe snow mold incidence and stand loss for susceptible varieties at this location. Snow mold stand assessment can be found on a separate table. Snow mold stand losses contributed to higher CV's at this location, but a wide range in agronomic values produced high probabilities of differences among entries. It is also probable that some plants at this site experienced damaging frost. There was a low amount of stripe rust potential at this location and fungicide was applied once with the herbicide application.
- Test weights averaged 58.8 lbs./bu and ranged from 52.4 to 63.4 lbs./bu. Grain protein averaged 12.4% with a range of 10.5 to 14.3%. Plant height averaged 32 inches and there was no lodging