

## 2012 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)	2012				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
<i>Chukar</i>	55	66	67	<b>73</b>	61.6	10.0	36	161
<b>Tubbs 06</b>	51	64	67	<b>68</b>	61.4	9.3	38	159
<b>ARS970277L reselect</b>				65	62.1	10.0	35	160
<b>Xerpha</b>	56	66	66	64	61.6	10.7	36	161
<b>ARS970161-2L</b>				63	<b>62.7</b>	10.8	36	160
<i>Bruehl</i>	55	64	65	62	60.2	10.7	36	162
<b>Masami</b>	52	62	66	62	60.9	10.1	36	162
<b>Otto (WA 8092)</b>		70	71	62	61.6	11.3	35	162
<i>ARS-Crescent (ARS970163-4C)</i>		57	64	61	62.2	10.5	35	163
<b>ARS-Amber (ARS960277L)</b>	58	61	62	61	61.4	9.7	35	160
<b>WA 8155</b>				61	61.9	11.2	37	162
<b>WA 8116</b>		64	68	61	62.0	11.4	32	162
<b>ORCF-103</b>	50	59	60	61	61.9	10.7	35	161
<b>ARS970161-3L</b>			60	61	<b>63.2</b>	11.3	36	160
<b>WA 8137</b>				60	<b>63.0</b>	10.9	34	162
<i>Cara</i>	46	53	55	60	60.9	10.2	33	160
<b>LCS-Artdeco (NSA06-2153A)</b>			36	59	60.1	10.2	32	157
<b>ORCF-102</b>	48	57	61	59	61.8	10.7	37	158
<b>Madsen</b>	44	51	56	59	61.8	10.8	35	160
<b>WA 8134</b>			59	59	61.5	10.9	37	158
<b>Eltan</b>	57	66	70	59	62.2	11.0	35	162
<b>WA 8152</b>				58	61.8	11.5	38	159
<b>OR2070870</b>				58	61.3	12.1	34	159
<b>OR08047P94</b>				58	58.7	9.6	33	159
<b>Stephens</b>	44	54	59	58	61.7	11.2	34	157
<b>Eltan/Tubbs 06</b>	53	61	70	58	61.1	9.9	37	160
<b>LWW-04-4009</b>				57	<b>62.6</b>	10.9	33	162
<b>OR2701071</b>				57	58.8	9.2	34	159
<b>WA 8143</b>			63	57	62.0	11.3	37	162
<b>WA 8151</b>				57	61.3	10.6	33	160
<b>OR2071628</b>			55	56	61.3	10.4	34	158
<b>Rod</b>	50	57	61	54	61.2	10.5	34	160
<b>Madsen/Rod</b>	49	57	63	54	61.2	10.9	36	160
<i>ARS010780-3C</i>				53	61.9	10.7	34	161
<b>WB-528</b>	44	51	51	52	<b>62.8</b>	10.8	34	156
<b>WA 8136</b>			58	52	60.5	10.6	32	162
<b>IDO663</b>			57	52	61.9	11.1	32	157
<b>WA 8154</b>				52	62.4	11.2	35	160
<i>Coda</i>	49	57	57	52	<b>62.8</b>	11.6	34	161
<b>Mary (OR2040726)</b>		54	53	51	61.5	11.1	33	158
<i>ARS010762-2C</i>				51	59.9	11.3	35	160
<i>ARS-Chrystal (ARS970075-3C)</i>	51	54	52	50	62.1	10.4	34	161
<i>ARS990077-1C</i>				49	61.6	10.1	34	161
<b>WA 8135</b>			53	49	<b>62.6</b>	11.1	36	160
<b>Skiles</b>	51	61	60	47	61.3	10.7	31	159
<b>WA 8142</b>			48	47	62.5	11.7	33	157
<b>Goetze/Skiles</b>		51	49	47	61.0	12.2	32	156
<b>WA 8153</b>				45	62.4	12.7	35	159

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
C.V. %	15	16	14	10	0.9	7.0	4	1
LSD (.10)	4	6	6	6	0.6	0.8	1	1
Average	51	59	59	57	61.6	10.8	35	160
Highest	58	70	71	73	63.2	12.7	38	163
Lowest	44	51	36	45	58.7	9.2	31	156

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

1. Grain yield in the 2012 St. Andrews soft white winter wheat trial averaged 57 bushels/acre, 6 bushels/acre higher than the 5-year average. The St. Andrews nursery was located about 7 miles west of Coulee City, WA (Larry Tannenberg, cooperator).
2. This nursery was seeded on 13 September, 2011 following fallow. Seed was placed at a 45#/acre seeding rate using a deep-furrow plot drill set on 15-inch spacing. Base fertilizer was 50#N/acre applied pre-plant. Fall seeding conditions were good as were emergence and stand establishment.
3. Yields ranged from 45 to 73 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold. The club variety `Chukar' was the highest yielding entry in the trial, and 2 of the 48 entries were within the top LSD range. The recently released variety `ARS-Amber' was the top yielding entry across five years of results at this location. Stripe rust potential at this location was low and fungicide was applied 7 May at herbicide timing for stripe rust control.
4. Test weights averaged 61.6 lbs./bu, and ranged from 58.7 to 63.2 lbs./bu. Grain protein averaged 10.8% and ranged from 9.2 to 12.7%. Plant height averaged 35 inches and there was no lodging.