

## 2012 WSU Variety Testing SW Winter Wheat Trial, Dayton

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
LCS-Artdeco (NSA06-2153A)			168	156	61.7	9.5	38	148
<b>WA 8152</b>				148	62.0	10.3	47	153
<i>ARS-Chrystal (ARS970075-3C)</i>	139	151	145	148	62.6	9.7	45	154
<b>IDO663</b>			149	147	62.3	9.7	41	151
<b>ARS970161-3L</b>			156	146	63.7	9.9	43	155
<b>OR08047P94</b>				146	60.2	9.6	39	155
<b>Stephens</b>	136	144	148	145	61.8	10.1	41	152
<i>Chukar</i>	142	154	151	143	60.9	9.6	44	155
<b>ARS-Amber (ARS960277L)</b>	141	150	145	143	61.5	9.3	43	154
<b>Mary (OR2040726)</b>		144	150	142	62.4	9.8	40	154
<b>WB-528</b>	141	145	153	141	62.7	9.5	43	148
<b>Eltan/Tubbs 06</b>	134	141	149	141	60.9	9.4	46	154
<b>WA 8134</b>			145	141	62.0	10.1	48	153
<i>ARS-Crescent (ARS970163-4C)</i>		149	146	141	61.5	9.2	44	157
<b>WA 8137</b>				140	62.7	9.7	44	157
<i>Cara</i>	147	161	153	140	61.0	9.8	40	155
<i>ARS990077-1C</i>				139	61.3	10.0	43	155
<b>WA 8153</b>				139	62.2	9.9	44	153
<b>Skiles</b>	143	156	155	138	62.8	10.0	41	154
<b>Otto (WA 8092)</b>		149	146	138	61.2	10.4	44	158
<i>Bruehl</i>	138	153	147	138	58.4	9.5	44	156
<b>OR2070870</b>				137	61.8	10.6	38	154
<b>Madsen</b>	138	148	148	137	61.9	11.1	42	154
<b>ARS970277L reselect</b>				136	61.5	9.4	44	155
<b>WA 8154</b>				136	62.0	10.2	47	154
<b>WA 8116</b>		143	143	136	62.5	9.4	42	157
<i>ARS010762-2C</i>				136	61.4	10.3	48	156
<b>Madsen/Rod</b>	135	137	144	135	61.2	10.3	42	155
<b>LWW-04-4009</b>				134	62.5	9.9	40	157
<b>OR2701071</b>				134	59.3	9.7	42	154
<b>Masami</b>	123	126	131	133	60.7	9.7	43	156
<b>WA 8151</b>				133	61.8	9.8	43	154
<b>ORCF-102</b>	140	143	142	133	61.9	9.6	44	153
<i>Coda</i>	135	141	131	133	63.5	10.4	47	155
<b>Xerpha</b>	137	137	141	133	61.4	9.6	44	154
<b>Rod</b>	137	140	136	132	60.4	9.3	41	154
<b>Goetze/Skiles</b>		144	150	131	61.5	9.9	40	148
<b>Tubbs 06</b>	128	127	141	131	60.6	9.4	46	154
<b>OR2071628</b>			142	131	61.0	9.2	40	152
<b>ARS970161-2L</b>				130	63.4	10.0	43	155
<b>WA 8142</b>			145	130	62.5	11.1	43	153
<b>WA 8135</b>			138	130	63.0	10.8	44	157
<i>ARS010780-3C</i>				129	62.5	10.7	45	157
<b>ORCF-103</b>	130	134	133	127	61.0	9.7	42	157
<b>WA 8136</b>			132	126	59.5	9.7	41	158
<b>Eltan</b>	125	127	120	107	60.3	9.8	43	157
<b>WA 8155</b>				102	60.9	9.5	45	158
<b>WA 8143</b>			119	102	60.4	9.5	44	158

## 2012 WSU Variety Testing SW Winter Wheat Trial, Dayton

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
C.V. %	6	6	6	6	0.5	4.2	3	1
LSD (.10)	4	5	6	9	0.3	0.4	1	1
Average	136	144	144	135	61.6	9.9	43	155
Highest	147	161	168	156	63.7	11.1	48	158
Lowest	123	126	119	102	58.4	9.2	38	148

### Dayton Soft White Winter Wheat - Preliminary Data

1. Grain yield in the 2012 Dayton soft white winter wheat trial averaged 135 bushels/acre, similar to the 5-year average yield. The Dayton nursery was located about 6 miles northwest of Dayton, WA (Jay Penner, cooperator).
2. This nursery was seeded on 28 September, 2011 following fallow. Seed was placed at an 85#/acre seeding rate using a double-disc plot drill set on 6-inch spacing. Base fertilizer was 135#N/acre applied pre-plant. Fall seeding conditions were good as were emergence and stand establishment.
3. Yields ranged from 102 to 156 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold. The variety `LCS-Artdeco' was the highest yielding entry in the trial, and 4 of the 48 entries were within the top LSD range. The club variety `Cara' was the top yielding entry across five years of results at this location. Stripe rust potential at this location was moderate and fungicide was applied 29 March at herbicide timing and at 29 April along with an insecticide.
4. Test weights were very good averaging 61.6 lbs./bu, and ranged from 58.4 to 63.7 lbs./bu. Grain protein averaged 9.9% and ranged from 9.2 to 11.1%. Plant height averaged 43 inches and there was no lodging.