

2012 WSU Variety Testing SW Winter Wheat Trial, St. John

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
LCS-Artdeco (NSA06-2153A)			150	145	59.7	9.6	38
OR2701071				137	57.3	9.1	38
<i>Chukar</i>	151	154	153	136	59.0	9.3	44
WA 8153				135	60.5	10.6	43
OR08047P94				135	57.7	10.0	39
ARS-Amber (ARS960277L)	145	148	153	134	60.2	9.4	42
IDO663			139	134	59.8	10.6	41
ARS970161-3L			158	134	62.1	10.2	41
ARS970277L reselect				132	59.4	9.4	42
Stephens	133	134	132	131	59.7	10.4	41
<i>ARS-Crescent (ARS970163-4C)</i>		143	145	131	59.9	9.0	44
WA 8134			149	131	60.3	10.7	43
Skiles	147	152	147	129	61.3	9.9	38
ARS970161-2L				128	61.9	10.2	41
Madsen	138	144	143	128	60.3	11.1	41
<i>ARS010780-3C</i>				128	60.9	10.9	42
LWW-04-4009				127	60.6	10.1	39
<i>ARS990077-1C</i>				127	59.3	9.4	42
<i>Cara</i>	154	161	152	126	59.1	9.8	39
OR2071628			143	126	58.8	10.4	39
<i>Bruehl</i>	133	137	125	126	56.7	10.2	43
WA 8151				126	59.1	10.2	41
WA 8154				125	61.1	9.8	42
<i>ARS-Chrysal (ARS970075-3C)</i>	136	144	146	124	60.4	9.2	44
WA 8152				124	60.2	9.4	45
WA 8142			136	121	61.4	10.4	40
WB-528	133	129	132	120	61.5	10.3	39
Otto (WA 8092)		139	137	117	59.3	10.8	42
OR2070870				116	59.5	10.6	38
Madsen/Rod	131	130	132	116	58.6	11.3	41
Masami	121	114	122	116	58.1	9.1	41
<i>ARS010762-2C</i>				115	59.2	10.1	45
WA 8135			137	115	61.3	11.1	43
<i>Coda</i>	130	136	129	114	61.9	9.7	44
ORCF-103	123	117	118	110	58.0	9.1	40
WA 8136			141	109	56.6	8.9	37
Tubbs 06	124	108	115	109	57.9	9.3	43
Eltan/Tubbs 06	123	114	121	108	57.7	10.0	44
Rod	129	126	127	108	57.3	9.1	39
Mary (OR2040726)		132	127	108	58.6	10.6	38
WA 8137				108	60.0	9.6	43
WA 8116		133	139	107	59.9	9.5	39
ORCF-102	132	130	123	105	59.5	10.5	43
WA 8155				104	59.6	9.2	44
Goetze/Skiles		126	123	101	57.4	11.0	38
WA 8143			119	101	59.1	9.8	42
Eltan	120	116	120	96	57.5	9.6	43
Xerpha	119	101	108	96	56.4	12.1	43

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT
C.V. %	8	8	8	8	1.6	12.7	3
LSD (.10)	5	6	8	10	1.0	1.3	1
Average	133	132	135	120	59.4	10.0	41
Highest	154	161	158	145	62.1	12.1	45
Lowest	119	101	108	96	56.4	8.9	37

St. John Soft White Winter Wheat - Preliminary Data

1. Grain yield in the 2012 St. John soft white winter wheat trial averaged 120 bushels/acre, 13 bushels/acre lower than the 5-year average yield. The St. John nursery was located about three miles east of St. John, WA (M. Mills, cooperator).

2. This nursery was seeded on 27 September, 2011 following fallow. Seed was placed at an 85#/acre seeding rate using a plot drill equipped with double-disc openers set on 6-inch spacing. Base fertilizer was 90#N/acre applied pre-plant. Fall seeding conditions were good as were emergence and stand establishment.

3. Yields ranged from 96 to 145 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold. 'LCS Artdeco' was the highest yielding entries in the trial, and 5 of the 48 entries were within the top LSD range. The club 'Cara' was the top yielding entry across five years of results at this location. Stripe rust potential was moderate at this location with an estimated yield loss in the range of 25% by more rust susceptible cultivars. St. John is the planned no fungicide location in the 16" -20" rainfall zone to allow stripe rust reaction ratings.

4. Test weights averaged 59.4 lbs./bu and ranged from 56.4 to 62.1 lbs./bu with stripe rust lowering test weight of susceptible cultivars. Grain protein averaged 10.0% and ranged from 8.9 to 12.1%. Plant height averaged 41 inches and there was no lodging.