

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

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	LODGING (%)
OR2701071				146	58.8	9.6	40	148	0
LCS-Artdeco (NSA06-2153A)			137	146	61.2	9.7	41	146	0
ARS970161-2L				145	62.7	10.3	45	150	0
<i>ARS-Crescent (ARS970163-4C)</i>		125	131	142	60.9	9.1	45	151	0
OR08047P94				139	59.9	9.7	41	149	0
WA 8151				138	61.0	9.5	43	150	0
WA 8134			140	137	61.1	9.6	48	148	0
ARS970161-3L			143	137	62.2	9.6	44	150	0
<i>Chukar</i>	131	125	130	136	59.8	9.3	48	150	0
<i>ARS-Chrystal (ARS970075-3C)</i>	134	132	137	134	61.9	9.5	48	149	0
ARS-Amber (ARS960277L)	124	116	129	133	61.3	9.4	44	150	0
WA 8153				133	61.3	10.1	46	149	0
WA 8137				133	62.0	9.8	45	154	0
Xerpha	124	106	115	132	60.7	9.3	43	150	0
Tubbs 06	126	116	126	132	60.4	9.2	48	148	0
ARS970277L reselect				131	60.8	9.2	46	151	7
OR2070870				131	60.6	10.2	40	149	0
<i>ARS990077-1C</i>				130	60.4	9.4	43	151	0
<i>Cara</i>	133	128	137	130	59.7	9.5	44	149	0
Madsen/Rod	125	119	125	129	60.6	9.6	45	150	0
OR2071628			134	128	60.4	9.5	41	148	0
<i>ARS010780-3C</i>				127	61.3	10.2	44	152	0
Madsen	126	124	134	126	61.4	10.3	43	150	0
LWW-04-4009				126	62.1	9.9	41	153	0
Masami	128	127	133	125	60.6	9.4	46	153	0
<i>ARS010762-2C</i>				124	60.0	10.1	50	150	0
ORCF-102	132	130	128	124	62.0	9.8	46	149	0
WA 8116		111	124	123	61.9	10.2	41	152	3
IDO663			130	124	61.9	10.3	43	147	0
Rod	120	106	113	123	59.3	9.2	41	151	23
Goetze/Skiles		135	118	123	61.6	10.4	41	148	0
Mary (OR2040726)		127	135	122	61.5	9.5	40	148	0
WA 8152				122	62.0	10.3	48	149	7
<i>Coda</i>	121	114	119	121	62.0	9.8	48	150	0
Eltan/Tubbs 06	113	99	119	121	61.0	9.3	46	148	0
Stephens	124	117	125	120	61.3	9.7	40	147	0
WB-528	120	106	118	120	62.5	10.0	41	147	30
ORCF-103	115	106	117	119	60.9	9.8	42	152	0
WA 8142			125	116	62.1	10.9	42	148	0
WA 8136			124	115	59.1	9.9	42	153	0
<i>Bruehl</i>	115	103	111	115	58.5	10.0	42	152	3
WA 8154				114	61.7	10.2	46	149	20
Skiles	132	127	128	114	62.4	10.5	41	148	0
WA 8135			121	113	62.5	10.5	43	151	0
Otto (WA 8092)		99	111	113	60.2	10.2	46	153	0
WA 8143			86	95	59.9	10.3	46	152	55
Eltan	91	69	77	85	60.0	10.7	42	152	63
WA 8155				84	59.3	10.3	44	152	83

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	LODGING (%)
C.V. %	9	11	10	6	0.7	4.2	4	1	213
<b>LSD (.10)</b>	5	8	9	8	0.4	0.4	2	1	14
<b>Average</b>	123	115	124	125	61.0	9.9	44	150	6
<b>Highest</b>	134	135	143	146	62.7	10.9	50	154	83
<b>Lowest</b>	91	69	77	84	58.5	9.1	40	146	0

### Walla Walla Soft White Winter Wheat

1. Grain yield in the 2012 Walla Walla soft white winter wheat trial averaged 125 bushels/acre, slightly higher than the 5-year average. The Walla Walla nursery was located about six miles north of Walla Walla, WA (Jason Beechinor, cooperator).
2. This nursery was seeded on 28 September, 2011 following chem-fallow. Seed was placed at an 85#/acre seeding rate using a Cross-Slot opener equipped no-till plot drill set on 10-inch spacing. Base fertilizer was 114#N/acre pre-plant applied. Fall seeding conditions were good as were emergence and stand establishment.
3. Yields ranged from 84 to 146 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold. 'LCS-Artdeco' was the highest yielding named entry in the trial, and 6 of the 48 entries were within the top LSD range. 'ARS Chrystal' (club) was the top yielding entry across five years of results at this location. There was lodging in the trial and the lowest yielding varieties had the highest lodging ratings. There was moderate/high stripe rust potential at this location and fungicide was applied for stripe rust control in April at herbicide application timing and again shortly before head emergence at the end of May.
4. Test weights averaged 61.0 lbs/bu and ranged from 58.5 to 62.7 lbs/bu. Grain protein averaged 9.9% and narrowly ranged from 9.1 to 10.9%. Plant height averaged 44 inches and there was up to 83% lodging, but most cultivars did not show lodging.