

2012 WSU Variety Testing SW Winter Wheat Trial, Lamont

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	LODGING (%)
OR08047P94				157	59.6	10.5	38	13
ARS970161-3L			133	147	62.8	10.8	40	0
WA 8151				140	61.1	10.5	38	3
Stephens	90	101	109	138	62.2	10.8	38	0
Tubbs 06	103	117	122	138	59.5	10.3	41	3
OR2070870				136	61.7	10.4	38	0
OR2701071				136	59.1	10.0	35	0
Masami	106	119	116	135	59.8	10.4	41	0
<i>Cara</i>	114	128	136	133	60.5	11.0	39	0
Madsen/Rod	102	115	121	132	60.9	10.4	40	0
ARS970161-2L				131	62.4	11.0	40	7
<i>ARS-Crescent (ARS970163-4C)</i>		111	120	131	60.7	10.0	42	10
WA 8137				131	61.7	10.9	42	35
WA 8135			114	131	62.5	11.7	41	0
ARS-Amber (ARS960277L)	112	119	121	131	61.0	10.5	37	0
Skiles	110	122	127	131	61.5	11.2	35	0
OR2071628			120	130	60.2	10.2	36	0
<i>ARS010780-3C</i>				129	61.5	11.5	41	0
WA 8142			110	129	62.0	11.2	37	0
<i>Bruehl</i>	99	111	116	128	57.7	11.5	43	17
Xerpha	114	124	124	128	60.7	10.5	40	0
<i>ARS990077-1C</i>				128	60.9	11.3	38	32
<i>Coda</i>	102	112	123	128	63.1	11.1	44	25
WA 8153				127	62.2	10.8	39	0
WA 8134			125	126	61.9	10.6	43	27
ARS970277L reselect				126	60.4	10.2	38	7
Rod	99	105	110	125	60.0	10.3	36	0
WA 8154				125	62.2	11.1	39	0
ORCF-102	104	116	121	124	61.4	9.8	41	0
WA 8136			105	124	58.9	10.9	36	0
Madsen	93	108	110	123	61.9	11.6	39	0
Goetze/Skiles		114	114	122	61.2	10.5	36	0
IDO663			102	122	62.2	10.6	35	0
<i>ARS-Chrystal (ARS970075-3C)</i>	110	119	127	121	61.0	11.3	40	0
WA 8152				119	61.3	11.6	40	37
<i>Chukar</i>	104	112	118	119	60.8	11.1	43	30
Eltan/Tubbs 06	99	109	108	119	60.1	10.5	38	17
<i>ARS010762-2C</i>				117	59.3	11.7	43	0
Mary (OR2040726)		91	100	117	59.6	10.8	36	0
LWW-04-4009				116	62.3	10.9	37	47
ORCF-103	98	110	105	112	59.6	9.9	38	47
WA 8116		108	101	112	60.6	10.9	35	20
Otto (WA 8092)		106	105	110	60.1	10.7	41	57
WB-528	91	101	101	106	62.3	10.3	41	0
Eltan	99	104	100	100	59.3	10.3	39	68
LCS-Artdeco (NSA06-2153A)			91	95	61.2	11.5	34	0
WA 8155				94	60.0	10.5	41	93
WA 8143			99	92	60.3	10.3	41	88

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	LODGING (%)
C.V. %	10	10	10	8	1.0	7.2	6	96
LSD (.10)	5	7	8	10	0.6	0.8	2	14
Average	103	112	114	124	60.9	10.8	39	14
Highest	114	128	136	157	63.1	11.7	44	93
Lowest	90	91	91	92	57.7	9.8	34	0

Lamont Soft White Winter Wheat - Preliminary Data

1. Grain yield in the 2012 Lamont soft white winter wheat trial averaged 124 bushels/acre, 21 bushels/acre higher than the 5-year average yield. The Lamont nursery was located about 4 miles southeast of Lamont, WA (G. White, cooperator).

2. This nursery was seeded on 15 September, 2011 following fallow. Seed was placed at an 85#/acre seeding rate using a hoe-type opener plot drill set on 9-inch spacing. Base fertilizer was 80#N/acre applied pre-plant. Fall seeding conditions were good as were emergence and stand establishment.

3. Yields ranged from 92 to 157 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold. `Stephens' was the highest yielding named entry in the trial, but there were three numbered lines higher and 2 of the 48 entries were within the top LSD range. The club `Cara' and `Xerpha' were the top yielding entries across five years of results at this location. Stripe rust potential at this location was low and fungicide was applied with herbicide.

4. Test weights were good averaging 60.9 lbs./bu and ranged from 57.7 to 63.1 lbs./bu. Grain protein averaged 10.8% and ranged from 9.8 to 11.7%. Plant height averaged 39 inches. Lodging was variable in this trial averaging 14% but ranged from 0% to 93% and had an impact on yield and test weights for high lodging entries.