

2011 WSU Variety Testing SW Winter Wheat Trial, Lamont

Variety Name *Club Italized	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2011					
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	LODGING (%)	HEAD DATE
Cara	108	120	125	139	59.8	12.5	40	0	159
Cara +25%			117	136	60.1	10.9	38	0	160
ARS970075-3C			118	134	61.3	11.1	40	0	161
03PN107#3				133	61.3	10.9	38	17	156
Skiles		110	118	124	61.4	11.2	37	10	159
WA 8134				124	60.5	11.8	45	0	158
SY Ovation				122	60.8	10.8	39	0	156
AP Badger				121	58.7	11.0	32	0	156
Chukar +25%			112	120	59.7	10.3	42	0	161
96-16702A				120	62.6	10.5	41	7	156
Xerpha	109	117	122	119	60.2	11.0	37	0	161
ARS970161-3L				119	61.7	11.6	40	0	161
Coda	95	98	104	118	62.6	12.1	45	3	161
ORCF-102	99	102	112	118	60.9	10.9	44	0	160
Finch	103	111	116	117	61.6	11.0	37	0	163
Chukar	99	108	108	116	60.0	11.1	42	0	161
ARS98X402-1C				113	61.0	11.2	36	7	162
ARS960277L (ARS-Amber)			113	112	60.7	11.0	40	0	160
ARS97230-6C				112	60.7	9.4	36	0	160
Madsen/Rod	95	99	106	110	60.1	11.7	41	0	162
ARS970163-4C			101	109	60.9	10.4	38	0	162
OR2071628				109	59.5	10.3	37	0	156
WA 8114			98	108	61.4	11.3	42	0	156
Goetze/Skiles			110	107	60.8	10.8	39	0	153
Tubbs 06	97	97	106	106	59.5	9.6	42	0	160
Rod/Tubbs 06		101	111	106	60.2	10.8	42	0	159
OR2070385				106	60.1	10.5	36	10	161
WA 8143				105	60.3	10.3	40	23	165
Bruehl	93	96	103	103	58.8	10.4	37	0	165
Legion		92	102	100	59.7	10.8	39	10	161
WA 8092		98	105	100	60.0	11.3	37	3	166
Eltan	98	102	105	99	60.8	10.4	38	13	162
Brundage 96	95	95	106	98	60.2	11.8	35	0	156
Eltan/Tubbs 06		96	103	98	60.0	10.1	37	0	159
WA 8135				98	61.5	11.1	41	10	164
Madsen	87	89	100	97	60.0	11.1	37	0	162
Masami	99	102	111	97	59.7	10.6	40	0	163
ORCF-103	96	101	109	97	59.7	10.1	33	13	164
WB-528	87	88	99	96	61.0	11.1	33	0	154
AP Legacy		105	106	96	59.1	9.8	39	0	160
Rod	94	93	95	95	59.4	11.0	38	0	160
UICF-Brundage	95	95	100	95	59.5	10.9	31	0	161
ID00-475-2DH			99	95	61.9	11.7	38	13	162
WA 8094		97	105	94	60.8	11.5	35	0	164
BZ6W02-616		89	96	91	61.8	11.3	36	13	152
WA 8116			106	91	61.1	11.1	36	7	164

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	LODGING (%)	HEAD DATE
WA 8142				91	61.0	12.4	39	0	156
WA 8144				91	60.9	11.8	39	7	165
WA 8136				87	58.8	11.0	32	0	165
WA 8145				86	59.6	12.4	39	10	154
NSA06-2153A				86	57.9	11.0	32	0	152
Rod/WB-528				86	60.3	10.6	39	0	154
OR2040726 (Mary)		82	77	83	60.9	11.6	38	0	154
IDO663				82	60.3	10.9	36	0	155
Stephens	80	77	82	80	59.7	11.0	33	0	156
Bitterroot	80	84	92	75	60.7	12.6	36	7	161
AP 700 CL	83	79	83	74	59.5	11.2	37	0	156
Bruneau	83	80	85	70	60.1	11.7	35	10	161
Sunrise (Soft Red)			73	70	59.8	10.6	38	0	159
Lambert	83	78	81	67	60.4	11.1	35	3	157
C.V.	18	16	14	13	0.9	7.4	10	256	1
LSD	8	13	17	25	1.0	1.6	7	16	2
Average	94	96	103	103	60.4	11.0	38	3	159
Highest	109	120	125	139	62.6	12.6	45	23	166
Lowest	80	77	73	67	57.9	9.4	31	0	152

Lamont Soft White Winter Wheat – Preliminary Data

1. Grain yield in the Lamont soft white winter wheat trial averaged 103 bushels/acre, 9 bushels/acre more than the 5-year average. The Lamont nursery was located about six miles southeast of Lamont, WA (G. White, cooperator).
2. This nursery was seeded on 13 September, 2010 following summer fallow. Seed was placed at an 85#/acre seeding rate using a double disc plot drill set on 6-inch spacing. Base fertilizer was 70#N/acre fall applied. Fall seeding conditions were favorable and emergence and stand establishment were good.
3. Yields ranged from 69 to 153 bu/ac. All yield values within the 10% LSD range of the highest yield are shown in bold. Cara was the highest yielding entry in the trial, and 16 of the 60 entries in the trial were within the top LSD range. Xerpha was the top yielding entry across five years of results at this location. Stripe rust potential was high at this location and fungicide was applied two times on 4 May and mid-June. Despite fungicide applications, there was a low level of stripe rust present in the trial on susceptible varieties and influenced yield an estimated 10% or more for susceptible varieties. The Lattice design was 358% efficient compared to an RCBD.
4. Test weights were good with an average of 60.4 lb/bu, and ranged from 57.9 to 62.6 lb/bu. Grain protein averaged 11.0% with a range of 9.4 to 12.6%. Plant height averaged 38 inches and there was minor lodging.