

## 2013 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)	2013				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
<b>Bobtail (OR0807P94)</b>			121	<b>86</b>	53.6	10.1	33	154
<b>Xerpha</b>	112	110	105	<b>82</b>	55.9	11.6	33	159
<i>ARS97230-6C</i>				<b>82</b>	56.6	11.1	32	157
<i>Coda</i>	100	108	103	78	<b>58.5</b>	12.4	33	156
<b>WA 8170</b>				77	55.8	12.6	34	154
<b>03-29902A</b>				76	55.9	11.5	32	158
<b>WA 8171</b>				75	55.8	12.1	36	154
<i>Bruehl</i>	98	102	101	75	55.4	11.8	34	158
<b>Tubbs 06</b>	101	106	106	74	54.6	12.0	37	153
<b>WA 8143</b>		90	83	74	57.2	11.8	35	156
<b>WA 8153</b>			100	74	56.2	13.2	34	154
<b>WA 8152</b>			96	72	57.1	11.6	36	157
<i>4J071246-1C</i>				71	55.3	12.2	33	159
<b>Otto</b>	95	94	90	70	56.1	13.0	35	161
<b>Eltan</b>	95	90	85	70	56.9	11.5	33	155
<b>OR2071071 (Rosalyn)</b>			103	70	54.0	11.6	30	155
<b>WA 8151</b>			105	70	56.0	10.1	32	155
<b>Skiles</b>	106	108	100	70	55.2	12.8	30	155
<i>ARS-Chrystal</i>		108	95	69	56.0	11.9	34	158
<b>Puma (WA 8134)</b>		106	97	69	56.4	12.5	35	154
<b>99-06202A</b>				68	56.1	12.7	31	156
<b>ORCF-103</b>	97	93	90	68	55.5	12.5	32	156
<i>ARS-Crescent</i>		103	100	68	54.6	11.5	33	161
<b>Eltan/Tubbs 06</b>	95	95	94	68	55.5	12.1	34	155
<b>LWW-04-4009</b>			92	67	57.1	11.6	33	158
<b>WA 8155</b>			80	67	57.6	11.7	33	159
<b>Mary</b>	86	89	92	67	54.9	12.5	31	156
<b>WA 8169</b>				66	53.1	13.3	30	158
<i>ARS010780-3C</i>			97	66	56.0	13.3	32	155
<b>Madsen</b>	91	95	94	65	55.4	13.1	32	154
<b>Masami</b>	101	99	100	65	55.2	12.0	33	158
<b>OR2080924</b>				64	52.1	12.3	31	156
<b>ARS-Selbu (ARS970161-3L)</b>		110	105	64	57.2	13.5	32	160
<b>Kaseberg (OR2071628)</b>		101	97	64	54.3	10.1	30	154
<b>LWW10-1018</b>				61	54.0	13.1	32	159
<i>ARS990077-1C</i>			94	61	57.0	12.4	32	159
<b>ARS010729-1L</b>				61	57.4	12.1	26	156
<b>ARS-Amber</b>		101	96	61	54.3	12.9	31	156
<b>JC1108</b>				60	54.9	12.3	32	155
<i>ARS98X402-1C</i>				60	56.5	12.5	31	157
<i>Cara</i>	110	110	96	59	55.1	10.9	30	155
<b>Trifecta</b>				57	56.5	12.0	29	153
<b>02-10606A</b>				53	55.2	13.1	33	155
<b>WB-528</b>	85	85	80	53	57.2	13.5	30	157
<b>Stephens</b>	84	90	96	53	54.5	12.3	30	153
<i>ARS010746-2C</i>				51	56.5	13.0	28	160
<b>WB-Junction</b>				51	55.4	13.1	31	153

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
C.V. %	11	11	9	10	0.9	6.4	6	2
LSD (.10)	5	6	6	7	0.5	0.8	2	3
Average	97	99	97	67	55.7	12.2	32	156
Highest	112	110	121	86	58.5	13.5	37	161
Lowest	84	85	80	51	52.1	10.1	26	153

### Lamont Soft White Winter Wheat - Preliminary Data

1. Grain yield in the 2013 Lamont soft white winter wheat trial averaged 67 bushels/acre, 30 bushels/acre less than the 5-year average for this location. The Lamont nursery was located about 6 miles southeast of the town of Lamont, WA (Gil White, Cooperator).

2. This nursery was seeded on 13 September, 2012 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 70#N/acre pre-plant applied. Fall seeding conditions were dry and variable and variable stands were established that continued through harvest.

3. Yields ranged from 51 to 86 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold and this included 3 of the 47 entries in this trial. The new OSU variety 'Bobtail' was the highest yielding named entry in the trial, although it shows a low test weight, and 'Xerpha' was highest yielding in the 5-year average at this site. It is also probable that some plants at this site experienced damaging frost. There was a low amount of stripe rust potential at this location and fungicide was applied once with the herbicide application. Due to variation in establishment and low overall yield levels, results from trial should be used in limited support of other data that is more typical of this rainfall zone.

Test weights were low and averaged 55.7 lbs./bu and ranged from 52.1 to 58.5 lbs./bu. Grain protein averaged 12.2% with a range of 10.1 to 13.5%. Plant height averaged 32 inches and there was no lodging