

## 2012 WSU Variety Testing Hard Winter Wheat Trial, Lamont

Variety Name <i>*Hard White 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 (%)
<i>OR2080236H</i>				<b>136</b>	61.9	11.5	40	0
<b>Azimut</b>			116	<b>129</b>	58.6	11.2	33	0
<b>Altigo</b>			102	<b>128</b>	59.8	11.0	34	0
<i>OR2080227H</i>				<b>127</b>	61.3	10.5	38	3
<i>OR2080229H</i>		101		<b>123</b>	<b>63.3</b>	11.2	37	0
<b>Norwest 553</b>	100	112	136	119	62.6	12.3	35	32
<i>OR2080156H</i>		96	111	118	62.4	12.0	39	3
<b>WA 8157</b>				117	59.4	12.7	40	67
<b>WA 8119</b>		125	133	116	58.9	11.2	39	27
<b>Eddy</b>	91	96	109	115	<b>63.9</b>	12.2	38	0
<b>WA 8156</b>				114	61.7	12.1	43	65
<b>Boundary</b>	103	109	108	108	61.8	11.2	37	10
<i>WA 8159</i>				107	59.5	11.6	42	17
<i>UI Silver</i>		110	111	107	<b>63.1</b>	11.5	40	90
<b>WA 8118</b>		98	102	105	62.2	12.5	42	68
<i>WA 8158</i>				98	60.5	13.0	41	88
<b>IDO816</b>				98	62.1	11.8	40	82
<i>UICF-Grace</i>		90	90	96	61.2	13.1	46	100
<b>Finley</b>	90	93	98	94	<b>63.4</b>	12.2	46	93
<b>Farnum</b>	85	88	94	89	60.1	12.1	45	97
<b>Eltan</b>	86	89	94	88	58.3	11.4	38	72
<i>MDM</i>	96	96	100	85	59.2	11.2	40	90
<b>Bauermeister</b>	88	91	95	84	58.8	11.5	41	98
<b>UI SRG</b>			98	81	62.0	12.4	42	65
<b>C.V. %</b>	12	14	13	11	1.2	6.6	6	45
<b>LSD (.10)</b>	6	9	11	13	0.8	0.8	3	23
<b>Average</b>	92	100	106	108	61.1	11.8	40	49
<b>Highest</b>	103	125	136	136	63.9	13.1	46	100
<b>Lowest</b>	85	88	90	81	58.3	10.5	33	0

### Lamont Hard Winter Wheat

1. Grain yield in the 2012 Lamont hard winter wheat trial averaged 108 bushels/acre, 16 bushels/acre higher than the 5-year average. The Lamont nursery was located about five 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-opener plot drill set on 9-inch spacing. Base fertilizer was 80#N/acre applied pre-plant. Based on a spring soil test showing 361 lbs/acre available N, no additional fertilizer was applied for hard wheat protein based on expected yields. Fall seeding conditions were good as were emergence and stand establishment.
3. Yields ranged from 81 bu/a to 136 bu/a. 'Azimut' was the highest yielding named entry in this trial. All yield values within the 10% LSD range of the highest yield are shown in bold and this included 5 of the 24 entries. 'Boundary' was the top yielding hard entry across five years of results at this location. Stripe rust potential at this location was low and fungicide was applied with the herbicide application.
4. Test weights were good averaging 61.1 lbs/bu and ranged from 58.3 to 63.9 lbs/bu. Grain protein averaged only 11.8% with a range of 10.5 to 13.1%. Plant height averaged 40 inches. Lodging averaged 49% and ranged from 0% to 100% and high lodging by some varieties contributed to lower test weights and yield.