

# 2012 WSU Variety Testing Hard Winter Wheat Trial Summary

## Precipitation Zone 12-16"

Variety Name	Yield (Bu/A)			Test Wt (Lbs/Bu)			Protein (%)		
	Almira	Lamont	Average	Almira	Lamont	Average	Almira	Lamont	Average
<b>Hard Red Winter</b>									
Norwest 553	138	119	<b>129</b>	62.6	62.6	62.6	11.4	12.3	11.9
Azimut	128	129	<b>129</b>	58.9	58.6	58.8	10.3	11.2	10.8
Altigo	122	128	<b>125</b>	59.7	59.8	59.7	10.1	11.0	10.6
WA 8157	129	117	<b>123</b>	61.0	59.4	60.2	9.9	12.7	11.3
WA 8156	129	114	<b>121</b>	62.2	61.7	61.9	10.5	12.1	11.3
WA 8119	124	116	120	60.7	58.9	59.8	10.0	11.2	10.6
Eddy	112	115	113	63.2	63.9	<b>63.5</b>	10.5	12.2	11.4
Boundary	119	108	113	62.1	61.8	62.0	11.7	11.2	11.4
Bauermeister	125	84	104	60.9	58.8	59.9	11.1	11.5	11.3
IDO816	106	98	102	61.5	62.1	61.8	11.2	11.8	11.5
WA 8118	91	105	98	62.2	62.2	62.2	11.0	12.5	11.8
Farnum	97	89	93	61.3	60.1	60.7	11.4	12.1	11.7
Finley	91	94	93	62.3	63.4	<b>62.9</b>	11.9	12.2	12.0
UI SRG	96	81	89	61.7	62.0	61.9	11.2	12.4	11.8
<b>Hard White Winter</b>									
OR2080236H	121	136	<b>129</b>	61.8	61.9	61.9	10.5	11.5	11.0
OR2080227H	118	127	<b>123</b>	63.0	61.3	62.1	10.5	10.5	10.5
OR2080229H	111	123	117	63.3	63.3	<b>63.3</b>	10.8	11.2	11.0
WA 8159	117	107	112	60.3	59.5	59.9	11.2	11.6	11.4
UI Silver	115	106	111	63.5	63.1	<b>63.3</b>	10.7	11.5	11.1
OR2080156H	103	118	111	62.5	62.4	62.4	11.7	12.0	11.9
MDM	134	85	109	60.3	59.2	59.7	10.6	11.2	10.9
WA 8158	101	98	99	62.5	60.5	61.5	11.7	13.0	<b>12.4</b>
UICF-Grace	81	96	89	60.9	61.2	61.0	12.6	13.1	<b>12.9</b>
<b>Soft White Winter</b>									
Eltan	123	88	106	60.7	58.3	59.5	10.3	11.4	10.9
<b>C.V. %</b>	8	11	10	1.3	1.2	1.3	7.5	6.6	7.0
<b>LSD (0.10)</b>	10	13	8	0.9	0.8	0.6	0.9	0.8	0.6
<b>Average</b>	114	108	111	61.6	61.1	61.4	10.9	11.8	11.4
<b>Highest</b>	138	136	129	63.5	63.9	63.5	12.6	13.1	12.9
<b>Lowest</b>	81	81	89	58.9	58.3	58.8	9.9	10.5	10.5

2012 WSU Hard Winter Wheat Trial Summary  
Precipitation Zone 12"-16" – Preliminary Data

1. Hard red and white winter wheat grain yield across two locations and 24 entries in the 12"-16" precipitation zone averaged 111 bushels/acre, 14 bushels/acre higher than the 2011 average of 97 bushels/acre and 21 bushels/acre higher than the 2010 average of 90 bushels/acre. The CV for the average data was 10 and was lower than the 2011 CV value. In general the 2012 trials had good fall establishment.
2. Yields among entries averaged across locations ranged from 89 to 129 bushels/acre and reflected a mostly average growing season. 'Norwest 553' 'Azimut' and 'Altigo' were the highest yielding named varieties averaged across locations and were the named varieties in the top 10% LSD range (8 bushels/acre) of the highest yield and are shown in bold. Stripe rust levels were low and effectively controlled with fungicide application.
3. Test weight averaged 61.4 lbs./bu across locations and entries and was higher than last year's 60.1 lbs./bu average. Grain protein averaged 11.4% and was lower than the 2011 value of 12.2%.