

## 2012 WSU Variety Testing Barley Trial, Almira

Variety Name <i>*Hulless Italicized</i>	5 Year Average (Lbs/A)	3 Year Average (Lbs/A)	2 Year Average (Lbs/A)	2012			
				Yield (Lbs/A)	Test Wt (Lbs/Bu)	Protein (%)	Plant Ht.
Champion	4330	4630	4530	<b>3800</b>	<b>48.0</b>	15.8	41
<b>08WA-107.8</b>				<b>3710</b>	<b>46.7</b>	15.5	40
Lenetah	4400	4660	4550	<b>3510</b>	45.5	18.6	38
<b>2004NZ163</b>	4070	4290	4090	3260	43.7	19.1	29
<b>07WA-601.6</b>			4560	3230	42.5	18.7	39
<b>06WA-412.4</b>		4020		3220	44.3	18.2	35
<b>08WA-118.12</b>				3150	43.3	19.6	39
<b>X05013-T267</b>				3140	43.2	20.1	33
<b>08WA-140.11</b>				3120	42.9	19.7	41
<b>07WA-682.1</b>			4150	3090	43.7	19.4	40
Baronesse	3950	4120	4000	3070	42.8	17.8	38
<b>LSC LN09-0920</b>				3050	41.9	19.8	32
<b>08WA-109.17</b>				3040	43.8	17.7	39
<b>2004NZ170</b>			4200	3040	40.3	19.6	31
<b>2004NZ151</b>	3940	4200	4280	2980	40.9	17.8	36
<i>Meresse</i>	3250	3560	3380	2970	<b>47.9</b>	20.7	37
<b>05WA-316.K</b>		4150	4250	2970	42.1	18.1	36
Bob	4120	4290	4240	2810	43.9	20.2	41
Bentley		3910	3870	2790	40.7	21.3	43
<b>08WA-137.6</b>				2620	41.3	19.7	41
<b>07WA-614.4</b>			3840	2590	40.1	20.7	38
<b>05WA-316.99</b>		4590	4310	2580	39.4	17.4	41
<b>2Ab04-X01084-27</b>			3870	2550	39.6	20.7	37
Harrington	3640	3860	3600	2470	40.1	20.5	38
<i>X05056-T211</i>				2410	42.8	21.6	38
Radiant	3900	4020	3690	2380	43.3	19.3	38
CDC Meredith		3590	3770	2350	39.3	19.8	38
CDC Copeland	3340	3650	3590	2250	40.4	21.9	42
<i>2Ab09-X06F058HL-23</i>				2050	<b>46.9</b>	21.6	38
<i>09WA-265.14</i>				2030	44.2	21.0	40
<b>C.V. %</b>	10	11	11	13	4.2	10.0	4
<b>LSD (.10)</b>	190	260	300	380	1.9	2.1	2
<b>Average</b>	3890	4100	4040	2870	42.9	19.4	38
<b>Highest</b>	4400	4660	4560	3800	48.0	21.9	43
<b>Lowest</b>	3250	3560	3380	2030	39.3	15.5	29

## Almira Spring Barley – Preliminary Data

1. Grain yield in the Almira spring barley trial averaged 2870 lbs/acre, 1020 lbs/acre lower than the 5-year average at this location. The Almira nursery was located about seven miles north of Almira, WA (D. Mckay, cooperator).
2. This nursery was seeded on 24 April, 2012 following winter wheat. Seed was placed at a 90 lbs/acre seeding rate using a plot drill equipped with double-disc openers set on 6-inch spacing. Base applied fertilizer was 75 lbs N/acre and a soil test showed 307 lbs N/acre available. Spring seeding and establishment conditions were favorable.
3. Yields ranged from 2030 lbs/acre to 3800 lbs/acre. Yield values within the LSD range of the highest yield are shown in bold and 3 of the 30 entries are in this top group. 'Champion' was the highest yielding named variety and 'Lenetah' was the highest yielding over 5 years at this location. All entries were 2-row and hulless entries are listed in italics.
4. Test weights were very low reflecting poor grain filling with an average of 42.9 lbs/bu and ranged from 39.3 to 48.0 lbs/bu. Grain protein was very high and averaged 19.4% also due to poor grain filling and high residual N at this site. Average plant height was 38 inches.