

## 2012 WSU Variety Testing Barley Trial, St. John

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.	Head Date
<b>2004NZ170</b>			5090	<b>4590</b>	53.9	8.9	28	176
<b>05WA-316.99</b>		5000	5380	<b>4580</b>	54.0	9.1	33	174
<i>Lenetah</i>	5120	5130	5340	<b>4500</b>	55.4	9.3	33	173
<b>2004NZ151</b>	4460	4680	4910	<b>4490</b>	54.2	8.9	30	177
<i>Baronesse</i>	4860	4890	5240	<b>4470</b>	54.8	9.0	32	175
<b>08WA-137.6</b>				<b>4460</b>	54.5	8.8	31	174
<b>2004NZ163</b>	4950	4890	5330	<b>4440</b>	54.7	9.2	29	175
<b>05WA-316.K</b>		5060	5340	<b>4420</b>	54.4	9.4	32	171
<b>08WA-109.17</b>				<b>4400</b>	54.6	8.9	34	174
<i>Radiant</i>	4700	4500	4620	<b>4280</b>	53.7	9.1	33	174
<i>CDC Copeland</i>	4650	4590	4930	<b>4230</b>	53.3	8.9	38	175
<i>CDC Meredith</i>		4540	4870	<b>4210</b>	53.7	8.9	35	176
<b>LSC LN09-0920</b>				<b>4200</b>	53.5	8.9	28	176
<b>07WA-682.1</b>			5300	4190	55.1	8.5	34	175
<b>08WA-140.11</b>				4190	55.0	8.7	33	173
<b>06WA-412.4</b>		4340		4190	55.0	9.5	31	175
<b>2Ab04-X01084-27</b>			4730	4170	53.3	9.0	31	173
<i>Champion</i>	5060	4920	5380	4160	55.8	9.0	32	172
<b>08WA-107.8</b>				4060	54.7	8.9	33	173
<i>Harrington</i>	4510	4540	4850	4040	54.0	9.7	35	174
<i>Bentley</i>		4500	4830	3980	53.4	9.5	36	172
<b>08WA-118.12</b>				3980	54.4	9.1	32	174
<b>07WA-614.4</b>			4730	3950	53.1	8.7	33	175
<b>Bob</b>	4690	4450	4490	3930	55.3	10.5	33	172
<b>07WA-601.6</b>			5030	3870	54.1	9.2	33	173
<i>X05056-T211</i>				3590	61.2	11.6	33	171
<i>09WA-265.14</i>				3450	<b>62.9</b>	10.3	33	175
<i>Meresse</i>	3440	3630	3660	3350	60.6	12.0	31	172
<b>X05013-T267</b>				3260	53.4	11.3	30	172
<i>2Ab09-X06F058HL-23</i>				3170	58.1	11.7	35	177
<b>C.V. %</b>	10	10	11	9	1.2	6.5	5	<b>1</b>
<b>LSD (.10)</b>	210	270	370	390	0.7	0.7	2	<b>1</b>
<b>Average</b>	4640	4640	4950	4090	55.1	9.5	32	174
<b>Highest</b>	5120	5130	5380	4590	62.9	12.0	38	177
<b>Lowest</b>	3440	3630	3660	3170	53.1	8.5	28	171

## St. John Spring Barley – Preliminary Data

1. Grain yield in the St. John spring barley trial averaged 4090 lbs/acre, 550 lbs/acre lower than the 5-year average at this location. The St. John nursery was located about three miles east of St. John, WA (Mac Mills, cooperator).
2. This nursery was seeded on 13 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 80 lbs N/acre and a soil test showed 99 lbs N/acre available. Spring seeding and establishment conditions were favorable.
3. Yields ranged from 3170 lbs/acre to 4590 lbs/acre. Yield values within the LSD range of the highest yield are shown in bold and 13 of the 30 entries are in this top group. 'Lenetah' was the highest yielding named variety and was also 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 good with an average of 55.1 lbs/bu and ranged from 53.1 to 62.9 lbs/bu with the highest values produced by hulless cultivars. Grain protein averaged 9.5% and average plant height was 32 inches.