

## 2012 WSU Variety Testing Barley Trial, Lamont

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 (%)	Plump (%)	Plant Ht.	Head Date
Radiant	--	5400	4760	<b>3910</b>	50.9	13.1	89	27	176
<i>08WA-137.6</i>	--			<b>3780</b>	49.4	14.7	91	26	177
<i>05WA-316.K</i>	--	5220	4760	<b>3760</b>	49.5	14.1	94	27	176
<i>07WA-601.6</i>	--		4780	<b>3710</b>	49.9	14.0	92	27	177
Champion	--	5230	4590	3550	51.1	13.9	91	29	176
Lenetah	--	5100	4530	3540	51.5	12.8	93	28	177
<i>2004NZ151</i>	--	5140	4720	3500	51.4	14.0	94	27	177
<i>08WA-140.11</i>	--			3490	50.8	13.9	92	28	175
<i>2Ab04-X01084-27</i>	--		4410	3420	49.2	13.7	93	26	177
<i>08WA-107.8</i>	--			3420	50.8	13.7	94	31	176
CDC Copeland	--	5040	4340	3380	50.1	14.2	92	34	179
<i>2004NZ170</i>	--		4550	3370	50.8	14.9	90	26	177
<i>07WA-682.1</i>	--		4600	3300	50.7	13.7	92	29	179
<i>2004NZ163</i>	--	5020	4430	3220	51.6	14.2	92	23	178
Baronesse	--	5030	4440	3190	48.9	14.7	93	26	177
Bentley	--	4660	4220	3160	50.2	14.6	94	29	176
<i>08WA-109.17</i>	--			3120	49.1	13.6	92	28	176
<i>08WA-118.12</i>	--			3100	48.5	14.7	89	28	177
CDC Meredith	--	4890	4480	3090	49.9	14.4	92	27	178
<i>07WA-614.4</i>	--		4360	3050	48.7	14.5	92	27	178
<i>05WA-316.99</i>	--	5220	4310	3030	49.8	14.2	93	27	176
Bob	--	4790	4160	3000	50.3	14.9	89	26	176
LSC LN09-0920	--			2900	50.4	13.6	92	24	178
<i>06WA-412.4</i>	--	4560		2710	47.9	15.2	89	25	177
<i>X05013-T267</i>	--			2670	50.5	15.3	92	26	176
Harrington	--	4610	3830	2600	50.4	14.9	92	28	179
<i>X05056-T211</i>	--			2580	55.7	16.6	72	28	175
<i>09WA-265.14</i>	--			2320	<b>59.7</b>	15.9	64	28	178
<i>Meresse</i>	--	3590	3070	2200	56.2	17.4	66	27	177
<i>2Ab09-X06F058HL-23</i>	--			1690	52.9	19.7	70	29	181
C.V. %	--	7	7	11	1.9	7.1	3	9	1
LSD (.10)	--	200	220	350	1.0	1.1	3	3	1
Average	--	4900	4390	3120	50.9	14.6	89	27	177
Highest	--	5400	4780	3910	59.7	19.7	94	34	181
Lowest	--	3590	3070	1690	47.9	12.8	64	23	175

### Lamont Spring Barley

1. Grain yield in the Lamont spring barley trial averaged 3120 lbs/acre, 1780 lbs/acre less than the 3 year average at this location. The Lamont trial was located about five miles southeast Lamont, WA (G. White, cooperator).
2. This nursery was seeded on 19 April, 2012 following winter wheat. Seed was placed at 80 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 174 lbs N/acre available. Spring seeding and establishment conditions were favorable.
3. Yields ranged from 1690 lbs/acre to 3910 lbs/acre. Yield values within the LSD range of the highest yield are shown in bold and 4 of the 30 entries are in this top group. 'Radiant' was the highest yielding named variety and was also the highest yielding over 3 years at this location. All entries were 2-row and hulless entries are listed in italics.
4. Test weights averaged 50.9 lbs/bu and ranged from 47.9 to 59.7 lbs/bu with the highest values produced by hulless cultivars. Grain protein was very high and averaged 14.6%. Average plant height was 27 inches with no lodging.