

## 2012 WSU Variety Testing Barley Trial, Walla Walla

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
LSC LN09-0920				6090	54.2	10.9	32	170
Lenetah	5190	5390	5240	5830	55.4	12.2	36	168
2004NZ170			4990	5800	52.9	10.9	32	171
Champion	5140	5260	5200	5780	55.1	12.0	37	168
2004NZ151	4810	5610	5360	5740	53.0	11.3	33	170
06WA-412.4		6370		5720	54.5	11.8	33	168
08WA-118.12				5710	55.2	11.7	35	169
2004NZ163	4650	5280	4920	5680	54.2	11.4	30	171
CDC Copeland	4990	5000	4880	5650	51.8	11.5	42	171
08WA-140.11				5560	54.7	13.1	35	168
07WA-682.1			4850	5550	54.5	11.9	38	170
08WA-109.17				5510	52.9	12.2	38	168
05WA-316.K		4960	4990	5430	53.6	12.0	34	167
07WA-614.4			4990	5400	52.5	12.2	38	171
05WA-316.99		4880	4700	5390	53.0	12.3	37	169
08WA-107.8				5320	52.4	12.6	36	167
CDC Meredith		4390	4210	5270	52.0	12.8	36	170
08WA-137.6				5270	53.4	12.8	36	169
Radiant	4800	4780	4700	5240	54.1	11.3	36	169
07WA-601.6			4700	5230	54.3	11.9	36	168
Baronesse	4850	5150	4610	5060	54.2	11.9	36	168
Bob	4790	4780	4540	5050	54.7	12.7	36	168
Harrington	4540	4860	4690	5040	52.2	12.9	38	171
X05013-T267				5010	52.6	14.0	32	169
2Ab04-X01084-27			4390	4920	51.2	13.1	35	168
<i>09WA-265.14</i>				4900	62.4	13.2	38	169
Bentley		4190	4100	4890	53.0	12.3	40	168
<i>Meresse</i>	4190	4650	4250	4870	61.7	14.7	32	167
<i>X05056-T211</i>				4430	58.4	14.7	35	169
<i>2Ab09-X06F058HL-23</i>				3840	57.9	13.6	39	173
C.V. %	10	11	11	6	1.7	6.9	4	0
LSD (.10)	230	330	380	350	1.0	0.9	2	0
Average	4800	5040	4750	5310	54.4	12.4	36	169
Highest	5190	6370	5360	6090	62.4	14.7	42	173
Lowest	4190	4190	4100	3840	51.2	10.9	30	167

## Walla Walla Spring Barley – Preliminary Data

1. Grain yield in the Walla Walla spring barley trial averaged 5310 lbs/acre, 510 lbs/acre higher than the 5 year average at this location. The Walla Walla trial was located about 8 miles northeast of Walla Walla, WA (G. Smith, cooperator).
2. This nursery was seeded on 22 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 120 lbs N/acre and a soil test showed 106 lbs N/acre available. Spring seeding and establishment conditions were favorable.
3. Yields ranged from 3840 lbs/acre to 6090 lbs/acre. Yield values within the LSD range of the highest yield are shown in bold and 5 of the 30 entries are in this top group. 'Lenetah' was the highest yielding named variety and 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 averaged 54.4 lbs/bu and ranged from 51.2 to 62.4 lbs/bu with the highest values produced by hulless cultivars. Grain protein was high averaging 12.4% and plant height averaged 36 inches.