

## 2014 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)	2014					
				Yield (Lbs/A)	Test Wt (Lbs/Bu)	Protein (%)	Plant Ht	Head Date	Plump (%)
<b>10WA-106.18</b>				<b>5090</b>	51.5	10.9	27	173	80
CDC Copeland	4900	4980	5350	<b>4990</b>	50.0	11.5	33	173	90
<b>2Ab07-X031098-31</b>			4870	<b>4960</b>	50.3	12.6	30	173	90
<b>10WA-113.16</b>				<b>4880</b>	51.1	11.3	23	174	89
CDC Meredith	4630	4580	4770	<b>4830</b>	49.1	11.6	28	174	91
Champion	4960	4740	5030	<b>4820</b>	52.1	11.0	29	173	82
<b>09WA-203.36</b>				<b>4770</b>	51.0	11.7	26	175	85
LCS-Odyssey				<b>4760</b>	50.5	11.6	24	177	95
<b>09WA-203.24</b>			5120	4720	51.2	12.3	24	174	89
<b>10WA-113.12</b>				4720	51.1	11.0	24	175	94
<b>09WA-203.21</b>				4650	50.6	12.4	26	175	85
<b>2Ab07-X04M219-46</b>				4630	47.2	11.0	29	176	86
Muir (07WA-601.6)		4560	4910	4630	50.8	12.1	26	175	91
Lyon (05WA-316.K)	5020	4780	4960	4620	50.6	12.7	24	175	90
LCS-Genie				4610	50.6	11.9	22	175	92
<b>09WA-228.13</b>			4910	4590	52.1	11.2	26	175	85
Lenetah	4970	4650	4720	4560	51.1	11.1	27	175	86
Baronesse	4890	4750	4890	4510	50.9	12.0	25	174	90
LCS-Overture			4920	4480	49.7	11.8	23	177	91
<b>10WA-105.33</b>				4450	50.2	12.6	23	175	91
LCS-Vespa (LCS LN09-0920)		4700	4960	4400	50.1	11.9	24	177	91
<b>RWA 1758</b>				4360	51.2	11.7	24	176	90
Bob	4510	4370	4600	4330	51.8	11.8	28	175	90
<b>2AB09X06F084-51</b>				4330	48.6	13.0	26	175	87
<b>X06G03-T148</b>				4230	52.4	12.4	27	174	81
LCS-Lamari				4210	50.9	12.3	22	175	81
<b>2Ab04-X01084-27</b>		4540	4730	4170	48.0	12.1	25	176	87
Salute				3950	50.3	12.9	25	175	94
Harrington	4410	4150	4200	3800	50.0	12.3	26	175	88
AC Metcalfe			4400	3760	50.9	13.4	28	174	92
<b>2Ab09-X06F058HL-31</b>				3740	52.5	14.4	24	175	85
<i>X05013-T1</i>			3990	3600	56.4	14.1	28	175	78
<b>2008NZ013</b>			3990	3580	48.9	13.6	28	173	90
<i>09WA-265.12</i>				3560	<b>58.8</b>	12.7	28	174	73
<i>X0626-T229</i>				3550	55.3	14.9	24	175	74
<b>2008NZ006</b>				3510	48.3	13.5	28	173	88
<i>09WA-265.5</i>			4040	3470	<b>58.3</b>	13.9	27	175	69
<i>X06G07-T43</i>			3680	3380	51.1	14.0	21	177	78
<b>2008NZ004</b>			3800	3330	48.7	13.9	30	175	88
Tradition			3700	3320	49.7	13.1	28	173	88
<i>Meresse</i>	3560	3410	3450	3260	52.9	14.2	24	176	76
<i>X07G30-T131</i>				3050	53.7	14.8	28	175	78
<b>C.V. %</b>	9	9	9	8	1.6	6.4	6	0	4
<b>LSD (.10)</b>	200	230	280	340	0.9	0.8	2	0	4
<b>Average</b>	4650	4520	4520	4220	51.2	12.5	26	175	86
<b>Highest</b>	5020	4980	5350	5090	58.8	14.9	33	177	95
<b>Lowest</b>	3560	3410	3450	3050	47.2	10.9	21	173	69

### St. John Spring Barley

1. Grain yield in the 2014 St. John spring barley trial averaged 4220 lbs/acre, lower than the 5 year average at this location. The St. John nursery was located about four miles east of St. John, WA (J. Gisselberg, cooperator).
2. This nursery was seeded on 14 April, 2014 following winter wheat. Seed was placed at a 90#/acre seeding rate using a plot drill set on 7-inch spacing. Base applied fertilizer was 80#N/acre. Spring seeding and establishment conditions were favorable followed by low available soil moisture.
3. Yields ranged from 3050 lbs/acre to 5090 lbs/acre. Yield values within the LSD range of the highest yield are shown in bold and 8 of the 42 entries are in this top group. 'CDC Copeland' was the highest yielding named variety and 'Lyon' was the highest yielding over 5 years at this location. Hulless entries are listed in italics.
4. Test weights averaged 51.2 lbs/bu and ranged from 47.2 to 58.8 lbs/bu with the highest values produced by hulless cultivars. Plump grain averaged 86% and ranged from 69% to 95%. Plant height averaged 26 inches. Lodging was not a factor.