

## 2014 WSU Variety Testing Barley Trial Summary

### Precipitation Zone 16-20"

Variety Name	Dayton	St. John	Average	Dayton	St. John	Average	Dayton	St. John	Average
	Yield (Lbs/A)			Test Wt (Lbs/Bu)			Protein (%)		
<b>10WA-106.18</b>	3710	5090	<b>4400</b>	53.3	51.5	52.4	12.1	10.9	11.5
<b>Champion</b>	3750	4820	<b>4290</b>	54.0	52.1	53.1	12.6	11.0	11.8
<b>09WA-203.36</b>	3720	4770	<b>4250</b>	51.9	51.0	51.5	12.0	11.7	11.9
<b>09WA-203.21</b>	3830	4650	<b>4240</b>	52.4	50.6	51.5	12.2	12.4	12.3
<b>Lenetah</b>	3620	4560	4090	53.2	51.1	52.2	12.4	11.1	11.7
<b>CDC Copeland</b>	3170	4990	4080	49.7	50.0	49.9	12.9	11.5	12.2
<b>2Ab07-X031098-31</b>	3160	4960	4060	50.3	50.3	50.3	13.7	12.6	13.2
<b>CDC Meredith</b>	3250	4830	4040	50.4	49.1	49.8	12.7	11.6	12.1
<b>LCS-Odyssey</b>	3300	4760	4030	52.1	50.5	51.3	12.3	11.6	12.0
<b>10WA-113.12</b>	3330	4720	4030	51.6	51.1	51.3	12.2	11.0	11.6
<b>09WA-203.24</b>	3300	4720	4010	52.0	51.2	51.6	12.7	12.3	12.5
<b>LCS-Vespa (LCS LN09-0920)</b>	3600	4400	4000	51.9	50.1	51.0	12.5	11.9	12.2
<b>Muir (07WA-601.6)</b>	3380	4630	4000	51.2	50.8	51.0	12.9	12.1	12.5
<b>09WA-228.13</b>	3400	4590	4000	53.1	52.1	52.6	12.9	11.2	12.1
<b>10WA-105.33</b>	3480	4450	3970	52.3	50.2	51.2	14.0	12.6	13.3
<b>LCS-Overture</b>	3380	4480	3930	51.8	49.7	50.7	12.5	11.8	12.1
<b>LCS-Genie</b>	3260	4610	3930	52.2	50.6	51.4	12.3	11.9	12.1
<b>RWA 1758</b>	3430	4360	3900	52.1	51.2	51.6	13.0	11.7	12.4
<b>Baronesse</b>	3280	4510	3890	51.0	50.9	51.0	13.2	12.0	12.6
<b>Bob</b>	3440	4330	3890	53.0	51.8	52.4	13.4	11.8	12.6
<b>2Ab07-X04M219-46</b>	3070	4630	3850	45.8	47.2	46.5	14.4	11.0	12.7
<b>10WA-113.16</b>	2790	4880	3830	51.4	51.1	51.2	12.2	11.3	11.8
<b>Lyon (05WA-316.K)</b>	2870	4620	3750	52.2	50.6	51.4	13.3	12.7	13.0
<b>2Ab04-X01084-27</b>	3290	4170	3730	49.7	48.0	48.9	13.5	12.1	12.8
<b>2AB09X06F084-51 <sup>1</sup></b>	3050	4330	3690	49.6	48.6	49.1	14.0	13.0	13.5
<b>X06G03-T148 <sup>1</sup></b>	3030	4230	3630	52.3	52.4	52.4	14.0	12.4	13.2
<b>LCS-Lamari</b>	2900	4210	3560	53.1	50.9	52.0	12.6	12.3	12.5
<b>Salute <sup>1</sup></b>	3130	3950	3540	52.2	50.3	51.3	13.7	12.9	13.3
<b>Harrington</b>	2860	3800	3330	51.2	50.0	50.6	13.6	12.3	13.0
<b>2Ab09-X06F058HL-31 <sup>1</sup></b>	2790	3740	3270	52.3	52.5	52.4	15.1	14.4	<b>14.7</b>
<b>2008NZ006 <sup>2</sup></b>	3000	3510	3260	51.1	48.3	49.7	14.5	13.5	14.0
<b>AC Metcalfe</b>	2650	3760	3210	52.9	50.9	51.9	13.9	13.4	13.6
<b>2008NZ013 <sup>2</sup></b>	2780	3580	3180	50.7	48.9	49.8	14.7	13.6	14.2
<b>09WA-265.12</b>	2750	3560	3160	56.6	58.8	<b>57.7</b>	13.6	12.7	13.2
<b>2008NZ004 <sup>2</sup></b>	2680	3330	3010	51.2	48.7	50.0	14.3	13.9	14.1
<b>Tradition <sup>2</sup></b>	2420	3320	2870	51.6	49.7	50.7	13.2	13.1	13.1
<b><u>Hulless</u></b>									
<b>09WA-265.5 <sup>3</sup></b>	2880	3470	3170	57.8	58.3	<b>58.0</b>	13.4	13.9	13.6
<b>X05013-T1 <sup>3</sup></b>	2660	3600	3130	56.6	56.4	56.5	14.9	14.1	14.5
<b>Meresse <sup>3</sup></b>	2740	3260	3000	54.5	52.9	53.7	15.6	14.2	<b>14.9</b>
<b>X0626-T229 <sup>3</sup></b>	2430	3550	2990	56.5	55.3	55.9	15.5	14.9	<b>15.2</b>
<b>X06G07-T43 <sup>3</sup></b>	2430	3380	2900	48.6	51.1	49.8	15.6	14.0	<b>14.8</b>
<b>X07G30-T131 <sup>3</sup></b>	2530	3050	2790	53.9	53.7	53.8	14.9	14.8	<b>14.9</b>
<b>C.V. %</b>	9	8	8	1.5	1.6	1.6	3.2	6.4	4.9
<b>LSD (0.10)</b>	300	340	220	0.8	0.9	0.6	0.5	0.8	0.5
<b>Average</b>	3110	4220	3660	52.2	51.2	51.7	13.5	12.5	13.0
<b>Highest</b>	3830	5090	4400	57.8	58.8	58.0	15.6	14.9	15.2
<b>Lowest</b>	2420	3050	2790	45.8	47.2	46.5	12.0	10.9	11.5

<sup>1</sup> Covered Waxy, High Beta-Glucan

<sup>2</sup> 6-Row

<sup>3</sup> Hulless, Waxy, High Beta-Glucan

## 2014 WSU Spring Barley Trial Summary

### Precipitation Zone 16-20" – Preliminary Data

1. Hulled and hulless spring barley grain yield across two locations and 42 entries in the 16-20" precipitation zone averaged 3660 lbs/acre, lower than the 2013 average of 4360 lbs/acre. The Reardan and Walla Walla trials were not included due to abnormal conditions, and the Mayview trial was hailed out. The Almira trial was also compromised with abnormal conditions and left only Lamont in the <16" zone and it is summarized as a single location.
2. Yields among entries averaged across locations ranged from 2790 to 4400 lbs/acre. 'Champion' was the highest yielding named entry averaged across locations. Average yield values within the 10% LSD range (220 lbs/acre) of the highest yield are shown in bold and this included four of the 42 entries.
3. Test weight averaged 52.2 lbs/bu across locations and were lower than the 2013 52.6 lbs/bu average. Grain protein in 2014 averaged 13.0%, the same as last year. Plump, date head, plant height, and lodging results can be found on individual final site summaries.