

## 2013 WSU Variety Testing Barley Trial Summary

### Precipitation Zone 16-20"

Variety Name	Dayton	Mayview	St. John	Walla Walla	Average	Dayton	Mayview	St. John	Walla Walla	Average	Dayton	Mayview	St. John	Walla Walla	Average
	Yield (Lbs/A)					Test Wt (Lbs/Bu)					Protein (%)				
	Dayton	Mayview	St. John	Walla Walla	Average	Dayton	Mayview	St. John	Walla Walla	Average	Dayton	Mayview	St. John	Walla Walla	Average
Vespa (LSC LN09-0920)	4340	4290	5520	6740	<b>5220</b>	50.9	51.2	50.9	53.7	51.7	14.0	10.5	12.1	12.2	12.2
Genie	4130	4240	5530	6850	<b>5190</b>	51.4	51.5	51.1	52.8	51.7	13.7	10.3	11.5	12.1	11.9
Overature	4170	4140	5370	6590	<b>5070</b>	51.6	50.5	50.4	52.5	51.2	13.5	9.8	10.3	12.3	11.5
09WA-203.24	4460	4230	5510	5950	<b>5040</b>	52.5	52.0	50.7	54.1	52.3	14.0	10.6	11.7	12.8	12.3
Odyssey	4290	4220	5120	6480	5030	50.5	50.5	49.8	52.0	50.7	13.5	9.7	11.3	12.0	11.6
2004NZ163	3960	4040	5080	6670	4940	52.8	52.5	51.6	52.8	52.5	14.4	11.5	11.2	12.5	12.4
Champion	4700	4230	5240	5430	4900	53.1	52.9	52.3	53.1	52.9	13.6	10.1	10.7	12.5	11.7
Lenetah	4830	4370	4890	5220	4820	52.7	52.0	50.9	52.2	52.0	13.2	10.3	10.7	12.3	11.6
09WA-228.13	4650	3930	5230	5270	4770	52.8	52.6	52.1	52.7	52.6	13.6	10.6	11.9	12.6	12.2
CDC Copeland	3740	3620	5720	5770	4710	50.1	50.3	49.9	50.1	50.1	13.5	9.7	12.0	12.6	12.0
2Ab07-X031098-31	4330	3940	4790	5770	4710	51.5	52.0	50.1	52.4	51.5	14.3	10.4	11.9	13.4	12.5
Muir (07WA-601.6)	4030	4140	5190	5450	4700	51.4	51.9	50.6	51.9	51.4	13.7	11.2	11.8	13.0	12.4
09WA-249.9	4340	3910	5100	5420	4690	51.2	51.5	51.0	53.0	51.7	14.4	10.6	12.2	12.6	12.4
07WA-682.1	4390	4090	4990	5310	4690	52.5	51.7	51.3	51.8	51.8	12.9	10.2	11.4	13.0	11.9
Lyon (05WA-316.K)	4270	4060	5290	4950	4640	51.4	51.7	50.9	51.2	51.3	14.1	10.1	12.3	13.1	12.4
2Ab07-X01084-27	4250	3520	5290	5340	4600	49.4	49.7	49.4	50.1	49.7	14.7	10.8	12.0	13.1	12.7
09WA-203.26	4360	4100	5250	4710	4600	52.6	52.4	52.0	52.5	52.4	14.3	10.2	11.7	12.5	12.2
CDC Meredith	4280	3840	4700	5560	4590	49.8	50.2	49.2	49.5	49.7	13.6	11.0	11.7	12.9	12.3
Bob	4110	3840	4860	5390	4550	52.2	52.5	51.8	51.8	52.1	13.8	10.8	11.4	12.9	12.2
Baronesse	4120	3860	5280	4860	4530	51.0	52.0	51.2	52.0	51.6	14.2	11.2	11.5	13.1	12.5
AC Metcalfe	3700	3720	5030	5260	4430	51.6	52.3	51.2	52.9	52.0	14.9	11.4	12.3	13.6	13.0
2Ab07-X04M219-46	3980	3560	4470	5630	4410	48.8	48.0	46.9	50.5	48.6	14.1	12.0	13.1	13.5	13.2
Harrington	3480	3670	4610	5360	4280	50.5	51.6	51.3	50.2	50.9	14.6	11.2	12.5	13.1	12.9
2008NZ004 <sup>2</sup>	3320	3020	4270	5830	4110	50.8	49.1	48.5	51.1	49.9	14.8	12.2	12.3	12.9	13.0
2008NZ013 <sup>2</sup>	3270	2910	4410	5470	4010	50.6	48.9	48.5	51.9	50.0	14.5	12.9	12.6	13.0	13.2
Tradition <sup>2</sup>	3440	3010	4090	5430	3990	51.0	50.4	49.5	52.3	50.8	14.0	12.2	12.2	12.8	12.8
09WA-231.5	3380	3400	4600	4530	3980	57.4	55.8	54.3	56.1	55.9	15.6	13.7	14.0	15.9	14.8
07MBR1	2670	1850	2600	4830	2990	50.1	50.2	49.6	52.7	50.6	16.4	15.5	15.3	14.2	15.4
<u>Hulless</u>															
X05013-T1 <sup>1</sup>	3130	3250	4380	5370	4030	60.0	56.8	54.8	60.5	58.0	16.0	13.9	13.5	14.7	14.6
X07G19-T270 <sup>1</sup>	3200	3270	4440	5040	3990	59.7	59.8	57.5	60.6	<b>59.4</b>	15.6	12.2	11.5	14.1	13.4
09WA-265.5 <sup>1</sup>	3520	3200	4620	4570	3980	60.4	60.3	56.3	59.8	<b>59.2</b>	14.2	11.5	11.9	13.6	12.8
X06G07-T43 <sup>1</sup>	3120	3050	3990	4600	3690	54.4	51.4	51.0	50.2	51.8	16.5	12.3	13.7	14.5	14.3
Meresse <sup>1</sup>	3070	3070	3640	4070	3460	58.0	56.9	54.3	59.3	57.1	16.3	14.2	14.4	15.5	15.1
2Ab09-X06F052HL-28 <sup>1</sup>	2970	2630	3790	3630	3260	58.7	55.9	52.3	55.1	55.5	17.6	15.2	16.0	16.7	<b>16.4</b>
2Ab09-X06F087HL-170 <sup>1</sup>	2680	2470	3580	3660	3100	59.1	58.2	54.8	59.5	57.9	17.2	14.7	14.5	16.2	15.7
2Ab09-X06F058HL-182 <sup>1</sup>	2730	2460	3600	3550	3080	57.8	55.8	53.5	57.4	56.1	17.9	14.4	14.5	16.1	15.7
<b>C.V. %</b>	6	5	9	8	8	0.9	1.1	1.9	1.9	1.5	4.3	4.2	8.0	3.0	5.1
<b>LSD (0.10)</b>	240	170	460	460	180	0.5	0.6	1.1	1.1	0.4	0.7	0.5	1.0	0.4	0.4
<b>Average</b>	3820	3590	4720	5290	4360	53.1	52.6	51.4	53.4	52.6	14.6	11.6	12.4	13.4	13.0
<b>Highest</b>	4830	4370	5720	6850	5220	60.4	60.3	57.5	60.6	59.4	17.9	15.5	16.0	16.7	16.4
<b>Lowest</b>	2670	1850	2600	3550	2990	48.8	48.0	46.9	49.5	48.6	12.9	9.7	10.3	12.0	11.5

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

<sup>2</sup> 6-Row

## 2013 WSU Spring Barley Trial Summary Precipitation Zone 16-20" – Preliminary Data

1. Hulled and hulless spring barley grain yield across four locations and 36 entries in the 16-20" precipitation zone averaged 4360 lbs/acre, higher than the 2012 average of 3900 lbs/acre. The Reardan trial was not included.
2. Yields among entries averaged across locations ranged from 2990 to 5220 lbs/acre. 'Vespa' was the highest yielding named entry averaged across locations. Average yield values within the 10% LSD range (180 lbs/acre) of the highest yield are shown in bold and this included 4 of the 36 entries.
3. Test weight averaged 52.6 lbs/bu across locations and were lower than the 2012 54.4 lbs/bu average. Grain protein in 2013 averaged 13.0% and was higher than last year's 12.1% protein average. Plump, date head, plant height, and lodging results can be found on individual final site summaries.