

## 2013 WSU Variety Testing Barley Trial, Fairfield

Variety Name <i>*Hulless Italicized</i>	5 Year Average (Lbs/A)	3 Year Average (Lbs/A)	2 Year Average (Lbs/A)	2013				
				Yield (Lbs/A)	Test Wt (Lbs/Bu)	Protein (%)	Plump (%)	Plant Ht
CDC Copeland	--	3860	4140	<b>4100</b>	48.9	12.4	95	33
<b>2004NZ163</b>	--	3780	4100	<b>4030</b>	50.8	14.1	94	27
Champion	--	3770	4010	<b>3980</b>	50.8	13.1	95	30
Genie	--			<b>3960</b>	50.8	13.2	96	27
<b>09WA-249.9</b>	--			<b>3960</b>	49.4	12.8	98	30
Baronesse	--	3360	3630	<b>3910</b>	49.8	13.3	95	30
Vespa (LSC LN09-0920)	--		3860	<b>3900</b>	50.4	13.4	95	27
CDC Meredith	--	3850	4070	<b>3880</b>	47.8	12.7	95	31
Lyon (05WA-316.K)	--	3790	3940	<b>3850</b>	50.3	13.2	94	28
<b>07WA-682.1</b>	--	3800	4000	<b>3830</b>	51.0	13.3	96	31
<b>09WA-228.13</b>	--			<b>3810</b>	51.1	12.6	95	32
<b>2008NZ013</b>	--			<b>3790</b>	48.6	13.7	95	35
<b>09WA-203.24</b>	--			<b>3790</b>	51.2	12.1	97	30
Muir (07WA-601.6)	--	3320	3630	<b>3780</b>	50.7	13.1	95	30
Lenetah	--	3710	3890	<b>3780</b>	50.4	13.5	95	29
<b>09WA-203.26</b>	--			<b>3750</b>	50.2	12.9	95	33
Bob	--	3460	3780	3730	51.5	14.0	96	32
<b>2Ab07-X04M219-46</b>	--			3710	49.0	13.5	95	32
<b>2Ab07-X01084-27</b>	--			3650	49.2	12.4	96	29
<b>2Ab07-X031098-31</b>	--			3650	50.5	14.6	96	32
Overature	--			3650	49.4	13.5	97	29
Harrington	--	3490	3690	3600	49.9	13.2	95	30
<b>2008NZ004</b>	--			3510	48.4	14.8	93	32
<i>09WA-265.5</i>	--			3320	<b>58.9</b>	15.0	71	30
Odyssey	--			3310	49.6	14.3	97	27
Tradition	--			3280	49.1	13.9	92	33
AC Metcalfe	--			3220	50.6	13.7	96	34
<i>X06G07-T43</i>	--			2880	55.8	16.5	75	29
<i>X05013-T1</i>	--			2790	<b>58.8</b>	16.1	83	30
<b>09WA-231.5</b>	--			2780	56.1	15.5	86	31
<i>Meresse</i>	--	2390	2730	2720	54.3	16.9	73	29
<i>X07G19-T270</i>	--			2480	57.7	16.4	53	28
<i>2Ab09-X06F058HL-182</i>	--			2120	56.6	17.8	84	30
<i>2Ab09-X06F052HL-28</i>	--			2010	55.2	17.6	90	32
<i>2Ab09-X06F087HL-170</i>	--			1830	55.4	18.4	72	33
<b>07MBR1</b>	--			1730	47.6	17.1	94	27
C.V. %	--	9	9	10	1.2	4.7	4	7
LSD (.10)	--	180	230	350	0.6	0.7	4	2
Average	--	3520	3800	3390	51.6	14.3	91	30
Highest	--	3860	4140	4100	58.9	18.4	98	35
Lowest	--	2390	2730	1730	47.6	12.1	53	27

### Fairfield Spring Barley – Preliminary Data

1. Grain yield in the 2013 Fairfield spring barley trial averaged 3390 lbs/acre, 140 lbs/acre lower than the 5 year average at this location. The Fairfield nursery was located about 4 miles northwest of Fairfield, WA (L. Green, cooperator).
2. This nursery was seeded on 18 April, 2013 following winter wheat. Seed was placed at a 90 lbs/acre seeding rate using a no till plot drill equipped with Cross-Slot openers set on 10-inch spacing. Base applied fertilizer was 114 lbs N/acre. Spring seeding and establishment conditions were favorable.
3. Yields ranged from 1730 lbs/acre to 4100 lbs/acre. Yield values within the LSD range of the highest yield are shown in bold and 16 of the 36 entries are in this top group. 'CDC Copeland' 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 51.6 lbs/bu and ranged from 47.6 to 58.9 lbs/bu with the highest values produced by hulless cultivars. Plant height averaged 30 inches and there was no lodging.