

## 2013 WSU Variety Testing Barley Trial, Pullman

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)	Plant Ht	Head Date	Protein (%)	Plump (%)
Vespa (LSC LN09-0920)			4720	5300	52.9	26	178	9.5	86
09WA-203.24				5230	53.9	30	182	9.8	88
Champion	4920	4850	4580	5150	54.4	32	186	9.2	78
Lyon (05WA-316.K)	4960	4680	4450	5140	53.4	30	182	9.6	82
Muir (07WA-601.6)		4740	4640	5130	54.2	32	178	9.1	89
Overature				5110	52.7	24	181	9.0	85
Bob	4910	4600	4470	5060	54.6	32	180	9.6	88
09WA-228.13				5000	54.5	32	182	9.2	77
Odyssey				4970	52.0	25	183	9.5	86
Baronesse	4800	4520	4350	4950	53.2	32	180	9.8	78
2Ab07-X01084-27				4910	51.5	28	183	9.5	87
Genie				4870	53.5	27	180	9.4	90
09WA-203.26				4820	54.1	31	181	9.7	77
Lenetah	5150	4460	4490	4800	53.9	31	179	9.1	89
CDC Meredith		4750	4600	4770	50.9	30	179	9.2	84
2004NZ163		4530	4200	4740	54.4	26	184	9.9	73
09WA-249.9				4680	51.9	33	183	11.2	83
2Ab07-X031098-31				4670	51.4	34	181	9.8	56
07WA-682.1		4610	4290	4610	54.0	31	182	8.9	86
Harrington	4520	4240	3980	4440	53.9	32	183	9.3	88
AC Metcalfe				4320	53.3	33	720	9.4	84
2008NZ004				4260	51.8	35	182	10.6	76
CDC Copeland	4450	4180	4080	4240	50.4	33	182	9.8	81
2Ab07-X04M219-46				4210	50.4	29	182	9.7	65
<i>X06G07-T43</i>				4060	53.1	25	180	11.2	45
09WA-231.5				4060	58.6	30	180	11.0	73
2008NZ013				4060	52.2	34	183	10.2	83
<i>09WA-265.5</i>				3940	61.2	32	182	10.4	30
<i>X05013-T1</i>				3930	62.0	31	182	11.2	62
<i>Meresse</i>	4080	3650	3470	3890	57.9	30	177	11.6	54
<i>X07G19-T270</i>				3730	59.7	29	183	10.7	21
Tradition				3470	53.0	34	183	10.0	75
<i>2Ab09-X06F052HL-28</i>				3150	58.9	31	179	12.9	89
<i>2Ab09-X06F058HL-182</i>				3060	58.8	31	181	12.6	73
07MBR1				2760	52.6	25	179	12.8	90
<i>2Ab09-X06F087HL-170</i>				2750	60.3	34	180	13.1	65
C.V. %	11	11	11	7	1.5	6	79	4.3	8
LSD (.10)	230	300	340	340	0.9	2	165	0.5	6
Average	4720	4520	4330	4390	54.4	30	196	10.2	75
Highest	5150	4970	4720	5300	62.0	35	720	13.1	90
Lowest	4080	3650	3470	2750	50.4	24	177	8.9	21

### Pullman Spring Barley – Preliminary Data

- 1 Grain yield in the 2013 Pullman spring barley trial averaged 4390 lbs/acre, 330 lbs/acre lower than the 5 year average at this location. The Pullman nursery was located about 2 miles east of Pullman, WA (WSU Spillman Research Farm).
- 2 This nursery was seeded on 26 April, 2013 following winter wheat. Seed was placed at a 90 lbs/acre seeding rate using a plot drill equipped with double disk openers set on 6-inch spacing. Base applied fertilizer was 60 lbs N/acre. Spring seeding and establishment conditions were favorable.
- 3 Yields ranged from 2750 lbs/acre to 5300 lbs/acre. Yield values within the LSD range of the highest yield are shown in bold and 9 of the 36 entries are in this top group. The new variety 'Vespa' was the highest yielding named variety and 'Lenetah' 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 50.4 to 62.0 lbs/bu with the highest values produced by hulless cultivars. Plant height averaged 30 inches, there was no lodging, and plump seed averaged 75%.