

2013 WSU Variety Testing Barley Trial, Walla Walla

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 (%)	Plant Ht	Head Date	Lodging (%)	Plump (%)
Genie				6850	52.8	12.1	29	159	3	96
Vespa (LSC LN09-0920)			6420	6740	53.7	12.2	29	155	0	93
2004NZ163		5510	6180	6670	52.8	12.5	29	161	13	92
Overature				6590	52.5	12.3	32	159	0	96
Odyssey				6480	52.0	12.0	29	156	13	97
09WA-203.24				5950	54.1	12.8	30	157	7	96
2008NZ004				5830	51.1	12.9	36	154	5	94
2Ab07-X031098-31				5770	52.4	13.4	35	159	5	91
CDC Copeland	5550	5170	5710	5770	50.1	12.6	36	159	40	88
2Ab07-X04M219-46				5630	50.5	13.5	33	161	10	90
CDC Meredith		4660	5410	5560	49.5	12.9	31	157	55	90
2008NZ013				5470	51.9	13.0	37	154	0	96
Muir (07WA-601.6)		4950	5340	5450	51.9	13.0	29	151	63	90
Champion	5690	5280	5600	5430	53.1	12.5	33	151	77	94
Tradition				5430	52.3	12.8	37	153	0	96
09WA-249.9				5420	53.0	12.6	36	157	10	96
Bob	5240	4830	5220	5390	51.8	12.9	32	150	88	88
<i>X05013-T1</i>				5370	60.5	14.7	33	157	0	92
Harrington	5230	4910	5200	5360	50.2	13.1	33	157	65	91
2Ab07-X01084-27				5340	50.1	13.1	31	155	52	87
07WA-682.1		5000	5430	5310	51.8	13.0	36	158	68	93
09WA-228.13				5270	52.7	12.6	32	153	53	92
AC Metcalfe				5260	52.9	13.6	37	153	45	95
Lenetah	5680	5230	5520	5220	52.2	12.3	32	156	57	93
<i>X07G19-T270</i>				5040	60.6	14.1	31	158	0	83
Lyon (05WA-316.K)	5330	4980	5190	4950	51.2	13.1	29	151	63	89
Baronesse	5330	4700	4960	4860	52.0	13.1	32	156	60	89
07MBR1				4830	52.7	14.2	31	162	0	97
09WA-203.26				4710	52.5	12.5	32	156	45	92
<i>X06G07-T43</i>				4600	50.2	14.5	26	161	0	88
<i>09WA-265.5</i>				4570	59.8	13.6	34	160	33	83
09WA-231.5				4530	56.1	15.9	32	156	8	92
<i>Meresse</i>	4640	4190	4470	4070	59.3	15.5	32	155	7	80
<i>2Ab09-X06F087HL-170</i>				3660	59.5	16.2	36	156	0	90
<i>2Ab09-X06F052HL-28</i>				3630	55.1	16.7	36	154	10	95
<i>2Ab09-X06F058HL-182</i>				3550	57.4	16.1	37	162	0	96
C.V. %	9	10	7	8	1.9	3.0	5	1	75	4
LSD (.10)	230	300	290	460	1.1	0.4	2	2	21	4
Average	5300	4910	5430	5290	53.4	13.4	33	156	27	92
Highest	5690	5510	6420	6850	60.6	16.7	37	162	88	97
Lowest	4640	4190	4470	3550	49.5	12.0	26	150	0	80

Walla Walla Spring Barley – Preliminary Data

1. Grain yield in the 2013 Walla Walla spring barley trial averaged 5290 lbs/acre, similar to the 5 year average at this location. The Walla Walla nursery was located about ten miles northeast of Walla Walla, WA (G. Smith, cooperator).
2. This nursery was seeded on 26 March, 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 145 lbs N/acre. Spring seeding and establishment conditions were favorable.
3. Yields ranged from 3550 lbs/acre to 6850 lbs/acre. Yield values within the LSD range of the highest yield are shown in bold and 5 of the 36 entries are in this top group. 'Genie' was the highest yielding named variety and 'Champion' was the highest yielding over 5 years at this location. Hulless entries are listed in italics.
4. Test weights averaged 53.4 lbs/bu and ranged from 49.5 to 60.6 lbs/bu with the highest values produced by hulless cultivars. Plant height averaged 33 inches. Lodging was a factor for many entries and averaged 27%, but ranged from 0 to 88%.