

2014 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)	2014					
				Yield (Lbs/A)	Test Wt (Lbs/Bu)	Protein (%)	Plump (%)	Plant Ht	Lodging (%)
LCS-Vespa (LCS LN09-0920)		4720	5000	4700	50.7	13.2	86	49	12
Champion	4850	4610	4910	4670	53.1	12.7	86	43	9
LCS-Odyssey				4650	49.2	12.8	88	33	18
LCS-Genie				4640	51.2	11.7	87	38	15
Bob	4880	4520	4840	4610	52.4	13.4	88	61	3
09WA-228.13			4740	4480	51.9	12.9	76	43	8
RWA 1758				4440	52.9	13.0	87	46	22
09WA-203.21				4270	50.5	12.6	79	39	0
2Ab07-X031098-31			4450	4240	48.9	13.6	75	52	13
Salute				4200	50.0	14.6	93	39	5
09WA-203.24			4710	4200	51.1	13.4	78	54	0
2Ab04-X01084-27		4370	4540	4180	48.2	12.9	83	57	16
Baronesse	4650	4290	4560	4170	49.7	12.8	81	54	0
Muir (07WA-601.6)		4480	4640	4150	50.3	13.4	77	40	8
10WA-113.16				4150	50.7	12.4	81	38	8
2AB09X06F084-51				4140	48.0	14.0	72	55	0
2008NZ006				4130	49.1	14.0	69	48	10
09WA-203.36				4130	50.9	12.1	69	53	5
LCS-Lamari				4130	50.8	12.7	70	53	0
LCS-Overture			4620	4120	47.1	12.6	90	43	6
10WA-106.18				4120	50.7	12.8	70	45	11
<i>X05013-T1</i>			4000	4070	54.5	15.1	61	39	4
10WA-105.33				4060	51.3	13.8	82	43	0
CDC Copeland	4280	4070	4150	4050	49.0	13.4	81	45	0
X06G03-T148				3990	51.9	13.8	80	39	13
Lenetah	4800	4310	4370	3940	51.0	12.6	79	40	25
<i>09WA-265.12</i>				3840	57.3	13.6	47	44	4
Tradition			3640	3820	52.5	13.3	80	48	12
CDC Meredith	4580	4340	4290	3810	49.1	13.0	83	41	8
2008NZ013			3930	3810	50.6	13.6	74	48	16
AC Metcalfe			4060	3800	50.6	14.3	88	59	13
Lyon (05WA-316.K)	4690	4230	4460	3790	50.2	12.4	74	53	10
2Ab07-X04M219-46				3740	43.9	16.2	49	54	20
<i>09WA-265.5</i>			3800	3650	58.3	14.5	39	56	5
Harrington	4210	3840	4000	3570	47.5	15.7	62	43	20
<i>X07G30-T131</i>				3560	57.0	14.5	58	55	6
2008NZ004			3890	3520	50.9	13.4	76	38	10
10WA-113.12				3470	49.6	12.6	88	42	11
<i>X06G07-T43</i>			3750	3440	51.3	14.8	50	36	0
<i>X0626-T229</i>				3380	54.8	15.5	53	54	0
<i>Meresse</i>	4010	3440	3630	3370	55.0	15.9	57	41	5
2Ab09-X06F058HL-31				3310	51.1	15.6	64	40	8
C.V. %	11	10	8	9	3.0	5.6	12	29	144
LSD (.10)	230	260	260	390	1.6	0.8	10	14	13
Average	4550	4270	4300	4010	51.1	13.6	74	46	9
Highest	4880	4720	5000	4700	58.3	16.2	93	61	25
Lowest	4010	3440	3630	3310	43.9	11.7	39	33	0

Pullman Spring Barley

1. Grain yield in the 2014 Pullman spring barley trial averaged 4010 lbs/acre, 540 lbs/acre less than the 5-year average for this location. The Pullman nursery was located the WSU Spillman Farm about two miles southeast of Pullman, WA.
2. This nursery was seeded on 1 May, 2014 following winter wheat. Seed was placed at a 90#/acre seeding rate using a drill set on 6-inch spacing. Base fertilizer was 110#N/acre. Spring seeding conditions and establishment were good.
3. Yields ranged from 3310 lbs/acre to 4700 lbs/acre. Yield values within the LSD range of the highest yield are shown in bold and 7 of the 42 entries are in this top group. 'LCS-Vespa' was the highest yielding variety and the old WSU variety 'Bob' was the highest yielding variety among the entries with 5 years of results. Hulless entries are listed in italics.
4. Test weights averaged 51.1 lbs/bu and ranged from 43.9 to 58.3 lbs/bu with the highest values produced by hulless cultivars. Plump grain averaged 74% and ranged from 39% to 93%. Grain protein averaged 13.6%. Plant height averaged 46 inches. Minor lodging occurred on many entries, but only averaged 9% with a range of 0% to 25%.