

2013 WSU Variety Testing Barley Trial, Almira

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	Plump (%)	Lodging (%)
Lenetah	4610	4550	4030	4550	52.4	11.1	35	96	15
Champion	4420	4510	4130	4460	54.5	11.2	35	96	3
09WA-203.24				4390	52.8	12.3	35	93	0
Muir (07WA-601.6)		4490	3790	4350	52.6	11.7	35	95	17
09WA-203.26				4270	53.4	11.0	36	91	25
Vespa (LSC LN09-0920)			3640	4240	50.6	12.7	29	89	0
Overature				4140	49.9	10.6	30	92	0
09WA-228.13				4110	54.5	10.9	35	96	0
2004NZ163		4090	3680	4100	52.2	12.3	28	73	0
2Ab07-X031098-31				4080	51.4	11.9	37	89	0
Bob	4190	4160	3410	4010	53.8	11.4	34	97	7
07WA-682.1		4100	3550	4010	51.8	12.2	37	90	62
Lyon (05WA-316.K)	4100	4150	3460	3960	51.9	11.7	35	92	37
Baronesse	4080	3980	3510	3960	51.5	13.1	34	87	33
2008NZ013				3920	49.6	12.7	41	85	63
Odyssey				3900	49.5	11.1	29	92	0
Tradition				3840	50.8	12.0	39	90	33
AC Metcalfe				3830	51.6	13.2	39	90	43
2008NZ004				3830	49.5	12.0	39	88	33
09WA-249.9				3830	50.4	13.6	37	88	28
Genie				3790	50.4	11.4	30	90	10
Harrington	3810	3650	3120	3770	52.3	11.6	37	92	32
2Ab07-X01084-27				3730	48.9	13.4	35	85	28
2Ab07-X04M219-46				3730	46.1	14.2	37	65	7
CDC Meredith		3750	3030	3710	49.3	13.1	36	87	55
CDC Copeland	3490	3570	2890	3520	50.1	11.4	40	84	12
<i>X07G19-T270</i>				3420	57.6	12.9	35	67	20
<i>X05013-T1</i>				3370	55.1	14.4	37	71	2
<i>09WA-265.5</i>				3360	59.2	12.3	35	76	32
09WA-231.5				3270	57.3	13.3	35	86	10
<i>Meresse</i>	3320	3310	3080	3190	57.5	14.0	34	84	27
07MBR1				3160	51.9	13.5	29	96	0
<i>X06G07-T43</i>				3160	46.9	13.0	31	65	10
<i>2Ab09-X06F087HL-170</i>				2810	56.7	15.1	39	83	8
<i>2Ab09-X06F052HL-28</i>				2720	53.8	14.7	37	92	43
<i>2Ab09-X06F058HL-182</i>				2640	52.1	15.5	37	72	53
C.V. %	10	10	9	7	2.5	8.4	5	8	111
LSD (.10)	190	220	240	290	1.4	1.1	2	8	24
Average	3990	4050	3490	3750	52.2	12.6	35	86	21
Highest	4610	4550	4130	4550	59.2	15.5	41	97	63
Lowest	3320	3310	2890	2640	46.1	10.6	28	65	0

Almira Spring Barley – Preliminary Data

1. Grain yield in the 2013 Almira spring barley trial averaged 3750 lbs/acre, 240 lbs/acre lower than the 5 year average at this location. The Almira nursery was located about 12 miles northeast of Almira, WA (Dan McKay, cooperator).
2. This nursery was seeded on 17 April, 2013 following winter wheat. Seed was placed at an 80 lbs/acre seeding rate using a plot drill equipped with double-disc openers set on 6-inch spacing. Base applied fertilizer was 65 lbs N/acre and a soil test showed 120 lbs N/acre available. Spring seeding and establishment conditions were favorable.
3. Yields ranged from 2640 lbs/acre to 4550 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. 'Lenetah' 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 52.2 lbs/bu and ranged from 46.1 to 59.2 lbs/bu with the highest values produced by hulless cultivars. Grain protein was high averaging 12.6% and plant height averaged 35 inches and there was some lodging of some of the cultivars.