

2011 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)	2011				
				Yield (Lbs/A)	Test Wt (Lbs/Bu)	Protein (%)	Plump (%)	Plant Ht.
05WA-316.99		5080	5600	6050	54.5	8.6	96	36
07WA-601.6				5900	53.2	12.1	91	36
<i>Bob</i>	4190	4700	5040	5660	55.3	9.8	97	35
<i>Lenetah</i>		4990	5230	5580	54.5	11.4	89	37
2004NZ151			4810	5580	54.9	11.5	88	28
05WA-316.K		4520	4740	5530	53.6	10.9	97	34
<i>Spaulding</i>	4040	4700	4800	5430	55.3	10.8	96	35
04WA-113.22		5160	5560	5410	54.9	9.0	97	32
2004NZ170		4670		5370	54.6	9.7	94	29
07WA-684.17				5330	55.0	10.5	96	32
07WA-677.1				5320	55.8	8.6	90	32
<i>Champion</i>	4160	4620	5050	5260	55.5	10.0	95	37
07WA-682.1				5220	55.2	9.8	94	35
2Ab04-X01084-27				5200	53.6	9.1	97	31
07MB-390			4380	5190	54.9	9.8	97	34
<i>CDC Meredith</i>			4210	5190	52.5	8.6	96	37
<i>Tetonia</i>		4510	4870	5180	55.0	11.2	94	34
07WA-614.4				5100	51.0	12.7	92	34
07WA-649.7				5080	54.8	10.5	98	34
07WA-658.8				5070	55.1	10.3	97	35
WAS 2			4760	5050	55.1	9.9	95	30
2004NZ223		4310		5020	54.8	10.9	96	30
<i>Radiant</i>	3940	4470	4830	4990	54.7	8.5	90	31
<i>Bentley</i>			4470	4950	53.8	9.6	98	40
<i>CDC Copeland</i>		3890	4350	4930	51.9	13.4	92	39
2Ab17271				4930	53.1	11.7	85	36
<i>Newdale</i>				4930	54.6	8.9	97	35
<i>Baronesse</i>	3810	4470	4640	4920	54.2	10.6	92	31
2004NZ163			4810	4920	56.7	10.2	98	27
<i>Clearwater</i>		4090	4350	4910	62.7	11.1	94	34
06WA-458.14			4890	4900	53.3	10.0	78	32
<i>AC Metcalfe</i>	3350	3930	4200	4790	53.3	12.6	97	35
07WA-630.19				4770	55.3	9.9	96	34
<i>Harrington</i>	3710	4280	4560	4730	54.5	12.0	98	35
WAS 4			4330	4270	61.8	11.3	88	32
<i>Meresse</i>	3080	3490	3850	3780	62.6	9.4	80	30
<i>C.V.</i>	17	14	12	9	2.2	19.4	6	7
<i>LSD</i>	190	270	350	480	1.3	2.1	7	3
Average	3780	4460	4710	5120	55.0	10.4	93	34
Highest	4190	5160	5600	6050	62.7	13.4	98	40
Lowest	3080	3490	3850	3780	51.0	8.5	78	27

Almira Spring Barley - Preliminary Data

1. Grain yield in the Almira spring barley trial averaged 5120 pounds/acre and was 1340 pounds/acre higher than the 5-year average. The Almira nursery was located about ten miles north of Almira, WA (Dan McKay, cooperator).
2. This nursery was seeded on 22 April, 2011 following winter wheat. Seed was placed at an 80#/acre seeding rate using a double-disc drill set on 6-inch spacing. Base applied fertilizer was 65#N/acre. Spring seeding and growing conditions were favorable.
3. Yields ranged from 3780 lb/acre to 6050 lb/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. Bob was the highest yielding named variety and Bob was the highest yielding over 5 years at this location. All entries were 2-row and hulless entries are listed in italics. The Lattice design was 173% efficient compared to an RCBD for yield.
4. Test weights were very good with an average of 55.0 lb/bu and ranged from 51.0 to 62.7 lb/bu with the high values produced by hulless cultivars. Grain protein averaged 10.4%, grain plumpness averaged 93%, and the average plant height was 34 inches.