

2011 WSU Variety Testing Barley Trial, Mayview

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.
06WA-458.14			4280	4560	56.0	7.2	94	29
05WA-316.K		4090	4170	4440	55.2	7.5	96	29
07WA-614.4				4300	53.8	8.1	94	30
<i>Baronesse</i>	3920	3690	3630	4270	55.4	6.9	91	29
07WA-677.1				4200	56.0	7.1	89	29
<i>Champion</i>	4450	4280	4180	4150	56.9	7.3	89	30
<i>Lenetah</i>		4160	4170	4090	56.2	7.1	96	29
07WA-601.6				4060	55.7	7.8	95	30
05WA-316.99		3800	3870	4040	54.6	7.3	95	30
2004NZ151			3460	4000	55.9	8.0	91	25
<i>Tetonia</i>		3830	3550	3960	54.4	6.7	87	28
<i>Spaulding</i>	3860	3720	3650	3960	56.3	6.8	92	29
07WA-684.17				3920	55.1	7.2	88	28
04WA-113.22		3790	3820	3920	56.0	6.8	94	28
2Ab17271				3920	53.2	6.9	84	30
07WA-682.1				3900	55.8	6.7	93	31
07WA-649.7				3880	55.0	7.9	95	30
2004NZ170		3890		3800	55.0	7.3	92	24
2004NZ163			3720	3780	55.5	7.2	93	26
07WA-630.19				3670	55.7	6.7	94	30
<i>Radiant</i>	4000	3770	3480	3640	54.5	7.1	76	29
<i>CDC Meredith</i>			3300	3550	53.2	8.1	94	31
<i>CDC Copeland</i>		3220	2760	3550	52.7	7.5	92	32
<i>AC Metcalfe</i>	3390	3350	3270	3530	55.3	8.4	93	30
2Ab04-X01084-27				3510	54.1	7.3	93	28
WAS 2			3930	3510	55.2	7.6	96	26
<i>Bentley</i>			3110	3500	53.9	7.7	93	32
2004NZ223		3700		3500	55.2	8.0	94	25
<i>Newdale</i>				3490	53.6	7.7	93	30
07WA-658.8				3480	55.2	6.5	84	29
<i>Harrington</i>	3680	3550	3270	3470	54.3	7.5	95	29
07MB-390			3240	3470	54.4	7.6	93	29
<i>Bob</i>	3720	3520	3420	3390	55.9	7.8	95	30
<i>Clearwater</i>		3090	2960	3260	62.2	6.8	74	31
WAS 4			3220	3060	62.4	7.4	65	27
<i>Meresse</i>	3100	3160	3240	2890	61.9	7.2	59	27
<i>C.V.</i>	17	15	14	9	1.1	12.0	3	4
<i>LSD</i>	160	230	300	370	0.7	0.9	3	1
Average	3760	3680	3550	3770	55.6	7.4	90	29
Highest	4450	4280	4280	4560	62.4	8.4	96	32
Lowest	3100	3090	2760	2890	52.7	6.5	59	24

Mayview Spring Barley – Preliminary Data

1. Grain yield in the Mayview spring barley trial averaged 3770 pounds/acre and was similar to the 5-year average. The Mayview nursery was located about four miles south of Lower Granite Dam on the Snake River, or 12 miles northeast of Pomeroy, WA (R. & R. Koller, cooperators).
2. This nursery was seeded on 29 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 90#N/acre. Spring seeding and growing conditions were favorable.
3. Yields ranged from 2890 lb/acre to 4560 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. *Baronesse* was the highest yielding named variety. All entries were 2-row and hulless entries are listed in italics. The Lattice design was 188% efficient compared to an RCBD for yield.
4. Test weights were very good with an average of 55.6 lb/bu and ranged from 52.7 to 62.4 lb/bu with the high values produced by hulless cultivars. Grain protein averaged 7.4%, grain plumpness averaged 90%, and the average plant height was 29 inches.