

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.