

2010 WSU EXTENSION SPRING BARLEY NURSERY AT MAYVIEW, WA.

| Variety Name <i>*Hulless Italicized</i> | 5 YEAR AVERAGE (LBS/A) | 3 YEAR AVERAGE (LBS/A) | 2 YEAR AVERAGE (LBS/A) | 2010 | | | |
|--|------------------------------|------------------------------|------------------------------|------------------|---------------------|----------------|-------------|
| | | | | YIELD (LBS/A) | TEST WT (LBS/BU) | PROTEIN (%) | PLANT HT |
| WAS 2 | | | | 4360 | 50.8 | 12.1 | 30 |
| LENETAH | | 4160 | 4190 | 4240 | 49.2 | 11.2 | 35 |
| CHAMPION | 4340 | 4370 | 4340 | 4200 | 52.3 | 9.7 | 33 |
| 06WA-412.4 | | | | 4160 | 48.8 | 12.5 | 31 |
| 06WA-458.14 | | | | 4000 | 48.1 | 11.5 | 32 |
| 05WA-329.49 | | | 3920 | 3970 | 48.7 | 12.0 | 34 |
| 05WA-316.K | | | 3910 | 3910 | 46.5 | 11.4 | 33 |
| 04WA-113.22 | | 3610 | 3730 | 3710 | 46.8 | 12.3 | 31 |
| 05WA-316.99 | | | 3680 | 3690 | 44.6 | 10.9 | 35 |
| 2004NZ163 | | | | 3660 | 46.5 | 13.0 | 27 |
| 06WA-426.49 | | | | 3650 | 43.9 | 12.3 | 32 |
| <i>MERESSE</i> | 3020 | 3100 | 3290 | 3590 | 59.5 | 12.6 | 31 |
| 06WA-423.21 | | | | 3530 | 43.5 | 12.6 | 35 |
| HAXBY | | 3680 | 3580 | 3490 | 49.5 | 11.4 | 35 |
| 04WNZ-124 | | 3600 | 3600 | 3450 | 44.8 | 13.2 | 27 |
| BOB | 3730 | 3630 | 3580 | 3450 | 49.2 | 11.9 | 34 |
| WAS 1 | | | | 3420 | 44.8 | 13.0 | 34 |
| <i>WAS 4</i> | | | | 3380 | 56.5 | 11.9 | 31 |
| 06WA-426.42 | | | | 3370 | 43.4 | 12.6 | 32 |
| SPAULDING | 3680 | 3610 | 3600 | 3350 | 47.3 | 10.7 | 33 |
| RADIANT | 3960 | 3820 | 3840 | 3330 | 44.2 | 12.6 | 32 |
| PINNACLE | | | 3200 | 3230 | 50.0 | 10.9 | 34 |
| <i>WAS 3</i> | | 3050 | 3070 | 3210 | 57.1 | 11.9 | 33 |
| TETONIA | | | 3770 | 3130 | 43.5 | 12.2 | 34 |
| HARRINGTON | 3540 | 3560 | 3580 | 3060 | 43.1 | 12.8 | 35 |
| CDC MEREDITH | | | | 3040 | 41.4 | 12.9 | 33 |
| 06WA-406.28 | | | | 3040 | 42.9 | 12.5 | 32 |
| 06WA-421.23 | | | | 3020 | 43.0 | 12.2 | 33 |
| AC METCALFE | 3190 | 3230 | 3250 | 3010 | 44.2 | 12.4 | 36 |
| 07MB-390 | | | | 3000 | 40.8 | 13.5 | 33 |
| BARONESSE | 3720 | 3600 | 3400 | 2980 | 44.2 | 13.3 | 32 |
| 2004NZ151 | | | | 2910 | 43.2 | 12.5 | 27 |
| BENTLEY | | | | 2710 | 41.5 | 13.2 | 37 |
| <i>CLEARWATER</i> | | | 3010 | 2650 | 54.8 | 13.5 | 33 |
| 06WA-406.9 | | | | 2160 | 39.2 | 13.0 | 34 |
| CDC COPELAND | | 3110 | 3050 | 1980 | 41.2 | 12.9 | 35 |
| C.V. % | 9 | 10 | 11 | 14 | 4.6 | 8.3 | 4 |
| LSD '@ .10' | 200 | 270 | 380 | 630 | 2.9 | 1.4 | 2 |
| Average | 3650 | 3581 | 3580 | 3360 | 46.6 | 12.3 | 33 |
| Highest | 4340 | 4370 | 4340 | 4360 | 59.5 | 13.5 | 37 |
| Lowest | 3020 | 3050 | 3010 | 1980 | 39.2 | 9.7 | 27 |

Mayview Spring Barley – Preliminary Data

1. Grain yield in the Mayview spring barley trial averaged 3360 pounds/acre, 290 pounds/acre less than the 5-year average for this location. 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 16 April, 2010 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 70#N/acre and an early spring soil test showed an additional 106#N/acre in the top 4 foot profile. Spring seeding and growing conditions were good, but early growth potential did not make yield because of dry conditions during grain filling.

3. Yields ranged from 1980 lb/ac to 4360 lb/ac. Yield values within the LSD range of the highest yield are shown in bold and 7 of the 36 entries are in this top group. Lenetah was the highest yielding named entry. All entries were 2-row and hulless entries are listed in italic.

4. Test weights were low and averaged 46.6 lb/bu and ranged from 39.2 to 59.5 lb/bu with the highest values produced by hulless cultivars. Average plant height was 33 inches.