

2014 WSU Variety Testing Barley Trial Summary

Precipitation Zone >20"

| Variety Name | Fairfield | Farmington | Pullman | Average | Fairfield | Farmington | Pullman | Average | Fairfield | Farmington | Pullman | Average |
|---------------------------------------|---------------|------------|---------|-------------|------------------|------------|---------|-------------|-------------|------------|---------|-------------|
| | Yield (Lbs/A) | | | | Test Wt (Lbs/Bu) | | | | Protein (%) | | | |
| | | | | | | | | | | | | |
| Champion | 4390 | 5120 | 4670 | 4730 | 52.4 | 53.1 | 53.1 | 52.9 | 12.7 | 12.4 | 12.7 | 12.6 |
| 09WA-228.13 | 4250 | 5000 | 4480 | 4580 | 52.4 | 53.5 | 51.9 | 52.6 | 12.8 | 11.0 | 12.9 | 12.2 |
| Lenetah | 4050 | 5650 | 3940 | 4540 | 51.6 | 51.7 | 51.0 | 51.4 | 12.7 | 11.2 | 12.6 | 12.2 |
| LCS-Genie | 4470 | 4470 | 4640 | 4530 | 51.2 | 51.4 | 51.2 | 51.3 | 12.3 | 11.9 | 11.7 | 12.0 |
| 10WA-106.18 | 3930 | 5230 | 4120 | 4430 | 51.7 | 52.1 | 50.7 | 51.5 | 12.6 | 11.7 | 12.8 | 12.3 |
| LCS-Odyssey | 4130 | 4470 | 4650 | 4420 | 49.4 | 51.3 | 49.2 | 50.0 | 12.5 | 10.0 | 12.8 | 11.8 |
| 09WA-203.21 | 4270 | 4550 | 4270 | 4370 | 51.8 | 51.1 | 50.5 | 51.1 | 12.6 | 13.0 | 12.6 | 12.7 |
| RWA 1758 | 3980 | 4590 | 4440 | 4340 | 51.6 | 50.8 | 52.9 | 51.7 | 13.8 | 13.3 | 13.0 | 13.4 |
| 10WA-105.33 | 4180 | 4740 | 4060 | 4330 | 51.3 | 51.5 | 51.3 | 51.4 | 13.8 | 13.2 | 13.8 | 13.6 |
| Bob | 3440 | 4780 | 4610 | 4280 | 51.3 | 52.8 | 52.4 | 52.2 | 14.5 | 12.6 | 13.4 | 13.5 |
| 09WA-203.36 | 4050 | 4640 | 4130 | 4270 | 52.4 | 52.5 | 51.0 | 52.0 | 12.6 | 11.9 | 12.1 | 12.2 |
| Lyon (05WA-316.K) | 3900 | 5130 | 3790 | 4270 | 51.1 | 51.5 | 50.2 | 50.9 | 13.0 | 11.7 | 12.4 | 12.3 |
| 2AB09X06F084-51¹ | 3670 | 4970 | 4140 | 4260 | 49.5 | 48.6 | 48.0 | 48.7 | 14.8 | 14.0 | 14.0 | 14.3 |
| LCS-Overture | 3550 | 5070 | 4120 | 4250 | 50.1 | 49.8 | 47.1 | 49.0 | 12.7 | 11.4 | 12.6 | 12.2 |
| LCS-Vespa (LCS LN09-0920) | 3420 | 4570 | 4700 | 4230 | 50.5 | 48.9 | 50.7 | 50.0 | 13.5 | 12.0 | 13.2 | 12.9 |
| 09WA-203.24 | 3910 | 4510 | 4200 | 4210 | 51.4 | 51.8 | 51.1 | 51.4 | 12.7 | 12.2 | 13.4 | 12.8 |
| Muir (07WA-601.6) | 3240 | 5100 | 4150 | 4160 | 50.5 | 51.6 | 50.3 | 50.8 | 14.6 | 12.3 | 13.4 | 13.5 |
| CDC Copeland | 3700 | 4690 | 4050 | 4150 | 49.8 | 50.7 | 49.0 | 49.9 | 12.3 | 11.3 | 13.4 | 12.3 |
| X06G03-T148¹ | 3780 | 4620 | 3990 | 4130 | 52.6 | 52.6 | 51.9 | 52.4 | 14.1 | 12.4 | 13.8 | 13.4 |
| 10WA-113.16 | 3890 | 4280 | 4150 | 4110 | 50.6 | 51.8 | 50.7 | 51.1 | 12.4 | 12.6 | 12.4 | 12.4 |
| Tradition² | 3300 | 5160 | 3820 | 4090 | 50.4 | 52.0 | 52.5 | 51.6 | 13.2 | 11.7 | 13.3 | 12.7 |
| 2008NZ006² | 3580 | 4360 | 4130 | 4020 | 49.4 | 49.4 | 49.1 | 49.3 | 14.0 | 13.6 | 14.0 | 13.9 |
| LCS-Lamari | 3700 | 4190 | 4130 | 4010 | 51.7 | 52.0 | 50.8 | 51.5 | 12.7 | 13.1 | 12.7 | 12.8 |
| Baronesse | 3380 | 4460 | 4170 | 4000 | 51.2 | 50.4 | 49.7 | 50.4 | 13.8 | 12.5 | 12.8 | 13.1 |
| Salute¹ | 3460 | 4300 | 4200 | 3990 | 50.6 | 51.6 | 50.0 | 50.7 | 14.6 | 14.0 | 14.6 | 14.4 |
| 2Ab04-X01084-27 | 3410 | 4270 | 4180 | 3950 | 49.9 | 49.2 | 48.2 | 49.1 | 12.9 | 12.9 | 12.9 | 12.9 |
| CDC Meredith | 3810 | 4100 | 3810 | 3910 | 48.2 | 49.8 | 49.1 | 49.0 | 13.1 | 12.8 | 13.0 | 13.0 |
| 2Ab07-X04M219-46 | 3730 | 4210 | 3740 | 3890 | 46.9 | 45.9 | 43.9 | 45.6 | 14.3 | 13.2 | 16.2 | 14.5 |
| 2008NZ004² | 3940 | 4170 | 3520 | 3880 | 50.7 | 49.2 | 50.9 | 50.2 | 13.2 | 12.4 | 13.4 | 13.0 |
| Harrington | 3660 | 4310 | 3570 | 3850 | 50.1 | 50.2 | 47.5 | 49.3 | 13.6 | 12.8 | 15.7 | 14.1 |
| 2008NZ013² | 3540 | 4130 | 3810 | 3830 | 49.2 | 49.8 | 50.6 | 49.9 | 13.6 | 12.2 | 13.6 | 13.1 |
| AC Metcalfe | 3620 | 3950 | 3800 | 3790 | 51.2 | 52.5 | 50.6 | 51.4 | 14.4 | 13.6 | 14.3 | 14.1 |
| 2Ab07-X031098-31 | 3670 | 3230 | 4240 | 3720 | 50.9 | 50.2 | 48.9 | 50.0 | 14.1 | 12.9 | 13.6 | 13.5 |
| 10WA-113.12 | 3950 | 3630 | 3470 | 3680 | 50.2 | 51.5 | 49.6 | 50.4 | 12.4 | 11.7 | 12.6 | 12.2 |
| 09WA-265.12 | 3110 | 4020 | 3840 | 3660 | 57.7 | 56.4 | 57.3 | 57.1 | 13.8 | 12.4 | 13.6 | 13.3 |
| 2Ab09-X06F058HL-31¹ | 2600 | 3310 | 3310 | 3070 | 54.0 | 48.6 | 51.1 | 51.2 | 15.8 | 15.3 | 15.6 | 15.6 |
| Hulless | | | | | | | | | | | | |
| X05013-T1³ | 2900 | 3850 | 4070 | 3610 | 56.4 | 56.5 | 54.5 | 55.8 | 15.5 | 12.9 | 15.1 | 14.5 |
| 09WA-265.5³ | 3240 | 3360 | 3650 | 3420 | 55.8 | 55.5 | 58.3 | 56.6 | 14.0 | 12.7 | 14.5 | 13.8 |
| X07G30-T131³ | 2820 | 3470 | 3560 | 3290 | 57.0 | 52.0 | 57.0 | 55.3 | 15.3 | 14.3 | 14.5 | 14.7 |
| Meresse³ | 2820 | 3380 | 3370 | 3190 | 53.8 | 51.9 | 55.0 | 53.6 | 16.0 | 14.6 | 15.9 | 15.5 |
| X06G07-T43³ | 2700 | 3220 | 3440 | 3120 | 49.2 | 49.4 | 51.3 | 50.0 | 15.9 | 12.3 | 14.8 | 14.3 |
| X0626-T229³ | 2760 | 2730 | 3380 | 2950 | 54.7 | 54.4 | 54.8 | 54.6 | 16.0 | 15.0 | 15.5 | 15.5 |
| C.V. % | 12 | 11 | 9 | 11 | 1.5 | 4.0 | 3.0 | 3.0 | 3.8 | 8.6 | 5.6 | 6.2 |
| LSD (.10) | 460 | 510 | 390 | 260 | 0.8 | 2.2 | 1.6 | 0.9 | 0.6 | 1.1 | 0.8 | 0.5 |
| Average | 3620 | 4330 | 4010 | 3990 | 51.5 | 51.4 | 51.1 | 51.3 | 13.7 | 12.6 | 13.6 | 13.3 |
| Highest | 4470 | 5650 | 4700 | 4730 | 57.7 | 56.5 | 58.3 | 57.1 | 16.0 | 15.3 | 16.2 | 15.6 |
| Lowest | 2600 | 2730 | 3310 | 2950 | 46.9 | 45.9 | 43.9 | 45.6 | 12.3 | 10.0 | 11.7 | 11.8 |

¹ Covered Waxy, High Beta-Glucan

² 6-Row

³ Hulless, Waxy, High Beta-Glucan

2014 WSU Spring Barley Trial Summary

Precipitation Zone >20" – Preliminary Data

1. Hulled and hulless spring barley grain yield across three locations and 42 entries in the >20" precipitation zone averaged 3990 lbs/acre and was lower than the 2013 average of 4340 lbs/acre. The <16" zone is not summarized because only a single location had useful data in 2014.
2. Yields among entries averaged across locations ranged from 2950 to 4730 lbs/acre. 'Champion' was the highest yielding named entry averaged across locations. Average yield values within the 10% LSD range (260 lbs/acre) of the highest yield are shown in bold and this included four of the 42 entries.
3. Test weights averaged 51.3 lbs/bu across locations and were lower than the 2013 52.3 lbs/bu average. Grain protein in 2014 averaged 13.3% and was higher than last year's 12.7% value. Plump, date head, plant height, and lodging results can be found on individual final site summaries.