

2013 WSU Variety Testing Hard Spring Wheat Trial Summary

Precipitation Zone <12"

| Variety Name | Bickleton | Connell | Horse Heaven | Lind | Average | Bickleton | Connell | Horse Heaven | Lind | Average | Bickleton | Connell | Horse Heaven | Lind | Average |
|--------------------------|--------------|---------|--------------|------|-----------|------------------|---------|--------------|------|-------------|-------------|---------|--------------|------|-------------|
| | Yield (Bu/A) | | | | | Test Wt (Lbs/Bu) | | | | | Protein (%) | | | | |
| Hard Red Spring | | | | | | | | | | | | | | | |
| Scarlet | 36 | 21 | 41 | 21 | 29 | 57.0 | 57.1 | 61.4 | 58.5 | 58.5 | 14.1 | 15.8 | 13.5 | 17.4 | 15.2 |
| Bullseye | 38 | 18 | 41 | 18 | 29 | 60.3 | 61.0 | 63.8 | 60.9 | 61.5 | 13.2 | 15.8 | 14.3 | 17.1 | 15.1 |
| LCS-Buck Pronto | 34 | 20 | 39 | 19 | 28 | 58.6 | 60.3 | 62.2 | 59.3 | 60.1 | 14.2 | 16.0 | 14.0 | 16.9 | 15.3 |
| Hollis | 38 | 18 | 36 | 21 | 28 | 58.9 | 60.1 | 61.9 | 59.9 | 60.2 | 14.6 | 15.8 | 14.6 | 16.4 | 15.3 |
| IDO862T | 39 | 17 | 35 | 18 | 27 | 58.0 | 59.8 | 62.0 | 59.5 | 59.9 | 14.5 | 16.3 | 13.9 | 17.1 | 15.5 |
| 11SB0096 | 34 | 16 | 41 | 17 | 27 | 56.8 | 58.8 | 61.5 | 58.7 | 59.0 | 13.5 | 15.3 | 12.9 | 16.0 | 14.4 |
| Lassik | 29 | 21 | 41 | 18 | 27 | 59.5 | 61.2 | 62.5 | 61.7 | 61.2 | 13.7 | 15.3 | 13.9 | 15.9 | 14.7 |
| Glee (WA 8074) | 38 | 20 | 34 | 17 | 27 | 59.2 | 61.7 | 62.7 | 62.5 | 61.5 | 14.4 | 15.8 | 14.5 | 16.6 | 15.3 |
| Glee-G2 | 37 | 20 | 32 | 19 | 27 | 59.5 | 61.5 | 62.9 | 61.4 | 61.3 | 13.9 | 16.2 | 14.2 | 16.7 | 15.2 |
| WA 8165 | 34 | 21 | 33 | 20 | 27 | 60.6 | 60.5 | 61.9 | 61.1 | 61.0 | 13.9 | 16.3 | 15.1 | 17.2 | 15.6 |
| WA 8166 | 30 | 19 | 38 | 21 | 27 | 59.7 | 60.9 | 62.5 | 61.7 | 61.2 | 14.2 | 15.7 | 13.9 | 16.8 | 15.2 |
| WA 8190 | 22 | 22 | 40 | 22 | 27 | 56.7 | 56.3 | 59.9 | 59.4 | 58.1 | 14.1 | 14.4 | 13.1 | 16.2 | 14.5 |
| Jefferson | 33 | 18 | 36 | 19 | 27 | 58.6 | 60.0 | 62.4 | 59.0 | 60.0 | 14.6 | 16.0 | 13.8 | 16.8 | 15.3 |
| Glee-0W | 35 | 19 | 34 | 19 | 26 | 60.0 | 61.4 | 62.4 | 61.8 | 61.4 | 13.7 | 16.0 | 14.7 | 16.4 | 15.2 |
| SY605 CL | 34 | 18 | 39 | 16 | 26 | 58.6 | 60.9 | 63.3 | 58.5 | 60.3 | 14.6 | 16.5 | 14.6 | 17.6 | 15.8 |
| Kelse | 34 | 19 | 31 | 19 | 26 | 59.5 | 60.0 | 61.5 | 61.5 | 60.6 | 14.3 | 16.9 | 15.5 | 17.1 | 16.0 |
| WA 8191 | 29 | 19 | 34 | 19 | 25 | 58.4 | 57.3 | 60.8 | 59.9 | 59.1 | 12.5 | 14.2 | 13.5 | 15.4 | 13.9 |
| IDO862E | 37 | 16 | 35 | 13 | 25 | 59.0 | 60.5 | 62.4 | 60.9 | 60.7 | 13.8 | 16.4 | 14.5 | 17.3 | 15.5 |
| WB9879CLP | 28 | 20 | 36 | 15 | 25 | 57.6 | 59.8 | 61.6 | 59.9 | 59.7 | 14.3 | 16.5 | 15.2 | 17.5 | 15.9 |
| Tara 2002 | 35 | 16 | 32 | 16 | 25 | 59.3 | 59.4 | 61.3 | 58.3 | 59.6 | 14.3 | 16.6 | 15.1 | 16.9 | 15.7 |
| LNR10-0551 | 36 | 15 | 33 | 15 | 25 | 59.8 | 59.9 | 62.6 | 61.6 | 61.0 | 14.1 | 15.7 | 14.4 | 16.8 | 15.3 |
| WA 8164 | 32 | 16 | 32 | 17 | 24 | 59.5 | 60.8 | 62.3 | 61.3 | 61.0 | 13.8 | 16.8 | 14.6 | 17.0 | 15.5 |
| UI-Winchester | 30 | 19 | 32 | 16 | 24 | 59.2 | 61.1 | 63.1 | 62.2 | 61.4 | 13.8 | 16.2 | 15.0 | 16.6 | 15.4 |
| Hard White Spring | | | | | | | | | | | | | | | |
| Otis | 34 | 23 | 41 | 25 | 31 | 59.8 | 59.8 | 61.8 | 60.1 | 60.4 | 12.9 | 15.0 | 12.9 | 15.9 | 14.2 |
| IDO1202S | 30 | 23 | 41 | 23 | 29 | 57.7 | 59.0 | 61.9 | 62.0 | 60.1 | 13.9 | 15.2 | 13.0 | 16.3 | 14.6 |
| WA 8163 | 29 | 22 | 41 | 22 | 28 | 58.7 | 58.7 | 61.6 | 60.1 | 59.8 | 14.2 | 15.6 | 13.4 | 17.3 | 15.1 |
| WA 8192 | 32 | 21 | 40 | 19 | 28 | 58.4 | 59.9 | 62.5 | 60.6 | 60.4 | 13.3 | 14.3 | 12.7 | 15.8 | 14.0 |
| BR7030 | 36 | 20 | 39 | 17 | 28 | 59.4 | 61.2 | 63.1 | 62.2 | 61.5 | 13.5 | 16.1 | 14.2 | 15.9 | 14.9 |
| COI565W | 37 | 20 | 35 | 17 | 27 | 58.1 | 58.6 | 61.4 | 59.9 | 59.5 | 14.1 | 15.7 | 14.5 | 16.6 | 15.2 |
| WB Hartline | 36 | 18 | 34 | 20 | 27 | 57.3 | 59.1 | 61.0 | 60.1 | 59.4 | 13.6 | 16.7 | 15.1 | 17.2 | 15.6 |
| Dayn (WA 8123) | 32 | 17 | 37 | 19 | 26 | 58.0 | 59.3 | 62.2 | 61.3 | 60.2 | 13.9 | 15.8 | 13.7 | 16.6 | 15.0 |
| 08SB0658-B | 35 | 16 | 35 | 16 | 25 | 56.5 | 59.3 | 61.8 | 61.9 | 59.9 | 14.3 | 15.5 | 13.6 | 15.7 | 14.8 |
| IDO694C | 32 | 16 | 35 | 16 | 25 | 59.5 | 61.2 | 63.1 | 58.3 | 60.6 | 13.9 | 15.8 | 14.0 | 16.1 | 15.0 |
| AUBR31059W (Roydon) | 35 | 15 | 33 | 15 | 24 | 60.5 | 61.4 | 63.1 | 61.0 | 61.5 | 13.9 | 16.6 | 14.9 | 16.7 | 15.5 |
| Patwin 515 | 34 | 15 | 35 | 12 | 24 | 56.2 | 59.3 | 60.5 | 60.2 | 59.1 | 14.7 | 16.5 | 13.9 | 17.0 | 15.5 |
| CHBR1481W (Rexon) | 33 | 17 | 27 | 15 | 23 | 59.0 | 61.2 | 62.3 | 59.9 | 60.6 | 13.2 | 16.2 | 14.9 | 16.6 | 15.2 |
| C.V. % | 10 | 9 | 8 | 9 | 10 | 1.3 | 0.9 | 0.7 | 2.6 | 1.6 | 4.5 | 1.7 | 3.0 | 1.4 | 2.8 |
| LSD (0.10) | 4 | 2 | 3 | 2 | 1 | 0.8 | 0.6 | 0.5 | 1.7 | 0.5 | 0.7 | 0.3 | 0.5 | 0.2 | 0.2 |
| Average | 33 | 19 | 36 | 18 | 27 | 58.7 | 60.0 | 62.1 | 60.5 | 60.3 | 13.9 | 15.9 | 14.2 | 16.7 | 15.2 |
| Highest | 39 | 23 | 41 | 25 | 31 | 60.6 | 61.7 | 63.8 | 62.5 | 61.5 | 14.7 | 16.9 | 15.5 | 17.6 | 16.0 |
| Lowest | 22 | 15 | 27 | 12 | 23 | 56.2 | 56.3 | 59.9 | 58.3 | 58.1 | 12.5 | 14.2 | 12.7 | 15.4 | 13.9 |

2013 WSU Hard Spring Wheat Trial Summary Precipitation Zone <12" – Preliminary Data

1. Hard red and white spring wheat grain yield across four locations and 36 entries in the <12" precipitation zone averaged 27 bushels/acre and is higher than the 2012 average of 26 bushels/acre. The CV for the average data is 10, similar to the 2012 CV.
2. Yields among entries averaged across locations ranged from 23 to 31 bushels/acre. 'Scarlet' and 'Bullseye' were the highest yielding hard red entries and 'Otis' was the highest yielding hard white entry averaged across locations. Average yield values within the 10% LSD range (1 bushel/acre) of the highest yield are shown in bold and this included 1 of the 36 entries. Stripe rust was not a factor in these trials.
3. Test weight averaged 60.3 lbs/bu across locations and entries and was higher than last year's 59.8 lbs/bu average. Grain protein averaged 15.2% and was lower than last year's 15.8% protein value.