

2011 WSU Variety Testing Soft White Spring Wheat Trial Summary

Precipitation Zone 16-20"

| Variety Name (Club <i>Italicized</i>) | Yield (Bu/A) | | | | | | Test Weight (Lbs/A) | | | | | | Protein (%) | | | | | |
|---|--------------|---------|---------|----------|-------------|-----------|---------------------|---------|---------|----------|-------------|-------------|-------------|---------|---------|----------|-------------|-------------|
| | Dayton | Mayview | Reardan | St. John | Walla Walla | Average | Dayton | Mayview | Reardan | St. John | Walla Walla | Average | Dayton | Mayview | Reardan | St. John | Walla Walla | Average |
| Louise-G2 | 96 | 62 | 90 | 78 | 73 | 80 | 62.7 | 61.0 | 63.3 | 62.1 | 60.0 | 61.8 | 11.0 | 7.6 | 10.5 | 10.4 | 13.2 | 10.5 |
| Louise | 97 | 61 | 89 | 71 | 79 | 79 | 62.8 | 60.6 | 63.4 | 61.7 | 59.7 | 61.7 | 11.1 | 7.9 | 10.9 | 10.1 | 13.1 | 10.6 |
| Diva | 97 | 58 | 85 | 72 | 71 | 76 | 62.6 | 61.1 | 62.6 | 62.6 | 60.2 | 61.8 | 11.2 | 8.4 | 11.1 | 10.6 | 13.3 | 10.9 |
| <i>JD</i> | 91 | 58 | 88 | 66 | 61 | 73 | 64.2 | 62.3 | 64.4 | 63.4 | 61.3 | 63.1 | 11.4 | 8.2 | 11.6 | 11.7 | 14.5 | 11.5 |
| WA 8131 | 86 | 49 | 85 | 68 | 78 | 73 | 62.8 | 61.5 | 63.0 | 62.0 | 60.1 | 61.9 | 11.6 | 8.8 | 11.8 | 10.9 | 14.5 | 11.5 |
| Babe | 97 | 52 | 76 | 65 | 70 | 72 | 63.7 | 61.1 | 62.6 | 61.6 | 59.4 | 61.7 | 10.9 | 7.4 | 10.8 | 9.9 | 13.9 | 10.6 |
| Whit | 95 | 58 | 74 | 63 | 71 | 72 | 62.2 | 60.6 | 62.7 | 61.2 | 57.3 | 60.8 | 11.1 | 7.9 | 10.9 | 10.0 | 14.5 | 10.9 |
| WA 8127 | 90 | 54 | 77 | 64 | 69 | 71 | 63.3 | 61.8 | 63.1 | 62.1 | 60.0 | 62.0 | 11.3 | 8.6 | 11.6 | 10.9 | 14.0 | 11.3 |
| IDO644 | 91 | 55 | 79 | 55 | 74 | 71 | 61.7 | 59.5 | 62.0 | 60.5 | 57.8 | 60.3 | 11.2 | 6.9 | 10.6 | 10.1 | 13.6 | 10.5 |
| <i>Eden</i> | 86 | 54 | 76 | 63 | 74 | 71 | 63.7 | 61.7 | 63.5 | 62.8 | 61.2 | 62.6 | 10.8 | 8.2 | 11.1 | 10.6 | 12.9 | 10.7 |
| IDO686 | 86 | 53 | 82 | 62 | 66 | 70 | 63.9 | 61.5 | 64.2 | 62.8 | 60.0 | 62.5 | 10.9 | 8.0 | 11.0 | 10.8 | 13.1 | 10.8 |
| WA 8128 | 85 | 51 | 84 | 65 | 67 | 70 | 63.1 | 61.8 | 63.7 | 62.5 | 59.2 | 62.1 | 11.5 | 8.3 | 11.3 | 11.5 | 14.3 | 11.4 |
| Alturas | 86 | 52 | 80 | 63 | 69 | 70 | 62.2 | 60.0 | 62.3 | 61.1 | 59.3 | 61.0 | 11.0 | 7.7 | 10.5 | 10.2 | 13.3 | 10.5 |
| Wakanz | 93 | 56 | 79 | 60 | 63 | 70 | 61.9 | 61.0 | 61.9 | 60.7 | 56.4 | 60.4 | 11.7 | 8.8 | 11.3 | 11.1 | 14.7 | 11.5 |
| WA 8124 | 88 | 49 | 83 | 65 | 61 | 69 | 63.9 | 61.0 | 63.4 | 62.9 | 60.2 | 62.3 | 11.2 | 7.3 | 10.8 | 10.8 | 14.3 | 10.9 |
| IDO687 | 84 | 48 | 80 | 60 | 66 | 68 | 64.0 | 61.3 | 63.9 | 62.8 | 60.6 | 62.5 | 11.1 | 7.0 | 10.9 | 10.5 | 13.7 | 10.6 |
| IDO671 | 86 | 50 | 77 | 58 | 65 | 67 | 62.8 | 60.4 | 62.5 | 61.7 | 59.8 | 61.4 | 10.8 | 8.3 | 10.6 | 9.8 | 13.2 | 10.5 |
| Alpowa | 89 | 49 | 74 | 55 | 64 | 66 | 63.6 | 61.8 | 62.7 | 61.9 | 59.4 | 61.9 | 11.0 | 7.7 | 10.6 | 10.0 | 14.4 | 10.7 |
| Nick | 91 | 49 | 66 | 48 | 74 | 66 | 62.7 | 60.2 | 61.8 | 60.4 | 59.3 | 60.9 | 11.5 | 7.5 | 11.5 | 10.6 | 13.9 | 11.0 |
| WA 8150 | 81 | 53 | 74 | 56 | 61 | 65 | 63.5 | 61.6 | 62.8 | 62.5 | 60.5 | 62.2 | 11.0 | 7.9 | 10.3 | 10.2 | 14.3 | 10.7 |
| UI-Cataldo | 85 | 49 | 72 | 49 | 70 | 65 | 62.0 | 59.9 | 62.5 | 60.6 | 59.3 | 60.8 | 11.6 | 8.6 | 11.6 | 11.1 | 14.3 | 11.4 |
| Zak | 84 | 49 | 66 | 55 | 69 | 64 | 61.9 | 61.2 | 62.1 | 60.8 | 60.6 | 61.3 | 11.9 | 8.7 | 11.0 | 10.9 | 15.0 | 11.5 |
| WA 8149 | 83 | 48 | 76 | 58 | 57 | 64 | 62.8 | 60.4 | 61.9 | 61.2 | 59.7 | 61.2 | 11.1 | 7.0 | 10.4 | 10.3 | 12.9 | 10.3 |
| WB-1035CL2 | 76 | 40 | 61 | 40 | 67 | 57 | 62.4 | 60.7 | 61.9 | 60.0 | 58.5 | 60.7 | 13.1 | 9.0 | 13.2 | 11.9 | 15.2 | 12.5 |
| CV (%) | 4 | 7 | 7 | 10 | 7 | 7 | 0.4 | 0.6 | 0.7 | 0.7 | 1.5 | 0.9 | 1.7 | 9.1 | 3.6 | 4.1 | 5.0 | 4.8 |
| LSD (0.10) | 4 | 4 | 6 | 12 | 9 | 2 | 0.3 | 0.4 | 0.5 | 0.9 | 1.8 | 0.2 | 0.2 | 0.8 | 0.4 | 0.9 | 1.4 | 0.2 |
| Average | 88 | 52 | 78 | 61 | 68 | 70 | 62.9 | 61.0 | 62.9 | 61.7 | 59.6 | 61.6 | 11.3 | 8.0 | 11.1 | 10.6 | 13.9 | 11.0 |
| Highest | 97 | 62 | 90 | 78 | 79 | 80 | 64.2 | 62.3 | 64.4 | 63.4 | 61.3 | 63.1 | 13.1 | 9.0 | 13.2 | 11.9 | 15.2 | 12.5 |
| Lowest | 76 | 40 | 61 | 40 | 57 | 57 | 61.7 | 59.5 | 61.8 | 60.0 | 56.4 | 60.3 | 10.8 | 6.9 | 10.3 | 9.8 | 12.9 | 10.3 |

2011 WSU Soft White Spring Wheat Trial Summary

Precipitation Zone 16-20" – Preliminary Data

1. Soft white spring wheat grain yield across five locations and 24 entries in the 16-20" precipitation zone averaged 70 bushels/acre that is higher than the average in the >20" zone and 10 bushels/acre higher than the 2010 average of 60 bushels/acre. The CV for the average data is 7, lower than the 2010 CV. In general the trials had good establishment after late seeding.
2. Yields among entries averaged across locations ranged from 57 to 80 bushels/acre. Louise-G2 was the highest yielding entry averaged across locations. The Louise-G2 entry is a 2 oz/100lb of seed treatment of Gaucho. This treatment targets wire worms that may be causing yield losses and appears to be effective at the St John site. Average yield values within the 10% LSD range (2 bushels/acre) of the highest yield are shown in bold and this included 2 of the 24 entries. Stripe rust was a factor at all locations and influenced yield rankings based on susceptibility. The number of fungicide applications made on these trials and stripe rust yield impacts in percent are: 2 applications and 10% impact at Dayton, two and minimal at Mayview, none and 25% at Reardan, none and 25% at St. John, and 2 and minimal at Walla Walla.
3. Test weight averaged 61.6 lb/bu across locations and entries and was higher than last year's 56.3 lb/bu average. Grain protein averaged 11.0% and was lower than last year's 12.4% protein value.