## 2011 WSU Variety Testing Hard Spring Wheat Trial Summary

### Precipitation Zone 16-20"
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Precipitation Zone 16-20” – Preliminary Data
1. Hard red and white spring wheat grain yield across five locations and 24 entries in the 16-20” precipitation zone averaged 65 bushels/acre that is higher than the average in the >20” zone and 8 bushels/acre higher than the 2010 average of 57 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 55 to 74 bushels/acre. Lassik was the highest yielding named entry averaged across locations. 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, 2 and minimal at Mayview, 0 and 25% at Reardan, 0 and 25% at St. John, and 2 and minimal at Walla Walla. 
3. Test weight averaged 61.0 lb/bu across locations and entries and was higher than last year’s 54.7 lb/bu average. Grain protein averaged 12.5% and was lower than last year’s 14.5% protein value.