2011 WSU Variety Testing Soft White Winter Wheat Trial Summary

Precipitation Zone 16-20"
2011 WSU Soft White Winter Wheat Trial Summary
Precipitation Zone 16-20” – Preliminary Data

1. Soft white winter wheat grain yield across five locations and 60 entries in the 16-20” precipitation zone averaged 139 bushels/acre and is 20 bushels/acre higher than the 2010 average of 119 bushels/acre and 18 bushels/acre higher than the 2009 average of 121 bushels/acre. The CV for the average data was 8, lower than the 2010 CV. In general the trials had good fall establishment.

2. Yields among entries averaged across locations ranged from 110 to 160 bushels/acre and reflected the favorable precipitation and temperature through most of the growing season. Cara was the highest yielding named variety averaged across locations. Average yield values within the 10% LSD range (10 bushels) of the highest yield are shown in bold and this included 11 of the 60 entries. Stripe rust significantly reduced yields in most of these locations and influenced yield rankings based on susceptibility. Fungicide applications and yield impacts in percent for these locations were: no fungicide and 35% impact at St. John, one and 20% at Walla Walla, three and 15% at Dayton, one and 10% at Mayview, and 1 and low at Reardan.

3. Test weight averaged 60.6 lb/bu across locations and entries and was higher than last year’s 59.4 lb/bu average. Grain protein averaged 10.2% and was lower than last year’s 10.8% protein value.