

## **Wheat leaf and stripe rust update, 09 March 2011**

### **Amir Ibrahim, Texas A&M Univ.**

Today, I have found leaf rust on border strips of 'TAM 110' (Feekes 3.0 to 4.0) in the lower canopy in a demo trial at College Station . I could not find rust on our yield trials in the A&M Agronomy Farm at College Station. These trials got to a late start following dry planting conditions. We have had a very dry fall and winter over most of Texas. Half of Texas counties are under a burn ban.

On March 8th, Rex Herrington and Bryan Simoneaux found both leaf and stripe rust at Yoakum (South Central Texas). We grow single rows at this location for evaluation of vernalization requirement of wheat and crown rust screening of oats. A few early lines are starting to head at this location. Three of the Southern Regional Performance Nursery (SRPN) entries had wheat stripe rust (10S) on the middle and upper leaves (please see picture). Wheat leaf rust at Yoakum was found on 'Jagelene' (70S), 'TAM 110' (50S), 'Jackpot' (5S), 'TAM 112' (5S), with trace amount on 'Santa Fe', 'TAM 101', and 'Coronado'. Oat crown rust (5S) was seen on 'Nora', with a lot of susceptible flecking at the same Yoakum location. Powdery Mildew is getting heavy on a few lines.



Stripe rust infection at Yoakum, TX

Bryan Simoneaux saw 10S leaf rust on TAM110 at Uvalde, and he found a few single pustules of leaf rust on the blended rust spreader rows at the Multi-State Rust Evaluation Nursery at Castroville (12 miles west of San Antonio) on Monday the 7th.

On March 4th, Rob Duncan, Small Grains Extension Specialist, reported severe leaf rust in commercial

production fields in Colorado and Wharton Counties (southwest of Hosuton) on Jackopt wheat (80-100%). He reported that fungicide application has already started further south in Jackson county. Leaf rust was also found earlier at McGregor (near Temple) in central Texas by Daniel Hathcoat and Rob Duncan on Jagalene and TAM 112.

We have not found or heard about rust yet in northeast Texas or in the Rolling and High Plains of Texas. We will keep you updated.