

ARKANSAS WHEAT PROMOTION BOARD -- Progress Report, November, 2007 -

- Title:** Wheat Disease Management
- Investigators:** Scott Monfort, Gene Milus and Jason Kelley
- Cooperators:** Rick Cartwright, Terry Kirkpatrick, Michael Emerson, Amy Carroll, Joe Vestal, and Carl Hayden
- Objectives:**
- Characterize the resistance to important diseases in commonly grown varieties and promising replacement varieties.
 - Determine the economic return of a foliar fungicide application on commonly grown varieties and promising replacement varieties.
 - Determine the relative efficacy of registered and advanced experimental foliar fungicides on stripe rust and other diseases.
 - Enhance the timely communication of pertinent information on wheat diseases and their management.

Fields in Arkansas, Chicot, and Lafayette Counties were selected for this research project and were planted on November 6, October 8, and October 25, respectively. All locations are up to good stands and are growing well. The next step in this research project is to monitor the three locations for disease development on the selected varieties in plots and provide real-time disease information for growers in the select areas. Information on disease development will be communicated in a timely manner via the Wheat Newsletter. Once disease development is observed in the spring, disease resistance and fungicide evaluations will also initiated.

Thanks to the ARKANSAS WHEAT BOARD PROPOSAL for making this project possible.