What Will PIPE Look Like in Five Years
(One Possible Path)

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2006 Legume PIPE (Soybean Rust Platform)

National Soybean Rust Commentary (updated: 09/30/06)
Georgia reported (9-30) a new find in Tifton County in a soybean sentinel site. Currently rust has been found infecting this year’s soybeans in 53 different counties in eight states: AL, FL, GA, LA, MS, SC, TX, and NC. Including reports on ladino, there is a total of 83 counties in eight states with rust this year including 5 in Alabama, 15 in Florida, 18 in Louisiana, 17 in South Carolina, 13 in Georgia, 3 in Texas, 2 in Mississippi, and 10 in North Carolina. Spore trapping continues throughout the U.S. using both active and passive traps. Any positive spore trap information does not imply infection has taken place and plant samples are used exclusively for recording positive rust occurrences. Much like the 2005 season, more soybean rust finds are expected late this season through the next several months. Please consult your state commentary for more detailed information about conditions in your state.
2006 Operational IT Structure Under PIPE

Tasks

General Dissemination → Individual Interpretation → Integration → Modeling → Data Management

General Dissemination

Integration

Modeling

Data Management

Host → Disease → Pathogen ← Environment

Pathogen ← Environment

(Direct Observation)
2011 Operational IT Structure Under PIPE

Tasks + Advanced Tools

Custom Dissemination
Team Interpretation
Engine

+ =

Custom Dissemination
Team Interpretation
Engine

Host → Disease → Environment
Pathogen ← Environment

(Auto Obs)
Data Feeds to the Engine

Real-time Automated Recording and Wireless Transmission
Integration and Modeling in the Engine

Observer, Researcher, and Programmer Access
Observer Screen
Observer Screen
Observer Screen
Observer Screen
Researcher Screen
Researcher Screen
Interpretation Interacting With Engine
Education, Extension, Government, and Industry Access

Education  ->  Extension

Government  <->  Industry

Engine
Interpretation Interacting With Engine
Education, Extension, Government, and Industry Access
Interpretation Team
Coordination of Information Exchange Among Members

International University & Government-Coordinated Research

National Research & Extension University Coordinated Committee
Standing committees in SBR Coordinated Framework

Regional Sentinel Plot Networks, Southern Soybean Disease Workers

State Land-Grant University & State Specialists

County Extension Agents, Crop Consultants

Grower
Soybean Rust Research Forecast (issued: 2005-08-09)

Current Conditions

Overview: Two clusters of showers and thunderstorms in the Mississippi and Ohio Valleys are sliding southeastward along a stationary front draped from the central Plains into the lower Ohio Valley and the Carolinas. South of this boundary, conditions remain partly to mostly sunny and quite warm. As the day progresses, scattered afternoon showers and thunderstorms are expected to develop in areas of Louisiana and Mississippi, as well as areas along the Southeast coast. Seasonal temperatures and less humid conditions in the Great Lakes and Northeast are the result of high pressure anchored in the eastern Lakes. Meanwhile, the central and southern Plains will continue to bake under the extreme heat, as many areas...
Specialist Screen
USDA Soybean Rust Coordinated Framework
From Planning to Management in 2011

Planning
Training
Education
Monitoring & Scouting
Research
Modeling
Information Dissemination
Management

USDA
University
Industry
Grower
Consultant
Distributor

United States Department of Agriculture
Thank you!

Questions?