

*PROGRAM*  
*of the*  
**National Soybean  
Rust Symposium**

November 14-16, 2005 • Nashville, TN

*Presented by*



*Healthy Plants • Healthy World*

*In cooperation with*

**Sponsors**

United Soybean Board  
USDA APHIS  
USDA ARS  
USDA CSREES  
Sipcam Agro USA, Inc.  
Bayer CropScience  
BASF Corp.  
North Central Soybean Research Program  
Iowa Soybean Association

Cheminova  
Dow Agrosciences, LLC  
Valent USA Corp.  
AgraQuest, Inc.  
CropLife America  
Makhteshim-Agan of North America, Inc.  
Syngenta Crop Protection  
Pioneer/Dupont Ag and Nutrition

**Partners**

American Seed Trade Association  
American Society of Agronomy  
American Soybean Association  
Canadian Phytopathological Society  
Crop Science Society of America

NC-137 Soybean Pathology Committee  
NC-504/NCT-202 Soybean Rust Committee  
Plant Management Network  
Southern Soybean Disease Workers

## Welcome to the National Soybean Rust Symposium

We are pleased to have such a breadth of expertise from the attendees participating in this first of its kind National Soybean Rust Symposium. Special thanks to all of our sponsors and partners who helped make this program possible. The next couple of days will offer the best research and latest information on soybean rust acquired during North America's first crop season with the disease. Your insights during the breakout sessions will be key to identifying priorities on how best to respond to soybean rust in 2006 and beyond. We trust this will be a valuable experience. Thank you for your participation!

**Gary Bergstrom, Cornell University, National Soybean Rust Symposium Coordinator**

### *National Soybean Rust Symposium Technical Program Committee*

Anne Dorrance, Ohio State University, chair  
Craig Grau, University of Wisconsin  
Glen Hartman, USDA ARS  
Roger Magarey, USDA APHIS PPQ CPHST  
Brian Olson, Dow AgroSciences LLC  
John Rupe, University of Arkansas

### *Administrative Sponsors*




## National Soybean Rust Symposium Program

### Monday, November 14

5:00 PM Registration Opens / Ballroom Foyer  
6:00 PM Poster Set-up / Center Ballroom  
8:00 PM Poster Viewing / Center Ballroom, refreshments and appetizers; sponsored by  
10:00 PM Poster Viewing Closes



### Tuesday, November 15, 2005

6:30 AM Registration / Ballroom Foyer  
6:30 AM Continental Breakfast and Poster Viewing / Center Ballroom; sponsored by   
8:00 AM **Introduction: Purpose of Symposium** / East Ballroom  
Gary Bergstrom, Cornell University  
8:10 AM **Welcome** / East Ballroom  
Merle Pierson, USDA Deputy Undersecretary for Research, Education and Economics  
8:20 AM **Session One: Detection, Prediction and Diagnostics for Soybean Rust** / East Ballroom  
**What and How Well Did They Work in 2005?**  
*Craig Grau, University of Wisconsin - Session Coordinator/Moderator*  
**2005 Overview of Sentinel Plot Program and Coordination**  
Don Hershman, University of Kentucky  
Loren Giesler, University of Nebraska  
**Update on Sources of Offshore Inoculum**  
Jose Hernandez, USDA ARS  
**Performance of Disease Prediction Systems**  
Scott Isard, Penn State University  
Zaitao Pan, St. Louis University  
Thomas Keever, North Carolina State University  
**Open Discussion/Q&A**  
10:00 AM Break; sponsored by  Dow AgroSciences  
10:15 AM **Comparison of Detection Methods (Regional Diagnostic Labs)** / East Ballroom  
*John Rupe, University of Arkansas - Session Coordinator/Moderator*  
**PCR, Detection Times Compared to ELISA**  
Phil Harmon, University of Florida SPDN  
**QualiPlate Kit for Soybean Rust**  
Murali Bandla, Envirologix, Inc.  
**Spore Sampling**  
Les Szabo, USDA ARS  
Erick De Wolf, Penn State University  
John Rupe, University of Arkansas  
**Open Discussion/Q&A**  
11:45 PM LUNCH (Poster Viewing) / Center Ballroom; sponsored by 

- 1:00 PM **Breakout Session One**  
 Groups will address surveillance activities (including sentinel plots), diagnostics, information management, prediction and coordination. **Your breakout is denoted on your badge by a color dot.**
- Light Blue ● Breakout / East Ballroom / Facilitator-XB Yang, Recorder-Laura Sweets
  - Red ● Breakout / Music City Ballroom (Level 2) / Facilitator-Edward Sikora, Recorder- Alison Robertson
  - Green ● Breakout / Fisk One (Level 2) / Facilitator-Robert Mulrooney, Recorder-Dean Malvick
  - Yellow ● Breakout / Fisk Two (Level 2) / Facilitator-Clayton Hollier, Recorder-James Kurle
  - Orange ● Breakout / Ryman Two (Level 3) / Facilitator-James English, Recorder-Arv Grybauskas
  - Dark Blue ● Breakout / Bluegrass (Level 4) / Facilitator-Jason Bond, Recorder-Carl Bradley

- 2:00 PM **Session Two: Soybean Rust Management - Fungicides** / East Ballroom  
*Brian Olson, Dow AgroSciences LLC - Session Coordinator/Moderator*  
**Latest Results of Fungicide & Biocontrol Testing – Data from Industry**  
 John Pawlak, Valent USA Corp.  
 Marty Wiglesworth, Syngenta Crop Protection  
 James Whitehead, Makhteshim-Agan of North America, Inc.  
 John French, Sipcam Agro USA, Inc.  
 Alberto Marçon, DuPont Ag and Nutrition

- 3:00 PM Break; sponsored by  **CHEMINOVA**

- 3:15 PM **Latest Results of Fungicide & Biocontrol Testing – Data from Industry (continued)**  
 Brian Olson, Dow AgroSciences, LLC  
 Robert Noon, Cheminova  
 James Bloomberg, Bayer CropScience  
 Ted Bardinelli, BASF Corp.  
 Brett Highland, AgraQuest, Inc.  
**Open Discussion/Q&A**

- 4:15 PM Break

- 4:30 PM **Session Two Continued: Soybean Rust Management - Fungicides** / East Ballroom  
*Don Hershman, University of Kentucky - Session Coordinator/Moderator*  
**Summaries of University Fungicide Efficacy Trials**  
 North – Marty Draper, South Dakota State University  
 South – Bob Kemerait, University of Georgia  
**Fungicide Application Technology**  
 Results from US Trials – Monte Miles, USDA ARS  
 Aerial Application Strategies for Soybean Rust Control – Ulisses Antuniassi, Sao Paulo State University, Brazil  
**Open Discussion/Q&A**

- 6:30 PM **Reception, Sponsor Table Top Displays and Poster Viewing** / Center Ballroom  
 Authors present at posters (6:30-7:00PM) / Dinner on your own

**Wednesday, November 16**

- 6:30 AM Continental Breakfast and Poster Viewing / Center Ballroom; sponsored by

- 8:00 AM **Session Two Continued: Soybean Rust Management** / East Ballroom  
*Anne Dorrance, Ohio State University - Session Coordinator/Moderator*  
**How to Characterize Rust Strains - Genome Sequencing, Differentials**  
 Reid Fredrick, USDA ARS FDWSRU  
**Epidemiological and Host Range Studies**  
 Mo Bonde, USDA ARS FDWSRU  
**Update on Sources of Host Resistance**  
 Monte Miles, USDA ARS



- 8:45 AM **Breakout Session Two**  
 Groups will discuss strategic research needs by topic area. **Self-select your breakout by area of interest:**
- Fungicide Trials: North / East Ballroom / Facilitator-James Kurle, Recorder-Loren Giesler
  - Fungicide Trials: South / Center Ballroom / Facilitator-Jim Marois, Recorder-Don Hershman
  - Application Technology / Music City Ballroom (Level 2) / Facilitator-Monte Miles, Recorder-Marty Draper
  - Germplasm Enhancement / Fisk One (Level 2) / Facilitator-Erik Stromberg, Recorder-Craig Grau
  - Pathogen Biology / Fisk Two (Level 2) / Facilitator-Reid Fredrick, Recorder-James English



9:45 AM Break; sponsored by

10:00 AM **Session Three: Looking Towards 2006** / East Ballroom  
*Marty Draper, South Dakota State University - Session Coordinator/Moderator*

**The Rust Challenge to the Soybean Producers and CCAs**

The Southern Perspective

Billy Wayne Sellers, Baxley, Georgia  
Jim Dunphy, North Carolina State University

The Northern Perspective

Jim Sallstrom, United Soybean Board Production Committee Chair  
Steve Dlugosz, Past Chairman of Certified Crop Advisor's Program

**Update on Policy Issues**

Allen Jennings – USDA ARS, National Plant Disease Recovery Program

**Crop Insurance**

Heyward Baker, USDA, Risk Management Agency

**EPA – Status of Section 18s, Will There Be More?**

Lois Rossi, Environmental Protection Agency

**Perspective of the Economic Research Service**

David Schimmelpfennig, USDA ERS

**Open Discussion/Q&A**

11:30 AM **Report from Breakout Session One: Lessons Learned** / East Ballroom

Roger Magarey, USDA APHIS PPQ CPHST

**Open Discussion/Q&A**

12:00 AM **Report from Breakout Session Two: Strategic Research Review** / East Ballroom

Glen Hartman, USDA ARS

**Open Discussion/Q&A**

12:30 PM LUNCH (Poster Viewing) / Center Ballroom; sponsored by



1:30 PM **Session Three Continued: Looking Towards 2006** / East Ballroom

*Gary Bergstrom, Cornell University - Session Coordinator/Moderator*

**USDA Transition Plan and Strategic Research Planning**

Matt Royer, USDA APHIS PPQ

Bill Hoffman, USDA CSREES

Rick Bennett, USDA ARS

**Open Discussion/Q&A**

2:15 PM **Breakout Session Three**

Groups will come up with a ranked list of recommendations, specific to their topic area, for 2006 and beyond. *Self-select your breakout by area of interest:*

- Diagnostics / East Ballroom / Facilitator-Karen Snover-Clift, Recorder-Layla Sconyers
- Prediction/Detection Systems / Center Ballroom / Facilitator-Erick De Wolf, Recorder-Julie Golod
- Mgmt-Fungicides & Biocontrols / Fisk One (Level 2) / Facilitator-Bob Kemerait, Recorder-Mel Newman
- Pathogen Biology / Fisk Two (Level 2) / Facilitator-Mo Bonde, Recorder-John Rupe
- Germplasm Enhancement / Music City Ballroom (Level 2) / Facilitator-Greg Shaner, Recorder-Dechun Wang
- Policy/Insurance / Ryman One (Level 3) / Facilitator-Marty Draper, Recorder-Ed Ready

3:15 PM **Report from Breakout Session Three** / East Ballroom

**Open Discussion/Q&A**

Group Facilitators

4:00 PM Symposium Adjourns

*Additional Sponsors include:*



**Symposium Proceedings**

Proceedings of the National Soybean Rust Symposium presentations and posters will be hosted shortly after the meeting by the PLANT MANAGEMENT NETWORK in the publicly available Soybean Rust Info Center at [www.plantmanagementnetwork.org/infocenter/topic/soybeanrust](http://www.plantmanagementnetwork.org/infocenter/topic/soybeanrust)

