

2007 National Soybean Rust Symposium

Presented by APS in cooperation with related organizations

Program

Administrative Sponsors

Wednesday, December 12, 2007

- 5:00 PM Registration Opens
6:00 PM Poster Set-up
8:00 PM Poster Viewing / Reception, sponsored by
10:00 PM Poster Viewing Closes



Thursday, December 13, 2007

- 6:30 AM Registration Opens
6:30 AM Continental Breakfast and Poster Viewing, sponsored by
8:00 AM **Welcome, Introductions, Purpose and History**
Raymond Schneider, Louisiana State University



- 8:05 AM **Keynote Address**
Eldon Gould, USDA-RMA
8:20 AM **General Session: Soybean Rust in 2007**

- **Overview of Soybean Rust in North America**
Carl Bradley, University of Illinois
- **Overview of Soybean Rust in Argentina**
Dardo Escobar, Secretary of Agriculture, Livestock, Fish & Food
- **Overview of Soybean Rust and Cropping Systems in Mexico**
Barrera Farias, Centro Nacional de Referencia Fitosanitaria
- **Open Discussion/Q&A**

- 10:00 AM Break, sponsored by



- 10:20 AM **General Session: Disease Control**

- **Fungicides and Their Time of Application for Control of Soybean Rust**
Tristan Mueller, University of Florida
- **Fungicide Application Technology**
Richard Derksen, USDA-ARS
- **Fundamental Aspects of Development of Resistance to Fungicides**
Eric Tedford, Syngenta Crop Protection
- **Management of Fungicide Resistance: A Case Study**
Gary Secor, North Dakota State University
- **Open Discussion/Q&A**

- 12:00 PM Lunch / Poster Viewing, sponsored by



- 1:15 PM **General Session: Advances in Biology of the Pathogen**


- **Adhesion and Rainfall Washoff of Urediniospores on Soybean Leaves**
N. S. Dufault, The Pennsylvania State University
Maria C. Velez-Climent, The Pennsylvania State University
- **Spread of Soybean Rust Within a Field – What Happens After the Spores Arrive**
Dario Narvaez, University of Florida
- **Winter Survival of *Phakopsora pachyrhizi* on Kudzu in Florida**
Wayne Jurick, University of Florida
- **Latest Developments on Alternative Hosts**
Morris Bonde, USDA-ARS
Glen Hartman, USDA-ARS
- **Open Discussion/Q&A**

- 2:55 PM Break, sponsored by



- 3:10 PM **General Session: Epidemiology, Physiology and Yield Loss Assessment**
- **Crop Physiology: Yield, Maturity Groups, and Growth Stages**
Palle Pedersen, Iowa State University
 - **Development of a Yield Loss Prediction Model for Asian Soybean Rust**
Saratha Kumudini, University of Kentucky
 - **Physiology of Yield Loss: Examples with Other Rusts**
Greg Shaner, Purdue University
 - **Movement of Rust as Determined by Remote Sensing**
Forrest Nutter, Iowa State University
 - **Spatial and Temporal Analyses of Soybean Rust**
Michael Livingston, USDA-ERS
 - **Epidemiological Models of Spread of Soybean Rust in the Southeast**
Harald Scherm, University of Georgia
 - **Open Discussion/Q&A**
- 6:00 PM **Reception, Sponsor Table Top Displays and Poster Viewing**
Authors present at posters (6:00-7:00PM) / Dinner on your own
- 7:30 PM **Concurrent Evening Session A: Policies and Potpourri**
- **Current Perspectives from USDA-CSREES**
Marty Draper, USDA-CSREES
 - **The IPM-PIPE Program**
Don Hershman, University of Kentucky
 - **Asian Soybean Rust in the USA: Ag Industry Perspective**
James Bloomberg, Bayer CropScience
 - **Evaluation of Sentinel Plot Protocols and Plans for 2008**
Julie Golod, The Pennsylvania State University
 - **Open Discussion/Q&A**
- 7:30 PM **Concurrent Evening Session B: Report from the Front Line: Experiences from Veterans**
- **Extension Specialist**
Tom Isakeit, Texas A&M University
John Damicone, Oklahoma State University
 - **Growers**
Ken Dalenberg, Illinois
Billy Wayne Sellers, Georgia
 - **Crop Consultants**
Kevin Black, Growmark, Inc.
Blaine Viator, Calvin Viator and Associates, LLC
 - **Open Discussion/Q&A**

Friday, December 14, 2007

- 6:30 AM Continental Breakfast and Poster Viewing, sponsored by  **CHEMINOVA**
- 7:45 AM **General Session: Sentinel Plots, Spore Trapping, and Disease Forecasting**
- **Overviews and Value of Sentinel Plots for 2007**
Loren Giesler, University of Nebraska
 - **Spore Trapping Technology and Results from 2007**
Les Szabo, USDA-ARS
 - **Disease Forecasting and the SBR Ensemble Forecasting Program in 2007**
Scott Isard, The Pennsylvania State University
X. B. Yang, Iowa State University
Joseph Russo, ZedX, Inc.
 - **Open Discussion/Q&A**
- 9:30 AM Break

9:45 AM

General Session: Disease Resistance and the Infection Process

- **Evaluation of Soybean Germplasm Collections for Disease Reaction and Prospects for Development of Disease Resistant Varieties**
David Walker, USDA-ARS
- **Development of Disease Resistant Varieties in Brazil**
Austeclinio L. de Farias Neto, Embrapa Cerrados
- **Resistance to Soybean Rust in Dry Beans**
Talo Pastor-Corrales, USDA-ARS
- **Mapping Soybean Rust Single Gene Resistance**
David Hyten, USDA-ARS
- **Rpp-Mediated Gene Expression in Resistant and Susceptible Rust Interactions**
Kathy Schneider, USDA-ARS
Martijn van de Mortel, Iowa State University
- **Proteomic Analysis of Resistant and Susceptible Soybean Lines**
Zhiyuan Chen, Louisiana State University
- **Proteomic Analysis of Soybean Rust Urediniospores**
Doug Luster, USDA-ARS
- **Open Discussion/Q&A**

12:30 PM

Closing Comments / Symposium Adjourns

ENVIROLOGIX



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Please Note: The sessions for this program are subject to change. The National Soybean Rust Symposium Technical Committee reserves the right to adjust sessions to best reflect current conditions up to the start of the meeting. For planning purposes, no adjustments will be made to the start and finish times of the events/sessions listed. Thank you.

Organizers

Special thanks to the Technical Committee Members and their organizations for their collaboration and support on this important event. Raymond Schneider, Louisiana State University (Coordinator), Gary Bergstrom, Cornell University; Carl Bradley, University of Illinois; Anne Dorrance, The Ohio State University; Marty Draper, USDA-CSREES; Reid Frederick, USDA-ARS; Mark Halsey, USB; Carrie Harmon, University of Florida; Glen Hartman, USDA-ARS; Don Hershman, University of Kentucky; Clayton Hollier, Louisiana State University; Scott Isard, The Pennsylvania State University; Bob Kemerait, University of Georgia; Jan Leach, Colorado State University; Jim Marois, University of Florida; John Rupe, University of Arkansas; David Wright, NCSRP/Iowa Soybean Association; and David Walker, USDA-ARS.

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