

2009 National Soybean Rust Symposium PROGRAM

December 9 – 11, 2009

Astor Crowne Plaza Hotel • New Orleans, Louisiana

Presented by



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Welcome to the 2009 National Soybean Rust Symposium and Historic New Orleans!

Here, in this little corner of the American South, where European traditions blend with Caribbean influences, the history is as colorful as the local architecture; the food, especially the gumbo, is the stuff of legend. This majestic city is also just a mere 80 miles from where Asian soybean rust was first confirmed in the continental United States.

From “Best Management Practices” with fungicides to cloning the Rpp4 gene, U.S. scientists have discovered much, in just five years, about a once feared invasive pathogen. Much of this work will be highlighted at this historic event. We hope you enjoy the symposium as much as we have enjoyed bringing it to you.

A special Louisiana style thank you goes out to all the sponsors of this year’s symposium; many of which have been sponsors since our first gathering in 2005. This symposium would not be possible without your dedicated support.

Enjoy the symposium. And while you’re here...enjoy New Orleans!

Anne Dorrance, Ohio State University, 2009 National Soybean Rust Symposium Chair

David Wright, Iowa Soybean Association, Technical Program Committee Chair

2009 National Soybean Rust Symposium Program

Note: Posters will be on display Wednesday – Thursday in Grand Ballroom A - C. See the enclosed abstract booklet for details.

Wednesday, December 9, 2009



1:00 – 8:00 p.m.	Registration	Grand Gallery
3:00 – 6:00 p.m.	Opening General Session <i>Moderator: Anne Dorrance</i> 3:00 p.m. Welcome and Introductions Anne Dorrance, <i>Ohio State University</i> 3:15 p.m. Status of Soybean Rust in the Midsouthern United States Tom Allen, <i>Mississippi State University</i> 3:45 p.m. Status of Soybean Rust in Brazil Dr. Francisco Xavier Ribeiro do Vale (Chico), <i>Federal University of Viçosa</i> 4:15 p.m. Integration of Foliar Fungicides into Soybean Rust Management Programs in the United States Ed Sikora, <i>Auburn University</i> 4:45 p.m. Light Penetration into the Soybean Canopy and Its Influence on Soybean Rust Infection Jim Marois, <i>University of Florida</i> 5:15 p.m. Changes in 2010 Sentinel Plot System Don Hershman, <i>University of Kentucky</i> 5:45 p.m. Discussion	Grand Ballroom D
5:00 – 6:30 p.m.	Poster Set-Up and Sponsor Set-Up	Grand Ballroom A - C
6:00 – 8:00 p.m.	Dinner Break (on your own)	
8:00 – 10:00 p.m.	Dessert Reception with Poster Viewing and Sponsor Displays	Grand Ballroom A - C




Thursday, December 10, 2009

7:00 – 8:00 a.m.	Hot Buffet Breakfast	Grand Ballroom A - C
7:30 – 3:00 p.m.	Registration	Grand Gallery
8:00 a.m. – 12:00 p.m.	General Session - Major Achievements in Rust Research <i>Moderator: David Wright</i> 8:00 a.m. Welcome and Introduction David Wright, <i>Iowa Soybean Association</i> 8:40 a.m. Latent Infection, Fungicide Efficacy and the Need for Predictive Models Ray Schneider, <i>Louisiana State University</i> 9:00 a.m. Advances in Predictive Modeling Scott Isard, <i>Pennsylvania State University</i> 9:40 a.m. Cloning, Mapping and Identification of Rpp Genes Michelle Graham, <i>USDA-ARS</i>	Grand Ballroom D



10:10 – 10:30 a.m.	Break <i>Moderator: Daren Mueller</i> 10:30 a.m. Genetic Diversity in Kudzu Phil Harmon, <i>University of Florida</i> 11:00 a.m. Asian Soybean Rust: Stealth Fighter and Battering Ram Steve Whitham, <i>Iowa State University</i> 11:30 a.m. Advances in Monoclonal Antibody Development Doug Luster, <i>USDA-ARS</i>	 Bayer CropScience Grand Gallery
12:00 – 2:30 p.m.	Buffet Lunch with Poster Viewing and Sponsor Displays Authors present at posters from 1:15 – 2:15 p.m.	 United Soybean Board Making Your Checkoff Pay Off. Grand Ballroom A - C
2:30 – 6:00 p.m.	General Session - Challenges to Managing Soybean Rust <i>Moderator: Leonor Leandro</i> 2:30 p.m. Challenges with Single Gene Resistance Chris Mundt, <i>Oregon State University</i> 3:00 p.m. Use and Deployment of Rpp Genes Chris Mundt, <i>Oregon State University</i> 3:30 p.m. Changes in Performance of Soybean Rust Fungicides Over Years and New Management Strategies Adopted in Brazil Claudia Godoy, <i>EMBRAPA</i> 4:00 p.m. Rust Phylogenetics Cathy Aime, <i>Louisiana State University</i> 4:30 p.m. Genetic Diversity and Phylogeny of Asian Soybean Rust Isolates within the U.S. and Abroad Xuecheng Zhang, <i>University of Missouri</i> 5:00 p.m. Identification and Development of Soybean Rust-resistant Germplasm David Walker, <i>USDA-ARS</i> 5:30 p.m. Discussion	Grand Ballroom D
3:00 – 7:00 p.m.	Poster and Sponsor Take-Down	Grand Ballroom A - C
6:00 p.m.	Dinner (on your own) and Free Evening	
6:00 – 9:00 p.m.	Southern Soybean Research Program Board Meeting and Dinner	Toulouse B Room

Friday, December 11, 2009

7:00 – 8:00 a.m.	Hot Buffet Breakfast	Grand Ballroom A - C
7:30 – 10:45 a.m.	Registration	Grand Gallery
8:00 a.m. – 12:10 p.m.	General Session – Advances in Soybean Rust Modeling <i>Moderator: Saratha Kumudini</i> 8:00 a.m. Tales from the Kudzu Patch Ed Sikora, <i>Auburn University</i> 8:20 a.m. Wheat Rust/Soybean Rust Similarities Eric DeWolf, <i>Kansas State University</i> 8:40 a.m. Strategic Positioning of Sentinel Plots Karen Garrett, <i>Kansas State University</i> 9:00 a.m. Strategic Positioning of Sentinel Plots Scott Isard, <i>Pennsylvania State University</i> 9:20 a.m. Evaluating the Wisdom of Monitoring Networks for Invasive Species: The Case of Soybean Rust Stephen Aultman, <i>University of Minnesota</i> 9:40 a.m. The "New" Disease in Texas after Four Years: Where It's Going Tom Isakeit, <i>Texas A&M University</i>	Grand Ballroom D
10:00 a.m.	Break with Question & Answer Time <i>Moderator: Kevin Black</i> 10:30 a.m. A Model for Predicting Soybean Rust Induced Yield Loss Saratha Kumudini, <i>University of Kentucky</i> 11:00 a.m. Alternative Methods to Manage Soybean Rust David Wright, <i>University of Florida</i> 11:30 a.m. Question & Answer Time and Discussion 12:00 p.m. Closing Remarks	 Arysta LifeScience Grand Gallery Grand Ballroom D

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.

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Special Thanks to the Program Organizers

Special thanks to the Technical Committee Members and their organizations for their collaboration and support on this important symposium. Anne Dorrance, Ohio State University (National Soybean Rust Symposium Chair); David Wright, Iowa Soybean Association (Technical Committee Chair); (George) Jamie Baley, Monsanto Co.; Kevin Black, Growmark, Inc.; Silvia Cianzio, Iowa State University; Marty Draper, USDA: National Institute of Food and Agriculture; Jim Dunphy, North Carolina State University; Don Hershman, University of Kentucky; Richard Joost, USB/Smith Bucklin; Bob Kemerait, University of Georgia; Leonor Leandro, Iowa State University; Jim Marios, University of Florida; Raymond S. Schneider, Louisiana State University; Roy Scott, USDA ARS; Ed Sikora, Auburn University; John Soper, Pioneer Hi-Bred; Gary Stacey, University of Missouri; Albert Tenuta, Ontario Ministry of Agriculture & Food; Eric Tedford, Syngenta Crop Protection; and David Walker, USDA: ARS

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