



FORUM PROGRAM^{*}

2007 National Fusarium Head Blight Forum
The Westin Crown Center
Kansas City, Missouri
December 2-4, 2007

FORUM Begins

Sunday, December 2nd

8:30 am-4:30 pm	REGISTRATION <i>Location: Westport Foyer</i>
9:00 am-12:45 pm	Authors set up posters <i>Location: Pershing Place</i>
1:00-1:40 pm	Welcome and Keynote Presentation <i>Location: Century C</i> Welcome Dave Van Sanford, Co-Chair U.S. Wheat & Barley Scab Initiative KEYNOTE PRESENTATION: A Model-Based Assessment of Fusarium Head Blight Outbreak Frequency under a Changing Climate Environment. José Maurício Fernandes, Embrapa, Passo Fundo, Brazil
1:40-2:25 pm	SESSION 1: FOOD SAFETY, TOXICOLOGY AND UTILIZATION OF MYCOTOXIN-CONTAMINATED GRAIN (FSTU) CHAIRPERSON: Jim Pestka, Michigan State University, East Lansing, MI, USA Plenary Talk: Economic Perspectives of Growers Facing the Challenges of FHB and DON. Felicia Wu, University of Pittsburgh, Pittsburgh, PA, USA

* All speaker sessions will be held in Century C. All poster presentations will be held in Pershing Place (North, East and West).

Sunday, December 2nd (cont.)

	<p>SESSION 1: FOOD SAFETY, TOXICOLOGY AND UTILIZATION OF MYCOTOXIN-CONTAMINATED GRAIN (cont.)</p> <p>Deoxynivalenol Measurement: Sources of Error and Sampling Recommendations. Paul Schwarz, North Dakota State University, Fargo, ND, USA</p>
2:25-3:15 pm	<p>SESSION 2: PATHOGEN BIOLOGY AND GENETICS (PBG) CHAIRPERSON: Nancy Alexander, USDA-ARS, Peoria, IL, USA</p> <p>Phenotypic and Molecular Diversity of <i>Fusarium graminearum</i> from the U.S. Liane Gale, University of Minnesota, St. Paul, MN, USA</p> <p>Life Cycle and Survival of <i>Fusarium graminearum</i>. Frances Trail, Michigan State University, East Lansing, MI, USA</p> <p>Structural and Functional Studies of Trichothecene 3-O-Acetyltransferase: Progress towards Development of an Improved Enzyme for Controlling FHB. Ivan Rayment, University of Wisconsin, Madison, WI, USA</p>
3:15 pm	<p>BREAK <i>Location: Century C Foyer</i></p>
3:30-4:30 pm	<p>SESSION 3: GENE DISCOVERY AND ENGINEERING (GDER) CHAIRPERSON: Blake Cooper, Busch Agricultural Resources, Inc. (BARI), Fort Collins, CO, USA</p> <p>Engineering Resistance to <i>Fusarium graminearum</i> using Antifungal Plant Defensins. Dilip Shah, Donald Danforth Plant Science Center, St. Louis, MO, USA</p> <p>Engineering Scab Resistance with Plant Defense Signaling Genes. Jyoti Shah, Kansas State University, Manhattan, KS, USA</p> <p>Resistance to FHB by Expression of Modified <i>L3</i> Genes in Wheat. Nilgun Tumer, Rutgers University, New Brunswick, NJ, USA</p> <p>Genes that Confer Resistance to <i>Fusarium</i>. Michael Lawton, Rutgers University, New Brunswick, NJ, USA</p>

Sunday, December 2nd (cont.)

	<p>SESSION 3: GENE DISCOVERY AND ENGINEERING RESISTANCE (cont.)</p> <p>Rapid Functional Identification of Genes contributing to FHB Resistance. Steve Scofield, USDA-ARS, West Lafayette, IN, USA</p>
3:30-4:30 pm	<p>Breakout Meeting Tebuconazole EPA Emergency Exemption: Recent Developments and 2008 Application Positioning. <i>Location: Mission</i></p>
4:30-6:15 pm	<p>Poster Session: FSTU/PBG/GDER (Authors with posters in this poster session should be at their posters from 4:30-5:30 p.m.)</p>
5:15-6:30 pm	<p>RECEPTION <i>Location: Century C Foyer/Garden Terrace/Pershing Place North</i></p>
6:30-9:00 pm	<p>DINNER AND SPECIAL PROGRAM <i>Location: Century C</i></p> <p>Remembering Tom Anderson</p>

Monday, December 3rd

6:30-8:15 am	<p>BREAKFAST – Full Breakfast Buffet (Continental Style) <i>Location: Garden Terrace</i></p>
8:30 am-4:30 pm	<p>REGISTRATION <i>Location: Westport Foyer</i></p>
8:15-10:00 am	<p>Poster Session: FHB Management (Authors with posters in this poster session should be at their posters from 8:30-9:30 a.m.)</p>
10:00 am	<p>BREAK <i>Location: Century C Foyer</i></p>
10:15 am-12:00 pm	<p>SESSION 4: FHB MANAGEMENT CHAIRPERSON: Gary Bergstrom, Cornell University</p> <p>Time of Flowering in Wheat for Managing Fusarium Head Blight. Greg McMaster, USDA-ARS, Ft. Collins, CO, USA</p> <p>Experiences in Reducing Disease and DON through Components of FHB Management. Marcia McMullen, North Dakota State University, Fargo, ND, USA</p>

Monday, December 3rd (cont.)

	<p>SESSION 4: FHB MANAGEMENT (cont.)</p> <p>A Quantitative Synthesis of the Relative Efficacy of Triazole-based Fungicides for FHB and DON Control in Wheat. Pierce Paul, Ohio State University, Wooster, OH, USA</p> <p>Aerobiology of <i>Gibberalla zeae</i>: Whence come the Spores for FHB? Gary Bergstrom, Cornell University, Ithaca, NY, USA</p>
12:00 pm	<p>LUNCH</p> <p><i>Location: Century B</i></p>
1:30-3:30 pm	<p>FOCUSED GROUP DISCUSSIONS (Research Area): Implementation of USWBSI Action Plan and communicating results in the real world (i.e. website, etc.).</p> <ul style="list-style-type: none"> ❖ MGMT - <i>Location: Brookside</i> Facilitators: Stephen Neate and Christina Cowger ❖ GDER - <i>Location: Ambassadors</i> Facilitators: Blake Cooper and Steve Scofield ❖ FSTU - <i>Location: Congressional</i> Facilitators: Jim Pestka and Paul Schwarz ❖ PBG - <i>Location: Mayors</i> Facilitators: Frances Trail and Bob Bowden ❖ VDHR – Spring Wheat, Northern Winter Wheat and Southern Winter Wheat <i>Location: Century C</i> Facilitators: David Garvin, Clay Sneller and Paul Murphy
3:30 pm	<p>BREAK</p> <p><i>Location: Century C Foyer</i></p>
3:30-5:30 pm	<p>Poster Session: Variety Development and Host Resistance (Authors with posters in this poster session should be at their posters from 3:45-5:00 p.m.)</p>
5:00-6:00 pm	<p>RECEPTION</p> <p><i>Location: Century C Foyer/Garden Terrace/Pershing Place North</i></p>
6:00 pm	<p>Session Adjourns <i>Participants are on their own for dinner.</i></p>

Monday, December 3rd (cont.)

7:30-9:30 pm	Genotyping Centers – Breeders meet with scientists from the genotyping labs. <i>Location: Liberty</i>
8:00-10:00 pm	Evening Breakout Meetings: ❖ Forecasting Models – <i>Location: Shawnee</i> ❖ Techs and Grad Students – <i>Location: Mission</i>

Tuesday, December 4th

6:30-8:15 am	BREAKFAST – Full Breakfast Buffet (Continental Style) <i>Location: Pershing Place South</i>
7:15-9:00 am	FOCUSED GROUP DISCUSSIONS (Commodity-based Coordinated Projects): Implementation of USWBSI Action Plan and communicating results in the real world (i.e. website, etc.). ❖ Barley - Location: The Board Room Facilitators: Mike Davis and Richard Horsley ❖ Durum - Location: Presidents Facilitator: Elias Elias ❖ Hard Winter Wheat - Location: Independence Facilitator: Stephen Baenziger
9:00-11:35 am	SESSION 5: VARIETY DEVELOPMENT AND HOST RESISTANCE CO-CHAIRPERSONS: Mohamed Mergoum, North Dakota State University, Fargo, ND, USA and Gina Brown-Guedira, USDA-ARS, Raleigh, NC, USA Plenary 1: Solving the FHB Problem: Growers, Export Market, and Wheat Commodity Perspectives. Jim Peterson, ND Wheat Commission, Bismarck, ND, USA Plenary 2: Use of Association Mapping and Other Tools to Address FHB Challenges. Curtis Pozniak, University of Saskatoon, Alberta, Canada
10:00 am	REFRESHMENT BREAK <i>Location: Century C Foyer</i>

Tuesday, December 4th (cont.)

10:20 am	<p>SESSION 5: VARIETY DEVELOPMENT AND HOST RESISTANCE (cont.)</p> <p>Breeding for FHB Resistance in Winter Wheat: What's Ahead? Anne McKendry, University of Missouri, Columbia, MO, USA</p> <p>Searching for New FHB Sources of Resistance in the Relatives of Wheat. Steve Xu, USDA-ARS, Fargo, ND, USA</p> <p>Use of MAS for FHB Resistance: Is it working for Wheat Breeders? Jim Anderson, University of Minnesota, St Paul, MN, USA</p> <p>Strategies for Breeding FHB Wheat in Canada. Gavin Humphreys, Agriculture and Agri-Food Canada, Winnipeg, Manitoba, Canada</p> <p>Facing the FHB Challenges to Malting Barley and Brewing through Barley Breeding. Linnea Skoglund, Busch Agricultural Resources Inc., Ft Collins, CO, USA</p>
11:35 am-12:00 pm	Forum Wrap-up and Closing Remarks

POST FORUM MEETINGS

1:00-5:00 pm	<p>USWBSI Steering Committee (SC) Meeting (Closed meeting - SC members only)</p> <p><i>Location: Pershing South</i></p> <p>(Lunch for SC will be held in Independence from 12:00-1:00 pm)</p>
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(Other groups meeting in conjunction with the USWBSI)

1:30-5:00 pm	<p>Wheat Crop Germplasm Committee Meeting</p> <p><i>Location: Presidents</i></p>
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Wednesday, December 5th

8:00 am-5:00 pm	<p>National Wheat Improvement Committee Meeting</p> <p><i>Location: Liberty</i></p>
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