

FORUM PROGRAM



2012 National Fusarium Head Blight Forum
Wyndham Orlando Resort
Orlando, FL, USA
December 4-6, 2012



U.S. Wheat & Barley
Scab Initiative

Welcome to the 2012 National Fusarium Head Blight Forum!

Forum Packet

The following items are included in the Forum packet:

- ✓ Forum Program;
- ✓ Name Badge (Serves as ticket for meals, receptions and refreshment breaks; please wear at all times);
- ✓ List of Forum Participants;
- ✓ List of submitted posters sorted by research session and poster number;
- ✓ List of submitted posters sorted by corresponding author and proceeding page number;
- ✓ Poster Room Layout;
- ✓ Layout of Meeting Space;
- ✓ Announcement for 2012 National FHB Forum; and
- ✓ Suggestion Form

Meals & Refreshment Breaks

The following meals are covered by the registration fee:

- ❖ Tuesday, 12/4:
 - PM Refreshment Break
 - Reception: Complimentary beer, wine and non-alcoholic beverages; cash bar for well drinks
 - Dinner - 6:30-8:00 pm
- ❖ Wednesday, 12/5:
 - Breakfast – 6:30-8:15 am
 - Lunch – 12:15-1:30 pm
 - AM and PM Refreshment Breaks
 - Reception: Complimentary beer, wine and non-alcoholic beverages; cash bar for mixed drinks
- ❖ Thursday, 12/6:
 - Breakfast – 6:30-8:15 am
 - AM Refreshment Break

Proceedings

You should have received a copy of the proceedings when you checked in at the registration desk. If you did not receive a copy, please contact a staff member. Additional copies may be purchased for \$18.00.

Posters

Authors may set up their posters in Palms Ballroom B-D from 9:30 a.m. – 12:45 on Tuesday, December 4th. Posters must be setup prior to poster session. Although there are designated poster sessions (see below), posters should remain up throughout the duration of the Forum.

Poster Sessions

MGMT, FST and
& Other Papers

Time

Tuesday, Dec. 4th, 4:30-6:00 pm

Authors should be at their posters 4:45-5:30 pm

VD-HPR

Wednesday, Dec. 5th, 9:55-11:25 am

Authors should be at their posters 10:15-11:00 am

PBG and GDER

Wednesday, Dec. 5th, 4:15-5:45 pm

Authors should be at their posters 4:30-5:15 pm

Hotel Amenities/Info

- Check-in: 4:00 PM; Check-out: 12:00 PM
- Free High Speed Internet access in rooms for Forum Participants as well as Wyndham by Request members
- Business Center
- 3 outdoor pools; Health Club; Jogging Path and Game Room
- ATM
- Onsite Restaurants: Augustine's Bar and Grill, Augustine's Deli and Gatorville Poolside Bar and Grill, and Screams Ice Cream Parlor
- Free shuttle service to and from Universal Studios and Sea World theme parks
- Wyndham Orlando Resort – 8001 International Drive, Orlando, FL 32819

Important Phone Numbers

Forum Office – 517-290-5023

Wyndham Orlando Resort – 407-351-2420

If you have any questions or need assistance, please ask any Forum staff member (look for blue ribbon on name badge).



PROGRAM

2012 National Fusarium Head Blight Forum*

December 4-6, 2012

Wyndham Orlando Resort
Orlando, Florida USA

FORUM Begins

Tuesday, December 4th

8:30 am-5:00 pm	REGISTRATION <i>Location: Palms Ballroom Prefunction – near Palms C-D</i>
9:30 am-12:45 pm	Authors set up posters <i>Location: Palms Ballroom B-D</i>
1:00-1:30 pm	Welcome and Keynote Speaker <i>Location: Palms Ballroom E</i> Welcome Dave Van Sanford, University of Kentucky, Lexington, KY, USA Co-Chair, U.S. Wheat & Barley Scab Initiative <i>Fishing vs. Scab?</i> John Weinand, North Dakota Grain Growers Association, Mandan, ND, USA
1:30-3:00 pm	SESSION 1: FHB MANAGEMENT (MGMT) CO-CHAIRPERSONS: Gary Bergstrom, Cornell University and Gene Milus, University of Arkansas <i>Location: Palms Ballroom E</i> <i>Can we Effectively Control Scab and DON Levels in Large Scale Commercial Farming?</i> Chris Bowley, Wheat Tech, Inc., Russelville, KY, USA

* All speaker sessions will be held in Palms Ballroom E. All poster presentations will be held in Palms Ballroom B-D. Forum Office is located in Azalea B.

Tuesday, December 4th (cont.)

1:30-3:00 pm	SESSION 1: FHB MANAGEMENT (cont.) <i>Known Knowns and Known Unknowns: Assessing Adoption of Scab Management Tools</i> Christina Cowger, USDA-ARS, Raleigh, NC, USA <i>FHB Management: Progress and Possible Knowledge Gaps</i> Erick DeWolf, Kansas State University, Manhattan, KS, USA <i>Management of FHB in Spring Grains - Lessons Learned, Past Successes, Future Needs</i> Marcia McMullen, North Dakota State University, Fargo, ND, USA
3:00 pm	BREAK <i>Location: Palms Ballroom E Foyer</i>
3:30-4:30 pm	SESSION 2: FOOD SAFETY AND TOXICOLOGY (FST) CHAIRPERSON: Jim Pestka, Michigan State University <i>Location: Palms Ballroom E</i> <i>DON – Past, Present and Future</i> David Miller, Carleton University, Ottawa, ON, CANADA <i>Quality Assurance Issues in DON Testing</i> Paul Schwarz, North Dakota State University, Fargo, ND, USA
4:30-6:00 pm	Poster Session 1: MGMT, FST and Other Papers (Authors with posters in this poster session should be at their posters from 4:45-5:30 pm) <i>Location: Palms Ballrooms B-D</i>
5:30-6:30 pm	RECEPTION <i>Location: Inside Palms Ballroom C and Palms Ballroom D Foyer</i>
6:30-8:00 pm	DINNER <i>Location: Palms Ballrooms F-H</i>
8:00-9:30 pm	Winter Wheat TCAP <i>Location: Executive Boardroom</i>

Wednesday, December 5th

6:30-8:15 am	BREAKFAST – Full Breakfast Buffet <i>Location: Palms Ballroom F-H</i>
8:00 am-4:30 pm	REGISTRATION <i>Location: Forum Office – Azalea B</i>

Wednesday, December 5th *(cont.)*

8:15-9:40 am	<p>SESSION 3: VARIETY DEVELOPMENT AND HOST PLANT RESISTANCE (VD-HPR) CO-CHAIRPERSONS: Fred Kolb, University of Illinois and Jochum Wiersma, University of Minnesota – Crookston <i>Location: Palms Ballroom E</i></p> <p><i>Overview of Breeding for FHB Resistance in Wheat – Where We’ve Come From and Where We Are</i> Jim Anderson, University of Minnesota, St. Paul, MN, USA</p> <p><i>Is the Fusarium Head Blight Resistance in Truman Soft Red Winter Wheat Novel?</i> Anne McKendry, University of Missouri, Columbia, MO, USA</p> <p><i>Impact of Private Breeding Effort on Resistance to Fusarium Head Blight in Soft Wheat</i> Bill Lasker, Pioneer Hi-bred International, Windfall, IN, USA</p>
9:40 am	<p>BREAK <i>Location: Palms Ballroom E Foyer</i></p>
9:55 am-11:25 am	<p>Poster Session 2: VD-HPR (Authors with posters in this poster session should be at their posters from 10:15-11:00 am) <i>Location: Palms Ballroom B-D</i></p>
11:25 am-12:15 pm	<p>SESSION 3: VARIETY DEVELOPMENT AND HOST PLANT RESISTANCE (cont.) <i>Location: Palms Ballroom E</i></p> <p><i>Genotype by Sequencing and Marker Assisted Selection: Breaking the Bottleneck</i> Robert Brueggeman, North Dakota State University, Fargo, ND, USA</p> <p><i>Genetic Analysis of Fusarium Head Blight Resistance in Tunisian-derived Durum Wheat Populations</i> Shahryar Kianian, North Dakota State University, Fargo, ND, USA</p>
12:15-1:30 pm	<p>LUNCH <i>Location: Palms Ballroom F-H</i></p>
1:30-2:45 pm	<p>FOCUSED GROUP DISCUSSIONS</p> <p>❖ FHB Management (MGMT) <i>Location: Orange</i> Facilitator: Erick DeWolf</p>

Wednesday, December 5th (cont.)**1:30-2:45 pm****FOCUSED GROUP DISCUSSIONS (cont.)**

- ❖ **Food Safety, Toxicology & Utilization of Mycotoxin-contaminated Grain (FSTU)**
Location: Siesta Key
Facilitator: Paul Schwarz
- ❖ **Gene Discovery & Engineering Resistance (GDER)**
Location: Marathon Key
Facilitator: Gary Muehlbauer
- ❖ **Pathogen Biology & Genetics (PBG)**
Location: Cedar Key
Facilitator: David Schmale
- ❖ **Variety Development and Host Resistance (VDHR) – Northern Soft Winter Wheat (NWW)**
Location: Palms Ballroom E
Facilitator: Clay Sneller
- ❖ **VDHR – Southern Soft Red Winter Wheat (SWW)**
Location: Hibiscus
Facilitator: Jose Costa
- ❖ **VDHR – Spring Wheat Coordinated Project (SPR)**
Location: Oleander B
Facilitator: Jochum Wiersma

2:45-4:00 pm**FOCUSED GROUP DISCUSSIONS – Research Areas and VDHR-Spring Wheat will continue their group discussions along with the following:**

- ❖ **Barley Coordinated Project (BAR-CP)**
Location: Palms Ballroom I
Facilitator: Robert Brueggeman
- ❖ **Durum Coordinated Project (DUR-CP)**
Location: Executive Boardroom
Facilitators: Steven Xu
- ❖ **Hard Winter Wheat Coordinated Project (HWW-CP)**
Location: Largo Key
Facilitator: Bill Berzonsky
- ❖ **VDHR –Soft Winter Wheat Coordinated Projects Joint Meeting**
Location: Palms Ballroom E
Facilitators: Clay Sneller and Jose Costa

Wednesday, December 5th *(cont.)*

2:45-4:00 pm	FOCUSED GROUP DISCUSSIONS <i>(cont.)</i> ❖ GDER and PBG Joint Meeting (3:15-4:00 PM) <i>Location: Marathon/Cedar Keys</i> <i>Facilitators: Gary Muehlbauer and David Schmale</i>
4:00-4:15 pm	BREAK <i>Location: Palms Ballroom E Foyer</i>
4:15-5:45 pm	Poster Session 3: PBG and GDER (Authors with posters in this poster session should be at their posters from 4:30-5:15 pm) <i>Location: Palms Ballroom B-D</i>
5:15-6:15 pm	RECEPTION <i>Location: Inside Palms Ballroom C and Palms Ballroom D Foyer</i>
6:15 pm	Session Adjourns <i>Participants are on their own for dinner.</i>

Thursday, December 6th

6:30-8:15 am	BREAKFAST – Full Breakfast Buffet <i>Location: Palms Ballroom F-H</i>
8:30-10:00 am	SESSION 4: PATHOGEN BIOLOGY AND GENETICS CHAIRPERSON: Jin-Rong Xu, Purdue University <i>Location: Palms Ballroom E</i> <i>The Impact of the Fusarium graminearum Genome Sequence on the Quest for Control of Head Blight</i> Frances Trail, Michigan State University, East Lansing, MI, USA <i>Regulation of Mycotoxin Production and Kinome Analysis in Fusarium graminearum</i> Chenfang Wang, Northwest A & F University, Yangling, Shaanxi Province, CHINA <i>Comparative Genomics Reveals New Insights into the Evolution of Fusarium Pathogenesis in Wheat</i> Kemal Kazan, CSIRO Plant Industry, Inc., Brisbane, Queensland, AUSTRALIA
10:00-10:20 am	BREAK <i>Location: Palms Ballroom E Foyer</i>

Thursday, December 6th (cont.)

10:20-11:50 am	<p>SESSION 5: GENE DISCOVERY AND ENGINEERING RESISTANCE</p> <p>CHAIRPERSON: Nilgun Tumer, Rutgers University <i>Location: Palms Ballroom E</i></p> <p><i>Developing Fusarium Head Blight Resistant Wheat</i> Gary Muehlbauer, University of Minnesota, St. Paul, MN, USA</p> <p><i>Genetic and Genomic Approaches for Managing Fusarium Pathogens Causing Head Blight and Crown Rot in Wheat</i> Kemal Kazan, CSIRO Plant Industry, Inc., Brisbane, Queensland, AUSTRALIA</p> <p><i>Lipid Transfer Proteins Confer Resistance to Trichothecenes</i> Anwar Bin-Umer and John McLaughlin, Rutgers University, New Brunswick, NJ, USA</p>
11:50 am	<p>TAKING CARE OF BUSINESS AND CLOSING REMARKS</p> <p><i>Location: Palms Ballroom E</i></p> <p>Art Brandli, USWBSI Co-Chair</p>
12:00 pm	FORUM ADJOURNS
POST FORUM MEETINGS	
1:00-4:30 pm	<p>USWBSI Steering Committee (SC) Meeting (Closed meeting - SC members only)</p> <p><i>Location: Oleander A</i></p>

Organized by:



U.S. Wheat & Barley
Scab Initiative