

2025 National FHB Forum

December 7-9 + Denver, CO



Presenting the 2025

PROGRAM LINEUP

Welcome & Overview



Ruth Dill-Macky
USWBSI Researcher
Co-Chair, University of
Minnesota

Keynote Presentation



Richard Horsley
North Dakota State University
Design, Analyze, and Predict:
Open-Source Tools to
Advance Breeding and
Screening for FHB Resistance

Industry Perspective



Molly Miller
North American Millers'
Association (NAMA)
Industry Relationships with
Research Are More
Important Than Ever

Closing Remarks



Richard Magnusson
USWBSI Grower Co-Chair,
Magnusson Farms

+ USWBSI Impacts & Insights: Strategic FHB Research Outcomes and Emerging Needs Session +

MGMT/IM-CP



Pierce Paul
Ohio State University
More Fungicides Than Ever for
FHB/DON Management: How
Good are They?

FST



Mark Busman
USDA-ARS
Food Safety and Toxicology:
Research Accomplishments
and Analytical Support

GDER



Harold Trick
Kansas State University
An Overview of the GDER:
Recent Accomplishments
and Future Directions

PBG



Guixia Hao
USDA-ARS
An Update for Pathogen Biology
and Genetics (PBG):
Accomplishments and
Challenges

VDHR - Wheat



Rick Boyles
Clemson University
Variety Development to
Improve Wheat's Resistance to
Fusarium Head Blight:
Tremendous Progress with
Some Unfinished Business

BAR-CP



Mitch Elmore
USDA-ARS
Barley Coordinated Project:
Recent Accomplishments
and Future Priorities

+ Research Area General Sessions +

GDER



Vijay Tiwari
University of Maryland
Genomics tools and
germplasm resources to
enhance FHB-resistance
genes in wheat

MGMT



Darcy Telenko
Purdue University
Research Needs in Organic
Grain Production

FST



Silvia Gartz
University of Aberdeen,
Scotland
Mycotoxins and Masked
Mycotoxins as Potential
Food Safety Risks

VDHR



Cristiano Lemes
Corteva
Corteva Hybrid Wheat and
FHB Resistance

PBG



Chris Blackman
University of Toronto
The Pan-genomic
Effectome of the *Fusarium*
Sambucinum Species
Complex

PBG



Jin-Rong Xu
Purdue University
Regulation of DON
Biosynthesis

MGMT



Alyssa Collins
Penn State University
Challenges and
Complications of Diverse
Farming Systems for FHB
Management

GDER



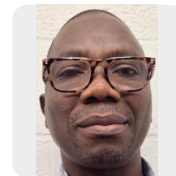
Gary Muehlbauer
University of Minnesota
How a Barley UDP-
glucosyltransferase Helps
the Plant Fight *Fusarium*
and Its Toxins

MGMT



Kaliramesh Silveru
Kansas State University
Understanding Approaches
to Non-thermal Grain
Decontamination

VDHR



Moshood Bakare
Virginia Tech
The Effect of Weather
Conditions on Flowering on
Selecting for Loci that
Contribute to Durable
Resistance

Research Area Acronyms

FST - Food Safety & Toxicology
GDER - Gene Discovery and Engineering Resistance
MGMT/IM-CP - FHB Management/Integrated Management
PBG - Pathogen Biology and Genetics
VDHR - Variety Development and Host Resistance