

2024 NATIONAL FHB FORUM



December 8-10, 2024 :: Austin, Texas :: scabusa.org/forum24

Presenting the 2024 ::

PROGRAM LINEUP

Welcome & Overview



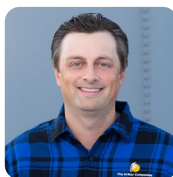
Ruth Dill-Macky, USWBSI
Researcher Co-Chair,
University of Minnesota

Keynote Presentation



Gary Bergstrom, Professor
Emeritus, Cornell University
A Field Pathologist's
Insights on Fusarium Head
Blight: Four Decades and
Still Learning

Industry Perspective



James Burgum, CEO,
The Arthur Companies
Supply Chain Solutions,
Vision for the Future

Closing Remarks



Richard Magnusson,
USWBSI Grower Co-Chair,
Magnusson Farms

USDA-ARS Intramural Research Highlights Session

VDHR/GDER



Mary Guttieri, Research
Plant Geneticist, USDA-ARS
Germplasm Development
for FHB Resistance in
USDA-ARS

FST



Mark Busman, Research
Chemist, USDA-ARS
Prevention, Mitigation and
Detection of Mycotoxins in
Wheat and Barley

VDHR/GDER



Andy Read, Research
Geneticist, USDA-ARS
A Brief History of the Hard
Red Spring Wheat Uniform
Regional Scab Nursery

PBG



Mickey Drott, Research
Plant Pathologist, USDA-ARS
The Pan-secondary
Metabolome of *Fusarium
graminearum* Points to New
Mycotoxins and Virulence
Factors

Continued – Research Area General Sessions on Page 2

General Sessions

FST



Kai Zhang, Research Chemist, U.S. Food and Drug Administration
Challenges and Future State for Mycotoxin Analysis - A Review from a Regulatory Perspective

GDER



Rong Di, Assistant Professor, Rutgers University
Transformation and Editing in Barley for FHB Research

GDER



Shyam Solanki, Assistant Professor, South Dakota State University
Mapping the Spatial Expression Atlas of Wheat's Cellular Defense Against FHB

GDER



Gopal Subramaniam, Research Scientist, Agriculture Canada
Proximity-dependent Biotinylation of Proteins – A Versatile Tool to Identify Effectors and Their Potential Targets in Plants

MGMT



Franz Berthiller, Associate Professor, Institute of Bioanalytics and Agro-Metabolomics, BOKU University
Trichothecenes in Europe: An Update

MGMT



Rob Proulx, Extension Ag Technology Systems Specialist, North Dakota State University
Spray Application Technology for FHB Suppression with Fungicides

PBG



Todd Naumann, Research Chemist, USDA-ARS
Discovery of IssA, a Bacterial Protease that Cleaves flg22 to Allow Rhizosphere Colonization

PBG



Frances Trail, Mycology Professor, Michigan State University
Time Well-Spent: 28 years in the Company of the Head Blight Fungus

VDHR



Jim Anderson, Professor, University of Minnesota
Breeding FHB Resistant Hard Red Spring Wheat for the Upper Midwest

VDHR



Gina Brown-Guedira, Wheat Geneticist, USDA-ARS
Genotyping to Improve Scab Resistance

VDHR



Lily Tamburic-Ilincic, Wheat Research Scientist, University of Guelph
Breeding for Fusarium Head Blight Resistance in Canada

VDHR



David Van Sanford, Professor, University of Kentucky
Breeding Scab Resistant Wheat, Just South of the Mason-Dixon Line

Research Area Acronyms

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