

2023
Prairie Grains
conference



December 13-14, 2023
Alerus Center, Grand Forks, ND

Thursday Keynote Speakers



JOHN GRIFFITH
Executive Vice President
Ag Business & CHS Hedging
CHS, Inc
9:10 a.m.



LANCE GUNDERSON
Owner
Regen Ag Lab
10:00 a.m.



DARYL RITCHISON
Meteorologist & Director of NDAWN
North Dakota State University
1:00 p.m.

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**ON-FARM RESEARCH
NETWORK**
MINNESOTA WHEAT

11th Annual On-Farm Research Summit

Research update given by Minnesota Wheat's VP of Research,
and industry and university experts

7:30 a.m. **Registration, Breakfast and Social**

8:00 a.m. **Welcome** by Melissa Carlson, VP of Research, MN Wheat Research & Promotion Council



- **Copper at Tillering on Wheat**
– Liquid copper chelate applied at tillering on low-copper testing soils in wheat

- **N Rates on High Yielding Wheat Varieties**
- **Pivot Bio Biological Wheat Seed Treatment**
- **Johnson-Su Bioreactor Biological Seed Treatment** – Our first year experience building Johnson-Su Bioreactors and treating wheat, soybeans, and sunflowers with vermicompost extract
- **Rock Rolling Wheat**
- **Soil Health Partnership** - 5 years of cover crop interseeding in a diverse crop rotation

South Dakota Soybean On-farm Research Program: Attaining High Yields and On-farm Trial Results - Dr. Cheryl Reese, Senior Lecturer, South Dakota State University



Peltier

Timing Termination when Greenseeding Soybeans into Cereal Rye

– Dr. Angie Peltier, Extension Educator-Crops, and Dr. Lindsay Pease, Assistant Professor, Extension Specialist Nutrient and Water Management, U of MN



Pease

Examining how a rye cover crop planted after wheat harvest affects next year's soybeans when terminated 1 week prior to planting, at planting, and 1 week after planting.



How to Make an Inch of Rain Count – Stephanie McLain, Soil Health Specialist, NRCS

A visual demonstration showing how soil function affects its relationship with water.

11:45 a.m. **Wrap-up**

12:00 p.m. **Lunch** (meal tickets required)

OFRN Research Funded By:



MINNESOTA WHEAT
RESEARCH & PROMOTION COUNCIL



*Registration by November 28, 2023
is required for all meal ticket guarantees. Don't delay!*

Morning Sessions

9:00 a.m. - 12:00 p.m.

North Dakota Crop Improvement Meeting - Eastern Regional



North Dakota Crop Improvement & Seed Association will hold their annual Eastern Regional Business Meeting. The association will report on activities, discuss, and vote on resolutions and conduct the annual business of the association. NDCISA has invited speakers from various agriculture groups to come and update producers on the latest research and information that directly affects the seed industry in the region. *All producers are welcome to attend.*

9:30 a.m. - 12:00 p.m.

North Dakota Barley Council County Representatives Meeting



10:00 a.m. - 12:30 p.m.

Red River Basin Flood Damage Reduction Work Group (FDRWG)



The Flood Damage Reduction Work Group provides funding, technical support and organizational resources to assist watershed-led teams to develop projects to reduce flooding and improve natural resource conditions in Minnesota's portion of the Red River Basin. We will review recent accomplishments and ongoing initiatives, and receive input from attendees. *Growers are encouraged to attend.*

12:00 - 5:00 p.m.

Minnesota Wheat Research Committee

The committee will hear presentations from researchers who have submitted research pre-proposals for funding by the Minnesota Wheat check-off.

Lunch & Afternoon Sessions

12:00 p.m. **Lunch**

(guaranteed for those registered prior to Nov. 28, 2023)

1:30 - 4:00 p.m.

Minnesota & North Dakota Malting Barley Program

Everyone interested in barley markets and production are welcome.

1:30 p.m. **Welcome**

Ryan Hough, MN Barley & Nathan Boll, ND Barley

1:35 p.m. **Barley Variety Selections**

Dr. Max Fraser, AB North American Barley Breeder, Ft. Collins, CO

2:00 p.m. **U.S. Beer Markets**

Lester Jones, VP Analytics and Chief Economist, Washington, D.C.

2:30 p.m. **Pet Food Market**

Tony Rosing, Anchor Ingredients

3:30 p.m. **Malting Barley Market**

Mark Black, Malteurop, Great Falls, MT

ANCHOR
INGREDIENTS



Afternoon Sessions *continued*

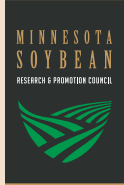
2:00 - 3:00 p.m.

MAWG Resolutions Committee Meeting

The MAWG Resolutions Committee is made up of MAWG members who attended the first meeting in Red Lake Falls. The committee will address unresolved resolutions and new resolutions presented in writing by MAWG members. The final resolutions will be presented at the Annual Business Meeting at 4:00 p.m.

3:00 – 4:00 p.m.

Minnesota Soybean Growers County Association Meeting



County leaders from the region will get together to discuss county and regional projects and promotional programs. This is an open meeting and everyone is encouraged to attend to learn more about your soybean organization.

3:30 - 4:00 p.m.

21st Century Genetics Meeting

Open to the public.



4:00 - 5:00 p.m. North Dakota Grain Growers Annual Meeting



4:00 - 5:30 p.m. MN Assn of Wheat Growers & MN Barley Growers Assn Annual Business Meeting

The associations will report on their activities, discuss and vote on resolutions and conduct the annual business of each association. This will include the election of board positions. *All members are encouraged to attend.*

Meal tickets are guaranteed for those who register by Tuesday, November 28, 2023 Don't delay - Register TODAY!

Social, Banquet, and Live Auction

People with a passion for our region's agriculture - Coming together to celebrate and build relationships

- 5:15 p.m. Social – Hors d'oeuvres & Refreshments
- 6:15 p.m. Welcome and Dinner
- 7:15 p.m. Minnesota Association of Wheat Growers & North Dakota Grain Growers recognition and awards
- 7:30 p.m. Concluding Remarks, Hospitality and Live Auction

Hospitality hosted by:



Bayer CropScience



This conference is made possible in part through membership in the participating commodity organizations.

If you grow it - support it! Consider joining today!

See the registration desk for membership details.

Prairie Grains *conference*



- 6:30 a.m. **Registration & Breakfast**
- 7:00 a.m. **Wheat & Soybean Research Reporting Sessions** - see next page
- 8:00 a.m. **Exhibits Hall opens**
- 8:50 a.m. **Break in Exhibit Hall**

9:00 a.m. **Welcome**

9:10 a.m. **Ag Market Trends 2024 and Beyond**



John Griffith

Executive Vice President, Ag Business & CHS Hedging, CHS, Inc

Review of where we were in 2023 and what we can expect in 2024. Discussion of grain prices, fertilizer, chemical and fuel price and availability for 2024.

10:00 a.m. **Carbon: Driver of Markets On and Off the Farm**



Lance Gunderson

Owner, Regen Ag Lab

Lance will present on the various roles of carbon and how to properly test your soil for use in carbon markets and building soil health.

10:45 a.m. **Break in Exhibit Hall**

11:15 a.m. **Breakout Sessions** - see next page

12:00 p.m. **Lunch & Visit Exhibit Hall**

1:00 p.m. **El Niño and the 2024 Growing Season**



Daryl Ritchison

Meteorologist & Director of the ND Agricultural Weather Network (NDAWN)

Not much in weather gets hyped like an El Niño. Daryl will explain how the ongoing El Niño may impact the 2024 growing season, not only in the United States, but also its impacts on the 2023-2024 growing season in South America. In addition, he will fill us in on NDAWN's expansion in Minnesota in cooperation with the Minnesota Department of Agriculture.

2:00 p.m. **Break in Exhibit Hall**

2:30 p.m. **Breakout Sessions** - see next page

3:15 p.m. **Visit Exhibit Hall**

3:45 p.m. **Conference Closes**

See you next year - December 11-12, 2024!

Wheat Reporting Session



6:30 a.m. Continental Breakfast

Sponsored by MN Wheat check-off

7:00 a.m. **NDSU Wheat Quality Survey** - Dr. Shahidul Islam, Assistant Professor Spring Wheat Quality, NDSU

7:20 a.m. **Evaluating the Impact of Drain Spacing and Fungicide Seed Treatment on Common Root Rot and Fusarium Crown Rot in Wheat** – Dr. Ashok Chanda, Associate Professor, Extension Sugarbeet Pathologist, U of MN

7:40 a.m. **Southern Small Grains Research & Extension** – Dr. Jochum Wiersma, Small Grains Specialist, U of MN

8:00 a.m. **Bacterial Seed Inoculation to Improve Nitrogen Uptake and Use Efficiency in Wheat** – Dr. Lindsay Pease, Assistant Professor, Extension Specialist Nutrient and Water Management, U of MN

8:20 a.m. **Planting Green Along the Red** – Dr. Lindsay Pease, Assistant Professor, Extension Specialist Nutrient and Water Management, U of MN

Concluding Remarks

Soybean Reporting Session



6:30 a.m. Continental Breakfast

Sponsored by MN Soybean check-off

7:00 a.m. **Soybean Breeding and Genetics at the University of Minnesota** – Dr. Aaron Lorenz, Professor of Soybean Breeding and Genetics, U of MN

7:30 a.m. **A Summary of 2023 Insect Pest, SCN and Frogeye Leaf Spot Project** – Dr. Angie Peltier, Extension Educator - Crops, U of MN

7:45 a.m. **Cold Hardiness of Soybean Gall Midge** – Pheylan Anderson, MS student, Entomology, U of MN

8:00 a.m. **Evaluating Control Methods for a New Leaf-mining Pest of Soybean in Minnesota** - Arthur Viera, Research Associate, Entomology, U of MN

8:15 a.m. **Determining the Current Population of *Phytophthora sojae* that is Causing Stem and Root Rot in Minnesota Soybeans** – Dr. Angie Peltier, Extension Educator - Crops, U of MN

8:25 a.m. **Evaluating Soybean Varieties to Identify Genetic and Sources of Resistance and Escape Against White Mold** – Dr. Angie Peltier, Extension Educator - Crops, U of MN

8:35 a.m. **2023 Soybean Weed Management Update** – Ryan Miller, Extension Educator - Crops, U of MN

Concluding Remarks

11:15 a.m. Breakout Sessions

45 minute sessions

Spring Wheat Variety Performance – Dr. Jim Anderson, Professor and Spring Wheat Breeder, U of MN



2022 FINBIN Farm Financial and Production Highlights – Ron Dvergsten and Greg Dvergsten, Farm Business Management Instructors, Northland Community & Technical College

Future of Soybean Breeding and Genetics – Dr. Aaron Lorenz, Professor of Soybean Breeding and Genetics, U of MN



What's New? Using Bio Stimulants and Micronutrients to Increase Northern Plains Small Grain and Broadleaf Yields – Travis Jones, Stoller USA and Chad Rubbelke, Rubbelke Farms, Des Lacs, ND

Fertilizer Optimization-How to Improve Fertilizer Efficiency – Robbie Holthusen, Product Manager and Steven McKechnie, AGRIntelligence Agronomist for the Midwest Division's North Area



Managing Hard Red Spring Wheat for High Quality and High Yield in ND and MN – Dr. Claire Keene, Assistant Professor/Agronomist, NDSU

Data Management for Precision Agriculture – Dr. Rob Proulx, Extension Agriculture Technology Systems Specialist, NDSU



Tapping Into New Markets: How to Grow the Brewing Industry in ND – Moderator: Scott Meyer, Panelists: Nathan Boll, Jared Stober, Chad Gunderson & Mike Frohlich



2:30 p.m. Breakout Sessions

45 minute sessions



Spring Wheat Variety Performance – Dr. Jim Anderson, Professor and Spring Wheat Breeder, U of MN

Marketing Plan Rescue, Saving Profitability for 2023 and Beyond – Betsy Jensen, Farm Business Management Instructor, Northland Community & Technical College



Precision Soil Sampling Methods: Who Grids, Who Zones, Who Cares? – Sarah Lovas, Agronomist, GK Technology Inc



Minnesota Association of Wheat Growers
2600 Wheat Drive
Red Lake Falls, MN 56750



Join us for this year's
Prairie Grains Conference.

We know you will find everything
you are looking for and more!

For program details and
registration visit:

mnwheat.org
or call 218-253-4311 ext. 7

HOTEL ACCOMMODATIONS
Canad Inn, 701-772-8404, \$109.00/night, Block #531807, ask for Prairie Grains Conference
To register online, visit mnwheat.org, scan the QR code or call the MN Wheat office at 218-253-4311 ext 7.



Registration fee for non-members - prior to the Nov 28th deadline:
- Wednesday program & lunch - \$30 (\$35 after deadline)
- Wednesday banquet tickets - \$35 (\$40 after deadline)
- Thursday conference program & lunch - \$30 (\$35 after deadline)

**Registration is open through the day of the conference - walk-ins are welcome.
Meals are only guaranteed if registered by deadline.**

Registration for both days of programming and meals are FREE for members of:
Minnesota Association of Wheat Growers • Minnesota Barley Growers Association
Minnesota Soybean Growers Association • North Dakota Grain Growers Association

Don't miss out - Register by November 28, 2023 - Sign up now!

Registration is required for meal ticket guarantees.
Meal tickets for those registering after the deadline will be available on a
first-come, first-served basis until gone.

Prairie Grains Conference Registration