

DATE: March 27th, 2024

NDSU Soybean Symposium

8:30 am - Welcome and Introductions by Dr. Rich Horsley

8:45 am - Icebreaker Activities (Session Chair: Dr. Wade Webster)

9:05 am - Keynote from Matt Herman, Chief Officer, Demand and Advocacy, Iowa Soybean Association Soybean Industry Update (Session Chair: Miki Miheguli)

9:50 am - Update from Stephanie Sinner, Executive Director of the North Dakota Soybean Council, North Dakota Soybean Industry Update (Session Chair: Miki Miheguli)

10:10 am - Breeding (Session Chair: Carrie)

Dr. Carrie Miranda *Determining genetic mechanisms of maturity in North Dakota: expanding the molecular model for early maturity groups (MG 00 and 0) in Soybean (20 min)*

Forrest Hanson *Genetic Diversity in the North Dakota State University Soybean Breeding Program (15 min)*

Dr. Zheng Li *Breeding by design & precision selection to accelerate soybean improvement (20 min)*

11:05 am - Break/Poster Viewing

11:20 am - Pathology (Session Chair: Wade)

Dr. Wade Webster - *Outlook on New Predictive Decision Support Tools for Managing Soybean Diseases (20 mins)*

Dr. Guiping Yan - *Update on *Pratylenchus dakotaensis*, a new root-lesion nematode species on soybean in North Dakota (20 mins)*

Bijula Sureshbabu - *Evaluation of soybean (*Glycine max* L.) germplasm for their reaction to seed and stem infection by *Diaporthe longicolla* (15 mins)*

Roshan Dhakal - *Characterization of fungal and bacterial communities in suppressive soils against soybean cyst nematode in North Dakota (15 mins)*

12:35 pm - Lunch

1:35 pm - New Uses (Session Chair: Jiang Long)

Dr. Minwei Xu *Exploring the Impact of Protein Subunits on Tofu Quality with AI-assisted Method (20 min)*

Dr. Qian Ma *Development of soymeal based baling twine (15 min)*

Dr. Raj Hazra *Injectable and Implantable Soy Protein Based Hydrogel for Cancer Treatment and Tissue Engineering (15 min)*

2:25 pm - Production/Utilization (Session Chair: Miranda Meehan)

Dr. Kendall Swanson *Update on soybean meal supplementation for calves in a bale grazing system (20 min)*

Cole Williams *Increasing Soybean Yield under Drought through Enhanced Symbiotic Nitrogen Fixation in North Dakota (15 min)*

Dr. Joe Ikley - *Silver Bullets are for Werewolves: A North Dakota Perspective on Weed Management (20 min)*

3:20 pm - Break/Poster Viewing

3:45 pm - Farmer Panel on Soybean Production (45 mins)

Moderator: Dr. Hans Kandel

- Adam Spelhaug - A Farmer from Richland County, North Dakota & Regional Account Manager with GDM Seeds
- Mike Schlosser - A Farmer from Edgeley, North Dakota & Current Board Director of the North Dakota Soybean Council.
- Mike Langseth - A Farmer from Barney, North Dakota & Past Board Director of the North Dakota Soybean Council.

4:30 pm - Poster Elevator Pitch Competition (Session Chair: Dr. Wade Webster)

5:00 pm - Social and Poster Viewing (Dr. Rich Horsley)

6:00 pm - Dinner, Oral Presentation, and Poster Award (Dr. Rich Horsley)