

Farming and Ranching for the Bottom Line

Linking Soil to Well-Being

February 23 & 24, 2021 | Online via Zoom



DAY 1: Tuesday, Feb 23

- 9:00** Welcome
- 9:15** Area 4 Farm: Benefits of Diversity and Stored Soil Moisture in 2020
David Archer
- 9:45** Plant Diversity Affects Shoot Metabolomes by Changing the Soil Community
Nicole van Dam, German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig
- 10:45** Farming Systems, Environment, and Food Quality
Andrea Clemensen
- 11:05** Root-Soil Factors that Influence Crop and Forage Quality
Mike Grusak
- 11:25** Healthy Soil, Healthy Food, and Healthy People: Linking the Phenomes
Matt Picklo
- 11:45** Soil Microbial Networks and Agroecosystem Functioning
Samiran Banerjee
- 12:00** Lunch Break/Virtual Posters
- 1:00** Addressing the Sustainability of Agriculture
John Reganold, Washington State University
- 2:00** Pasture Management Effects on Copper Utilization in Growing Heifers
Rachael Christensen
- 2:20** Human Health and Chemical Compounds in Grass-fed and Grain-fed Meat and Dairy
Stephan Van Vliet, Duke Molecular Physiology Institute
- 2:50** Wrap-up and Introduction to Day 2
- 3:00** Discussion Rooms
Room 1: Cropping Systems, Room 2: Grazing Systems

DAY 2: Wednesday, Feb 24

- 8:55** Welcome
- 9:00** Reducing Fertilizer Use
John Kempf, Advancing Eco Agriculture
- 10:30** Break
- 10:45** Innovative Producer Panel: Bringing Life Back to the Farm Using Bioinoculants
Derek and Tannis Axten
Chris Teachout
- 12:00** Lunch Break/Virtual Posters
- 1:00** Water Use Efficiency
John Kempf
- 2:00** What's Going on at the Menoken Farm?
Darrell Oswald
- 2:30** Break
- 2:45** Using Inoculants Effectively
John Kempf

SPONSORS & PARTNERS

Area Four Research Farm ND Grazing Lands Coalition
Bismarck State College NDSU Extension
Burleigh County Soil Conservation District NDSU Research Extension Centers
Menoken Farm USDA Agricultural Research Service
Morton County Soil Conservation District USDA Natural Resources Conservation Service

REGISTRATION: There is no cost to attend this event, but preregistration is required at <https://farming-and-ranching-for-the-bottom-line.eventbrite.com>. If you have any questions, contact Connie Bryant at constance.bryant@nd.nacdnet.net or at 701-250-4518, ext. 3. Zoom link will be emailed out the week of the event. Visit area4farm.org for more information.