

Nitrogen: Minnesota's Grand Challenge & Compelling Opportunity Conference February 4, 2025 Mankato

Bruce Montgomery, Moderator

8:00 a.m. Welcome

Nitrogen Management and Crop Production

- 8:10 a.m. **Kenny Blumenfeld**, Minnesota State Climate Office. Climate conditions update for Minnesota: Observations, trends, and outlooks
- 8:50 a.m. **Brad Carlson**, University of Minnesota. On-farm Evaluation - Can I be Sure?
- 9:30 a.m. **Tarah Young**, University of Minnesota. Optimizing nitrogen management for hybrid rye as a grain and forage crop in Minnesota

10:10 a.m. Break

Nitrogen Management and the Environment

- 10:20 a.m. **Jeff Stroock**, University of Minnesota. Drainage water recycling: Performance of cropping systems in SW Minnesota
- 11:00 a.m. **Swetabh Patel**, University of Minnesota. Advancing nitrogen BMPs: Insights from Nebraska to Minnesota for sustainable corn production and nitrate management
- 11:40 a.m. **Fabian Fernandez**, University of Minnesota. Nitrogen best management practices (N-BMPs) are best for crops and the environment

12:20 p.m. Lunch

- 1:00 p.m. **Jeff Vetsch**, University of Minnesota. How do cover crops, nitrogen rate and cropping system affect nitrate loss in tile drainage water?

Nitrogen and Soil Productivity

- 1:40 p.m. **Julie Howe**, Texas A&M University. Influence of fertilizer and manure inputs on soil health
- 2:20 p.m. **Farmer panel**. Lessons from our own experience managing nitrogen in the farm
- 3:00 p.m. **Anna Cates**, University of Minnesota. Predicting corn nitrogen needs with biological testing- what's possible in Minnesota?

3:40 p.m. Adjourn