# Area Growers Seminars

2019

Jan. 24th SMBSC Growers Seminar
Holiday Inn, Willmar, MN

Feb. 11th Grand Forks Growers Seminar
Alerus Center

Feb. 12th Minn-Dak Growers Seminar
Eagles Club Wahpeton, ND

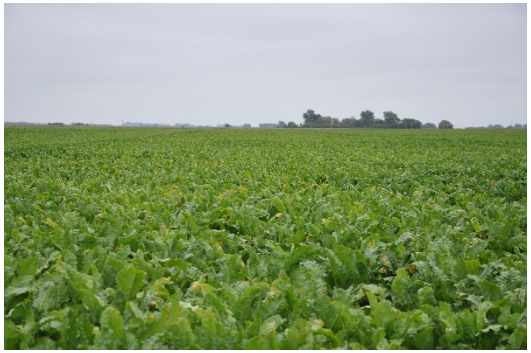
Feb. 14th Fargo Growers Seminar
Holiday Inn Fargo, ND

Feb. 21st Grafton Growers Seminar
Parish Center

March 20-21, 2019

International Sugarbeet Institute Show

Fargodome Fargo, ND



# 49th Annual

## Sugarbeet Research Reporting Session

Tuesday January 8, 2019
Fargo Holiday Inn

( * ) Author presenting the paper

( ** ) Partially funded by the Sugarbeet Research and Education Board of Minnesota and North Dakota

*CEU Credits will be awarded to CCA holders*

*Sponsored by: North Dakota State University, University of Minnesota, and Sugarbeet Research and Education Board of MN & ND*

*Lunch Sponsored by Sumitomo Corporation*

NDSU | NORTH DAKOTA STATE UNIVERSITY

UNIVERSITY OF MINNESOTA | EXTENSION

Speakers should use 12 to 13 minutes for presentations and leave 2 to 3 minutes for questions.

**Welcome and Announcements: Moderator**
Mohamed Khan, Professor & Extension Sugarbeet Specialist, North Dakota State University and University of Minnesota.

**7:45 Coffee**

8:00 ** Insecticide programs for improving sugarbeet root maggot control. Jacob J. Rikhus*, Mark A. Boetel, and Allen J. Schroeder. Department of Entomology, NDSU, Fargo.

8:15 ** Artificial intelligence technology for root maggot fly monitoring & the 2018 forecast. Mark A. Boetel*, Jacob J. Rikhus, and Allen J. Schroeder. Department of Entomology, NDSU, Fargo.

8:30 **Sugarbeet tolerance to acifluorfen. Thomas J. Peters*[1], Extension Sugarbeet Agronomist and Weed Control Specialist[1], North Dakota State University and University of Minnesota, Fargo, ND.

8:45 **Sugarbeet tolerance and rotational crop safety from ethofumesate 4SC applied postemergence. Alexa L Lystad*[1], Thomas J. Peters[2], and Christy Sprague[3], Research Technician[1], and Extension Sugarbeet Agronomist and Weed Control Specialist[2], and Extension Weed Management Specialist[3], North Dakota State University and University of Minnesota, Fargo, ND and Michigan State University, Lansing, MI.

9:00 **Summary of cultivation research in sugarbeet. Nathan H. Haugrud*[1] and Thomas J. Peters[2], Graduate Research Assistant[1] and Extension Sugarbeet Agronomist and Weed Control Specialist[2], North Dakota State University and University of Minnesota, Fargo, ND.

9:15 Industrial Chicory Root: Adding Value to Your Sugar Beet Rotation. Charlie Frahm*[1], Charles Tvedt*[2], and Nathan H. Haugrud[3], Agronomist[1], Research assistant[2], and Graduate Research Assistant[3], Blue Prairie Brands, Inc., Gering, Nebraska and North Dakota State University, Fargo, ND.

9:30 **Sugarbeet sensitivity to dicamba at low dose. Emma L. Larson*[1], Mike S. Metzger[2], Thomas J. Peters[3], and Alexa L. Lystad[4], Agricultural Research Specialist[1], Research Agronomist[2], Extension Sugarbeet Agronomist and Weed Control Specialist[3], and Research Technician[4], Minn-Dak Farmers Cooperative, Wahpeton, ND and North Dakota State University and University of Minnesota, Fargo, ND.

9:45 Effect of dehydration on sugarbeet root storage. Karen Fugate*[1], Abbas Lafta[2], John Eide[1], and Mohamed Khan[2]. [1]USDA-ARS, Fargo, ND, [2]Dept. of Plant Pathology, North Dakota State University.

**10:00 BREAK.**

Moderator: Dr. Mike Metzger, Research Agronomist, Minn-Dak Farmers Cooperative

10:15 Interseeded cover crop under sugarbeet production system- Amitava Chatterjee, North Dakota State University

10:30 Utilization of Plant Growth Regulators for Suppression of Sugarbeet Root Yield. Michael Metzger*, Emma Larson and Bradley Schmidt, Minn-Dak Farmers Cooperative

10:45 *Alternaria alternata* is becoming an emerging problem in sugar beet. Bhuyan, Md. Z. R*; Haque, Md. E; and Khan, M. F. R., and Dilip Latchman, UDSA Baltimore

11:00 Morphology and diversity of *Rhizoctonia solani* on sugar beet in the USA. Haque, Md. E*; Bhuyan, Md. Z. R; and Khan, M. F. R.

11:15 **Characterizing Fusarium and Rhizoctonia interactions in sugar beet. Kimberly Webb*, USDA-ARS, Fort Collins, CO

11:30 Screening of *Rhizoctonia solani* isolates from sugarbeet and soybean for sensitivity to fungicides Pratibha Sharma[1]* Dean K. Malvick[1] and Ashok K. Chanda[1,2]. University of Minnesota [1]Department of Plant Pathology, St. Paul, MN [2]Northwest Research and Outreach Center, Crookston, MN

11:45 Management of Rhizoctonia in sugarbeet Jason R. Brantner* and Ashok K. Chanda, University of Minnesota Northwest Research and Outreach Center, Crookston, MN and Department of Plant Pathology.

Dr. Dexter's Scholarship Award and Distinguished Service Award- Mr. Kevin Kutzer, Chair, SBREB

**12:00 – 1:00 Lunch**
**Lunch Sponsored by Sumitomo Corporation**

Moderator: Dr. Thomas Peters, Extension Agronomist, North Dakota State University

1:15 **Determining nutrient release characteristics of various manures: An update. Melissa Wilson*, University of Minnesota

1:30 **Can root yield and sugar content be predicted using plant tissue analysis? Daniel Kaiser*, University of Minnesota.

1:45 Methods for the induction of RNAi in the protection of sugarbeet from Rhizomania disease. John J. Weiland* and Melvin D. Bolton

2:00 **Update on Cercospora projects. Melvin D. Bolton*, Rebecca Spanner, Subidhya Shrestha, Alex Dessert, Jonathan Neubauer, Linda Young, and John J. Weiland

2:15 **Comparative sensitivity of *Cercospora beticola* to multiple DMI fungicides. Viviana Rivera*[1], Melvin Bolton[2] and Gary Secor[1]. [1]North Dakota State University, Fargo and [2]USDA-ARS.

2:30 **Sensitivity of *Cercospora beticola* to foliar fungicides in 2018. Gary Secor*[1], Viviana Rivera[1] and Melvin Bolton[2], 1North Dakota State University, Fargo and [2]USDA-ARS.

2:45 Potential use of fungicides with new and different modes of action for controlling *Cercospora beticola* on sugar beet. Liu Y*, and Khan, M. F. R

3:00 ** History of fungicide use for controlling *C. beticola* on sugar beet in North Dakota and Minnesota. Peter Hakk* and Mohamed F.R. Khan. North Dakota State University & University of Minnesota

3:15 ** Biology and management of *Cercospora beticola* on sugar beet. F.R. Khan* and Peter Hakk. North Dakota State University & University of Minnesota