September 1, 2023

# ASSBT NEWSLETTER

Biannual Newsletter of the ASSBT: Vol. 3, Issue 1, September 2023

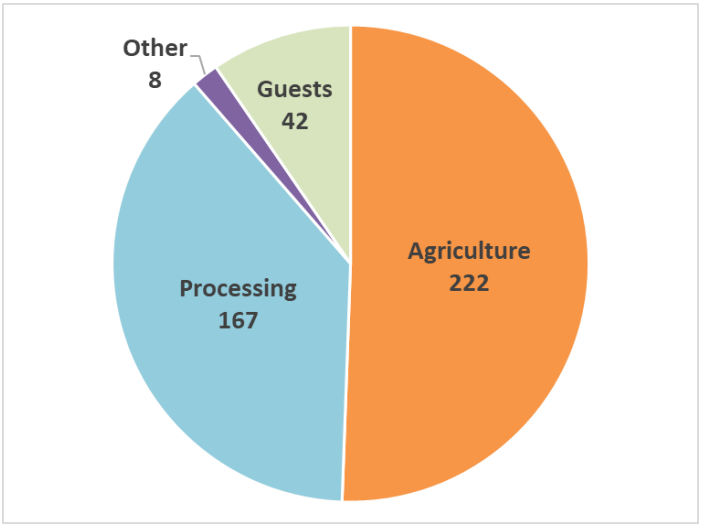
## In this issue:


- Meet Mike
- 42nd Biennial Meeting Numbers
- 42nd Biennial Meeting Photos
- 2023 ASSBT Biennial Meeting Awards
  - -Honorary
  - -Meritorious
  - -Savitsky
  - -Poster
  - -40 Year Veterans
- ASSBT Board of Directors and Officers
- We Are ASSBT
  - -Membership Information
- Sustaining Members
- Website Update
- Don't Miss A Beet
  - -JSBR Author Instructions
- Beet Deets
  - -Contact Information

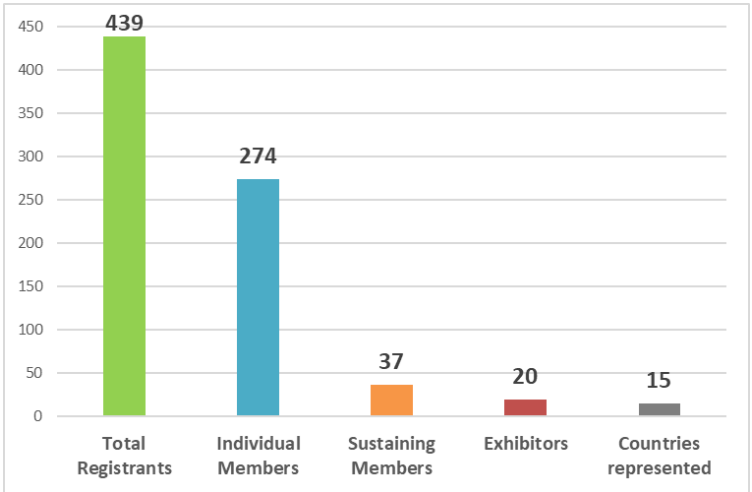

## MEET MIKE! ASSBT PRESIDENT 2023-2025

**Dr. Mike Metzger-** *Vice President of Agriculture and Research, Minn-Dak Farmers Cooperative*. Mike has worked at Minn-Dak Farmers Cooperative since 2001. Serving as the Cooperative's Vice President of Agriculture and Research, he oversees and manages the agronomic research, production, harvest, storage and delivery of sugar beets for processing from 500 shareholders raising sugar beets on 105,000+ acres. Mike also serves as a technical specialist and educator in areas of current sugar beet production and future technology to the cooperative's Ag Staff, shareholders and growers. He currently serves as a Board Member and Director of the Beet Sugar Development Foundation, the American Society of Sugar Beet Technologists, and the Sugarbeet Research and Education Board of Minnesota and North Dakota. Mike holds both a master's degree and Ph.D. in Plant Pathology from North Dakota State University with research projects focused upon fungal and bacterial root rots of sugar beet. He and his wife Jessica have three teenage children and reside on their hobby farm near Fergus Falls, MN.

## 42nd Biennial ASSBT Meeting By The Numbers




Attendee numbers by Category




Registration numbers by Type

AMERICAN SOCIETY OF SUGAR BEET TECHNOLOGISTS

# 2023 BIENNIAL ASSBT MEETING REVIEW IN PHOTOS

General Session

Forums

Mitsui Reception

Banquet

President's Reception

# 2023 BIENNIAL ASSBT MEETING REVIEW IN PHOTOS


THANK YOU FOR THE MEMORIES SAVANNAH!

Looking forward to 2025 ASSBT in Long Beach, California.

# 2023 BIENNIAL ASSBT MEETING AWARDS

## HONORARY MEMBERSHIP AWARDS

### Dr. Thomas Peters

Thomas Peters (Tom) is Extension Sugarbeet Agronomist and Weed Control Specialist at North Dakota State University and the University of Minnesota, supporting farmers growing sugar beet in Minnesota and North Dakota. Peters joined NDSU and UMN in 2014 following a 25-year career at Monsanto Co., in St. Louis, MO where Tom contributed to the development of genetically engineered crops including RR sugar beet. Tom is a Minnesota native, receiving his B.S. degree in Agronomy and Soil Science at the University of Minnesota, his M.S. degree from University of Nebraska and his Ph.D. from North Dakota State University.

Peters' research interests are combining cover crops and inter-row cultivation with PRE and POST herbicides to create an integrated weed management program in sugar beet and in crops in sequence with sugar beet. Tom is currently evaluating old and new herbicides including phenmedipham, acifluorfen, desmedipham, metamitron, and rinskor in sugar beet. In addition, Tom and his colleagues are collaborating with KWS to evaluate glufosinate and dicamba integrated with soil residual and POST herbicides for control of GR weeds with Truvera™ sugarbeet.

# 2023 BIENNIAL ASSBT MEETING AWARDS

## HONORARY MEMBERSHIP AWARDS CONT.

This award is given to individuals who have rendered outstanding service to the beet sugar industry or have by virtue of scientific accomplishments, acquired the admiration and respect of the Society. Honorary Membership includes all the privileges of an Individual Member for life, without payment of dues.

### Dr. Saad L. Hafez

Dr. Saad L. Hafez is a professor of nematology in the Department of Plant, Soil, & Entomological Sciences at the University of Idaho. He is the director of the Nematode Diagnostic Laboratory at the University of Idaho Research and Extension Center in Parma, Idaho. For the past 42 years, he has actively pursued research on chemical and cultural methods for the management of nematodes associated with potato, sugar beet and alfalfa and identified specific green manure crops for management. He has also collaborated with the United Nations in finding alternatives to methyl bromide in third world countries. Dr. Hafez received his B. Sc. degree in Plant Protection (1968), his M. Sc. In Agricultural Zoology-Nematology (1972), and his Ph. D in Zoology (1975) from Cairo University. Dr. Hafez then went on to obtain another Ph. D in Entomology/Nematology in 1980 from the University of California-Davis.

Over the course of his extensive career, Dr. Hafez has published more than 85 research articles and presented his work at more than 400 national meetings and 50 international meetings. He has 93 proceeding publications and 130 abstracts in refereed journals in addition to several book chapters, numerous information bulletins, and other extension articles. He has funded much of his research through grants totaling over $17-million dollars.

Dr. Hafez was the first to introduce the Sugar Beet Cyst Nematode trap crop from Germany to USA in 1986.

Recently Dr. Hafez discovered several nematodes newly recorded in the USA for the first time. Alfalfa Cyst Nematode, Cactus Cyst Nematode, Hope Cyst Nematode, new species of Lesion Nematodes on grapes in California and Quinoa Cyst Nematode on Quinoa in Colorado. In 2019 the Idaho Mint Growers inducted Dr. Hafez into the Mint Hall of Fame.

Dr. Hafez has served as the president of the Society of Nematologists and received numerous awards in recognition of his work, including the Idaho Governor's Award for Excellence in Agriculture, the University of Idaho Outstanding Service Award, and the Syngenta Award from the Society of Nematologists. In 2015 Dr. Hafez was honored as a Society of Nematology Fellow. He was appointed as an Honorary Professor at Menoufia University, Cairo, Egypt in 1996 and received the "Highest Scientific Award" from the same university. Dr. Hafez discovered a new nematode species in 2006, *Longidorella saadi*. The newly discovered species was named after him by the Centre for Agriculture and Bioscience International (CABI) in the United Kingdom in recognition of his contributions to the field of nematology. He was also recognized as a Fellow of the Afro-Asian Society of Nematologists and is a member of more than 12 professional scientific societies.

# 2023 BIENNIAL ASSBT MEETING AWARDS

## MERITORIOUS SERVICE AWARDS

This award is given to a member who has been outstanding in promoting the objectives of the Society or has made significant contributions to the beet sugar industry.

### Dr. Melvin Bolton

Dr. Melvin Bolton was raised on a corn and edible bean farm in Park Rapids, MN. In 1999 he earned a B.S. degree in Biology and Chemistry from Concordia College in Moorhead, Minnesota.

He worked as a Research Assistant in the Department of Plant Pathology at North Dakota State University after graduation. In 2001, Dr. Bolton started his graduate studies at the Department of Plant Pathology at NDSU. During this time, Dr. Bolton was awarded a Fulbright Fellowship to study at Wageningen University in the Netherlands where he studied pathogen effector proteins. After completing his Ph.D. in 2006, Dr. Bolton joined the USDA as a postdoctoral scientist at the Plant Science Research Unit in St. Paul, MN where he focused on leaf rust disease of wheat. Dr. Bolton accepted a position as a Research Plant Pathologist at the Sugarbeet and Potato Research Unit in Fargo, ND in 2008 and has served as the Unit's Research Leader since 2016. Dr. Bolton is an adjunct faculty member in the Department of Plant Pathology at NDSU. Dr. Bolton serves on several regional, national, and international boards, councils, and committees. Dr. Bolton's research primarily focuses on fungicide resistance management and the molecular biology of fungal and viral diseases of sugar beet.

### Mark Bloomquist

Mark was born and raised in Minnesota. He received a Bachelor of Science in Agronomy from South Dakota State University and a Master of Science in Agronomy from Iowa State University. Mark began his career in the sugar industry in October 1990 as an Agriculturist at Southern Minnesota Beet Sugar Cooperative. After 18 years in the Agriculturist position, in February 2007, Mark accepted the Production Agronomist position with SMBSC. As the Production Agronomist, Mark managed the SMBSC Official Variety Trials, the Agronomic Practice Database, and the weather station network.. In December 2015, Mark accepted the Research Director position with SMBSC and Spreckels Sugar. As the Research Director, Mark leads the agronomic research programs at SMBSC and Spreckels Sugar in Brawley, CA. Mark is a member of the Sugar Beet Research and Education Board of Minnesota and North Dakota. He is a representative of the sugar beet industry on the Minnesota Agricultural Fertilizer Research and Education Council. Mark has been an American Society of Sugar Beet Technologists member since 2009 and has served as the Ag at Large representative on the ASSBT Board since 2015. Mark is also a member of the IIRB, the American Society of Agronomy, and is a Certified Crop Advisor. Mark and his wife Beth have two children, Sam and Megan.

AMERICAN SOCIETY OF SUGAR BEET TECHNOLOGISTS

# 2023 BIENNIAL ASSBT MEETING AWARDS

## SAVITSKY AWARD

This is the highest award available from the Society. There are no specific criteria for this award. It is given at the discretion of the Board of Directors, and must be by unanimous agreement of the Board.

# Congratulations

## Mark Suhr


Mark Suhr has served as President and owner of MS Processes International since 2002 and has served as a consultant to the beet sugar industry for more than 40 years. Through his career, Suhr worked with all the beet sugar cooperatives in North America and almost every other sugar beet factory around the world.

After graduating from the University of Wisconsin Madison in 1979 with a bachelor's degree in chemical engineering, Suhr began his career at American Crystal Sugar Company (1979-1988), holding roles in engineering, maintenance, and as a production superintendent. He then became Director of Engineering at Michigan Sugar (1988-1996), and went on to become Vice President of Operations at Southern Minnesota Beet Sugar Cooperative (1996-2002).

Mark has also shared his knowledge with employees of the industry at the McGinnis Institute of Beet Sugar Technology's (MIBST) Beet End and Sugar End schools. Mark has instructed students on various technical aspects of beet sugar processing for 35 years (1987-2022).

Mark is highly regarded for his knowledge and leadership and is an expert often called on by the industry. His hard work and dedication come from his family and the work ethic instilled by his parents. Mark went out of his way to balance his career with his family and is proud to have never missed a cross-country meet of either of his daughters. Mark also credits his wife for her support throughout his career. In his leisure time, Suhr enjoys riding his bicycle.

AMERICAN SOCIETY OF SUGAR BEET TECHNOLOGISTS

# 2023 BIENNIAL ASSBT MEETING AWARDS

## PEOPLE'S CHOICE POSTER SESSION AWARDS

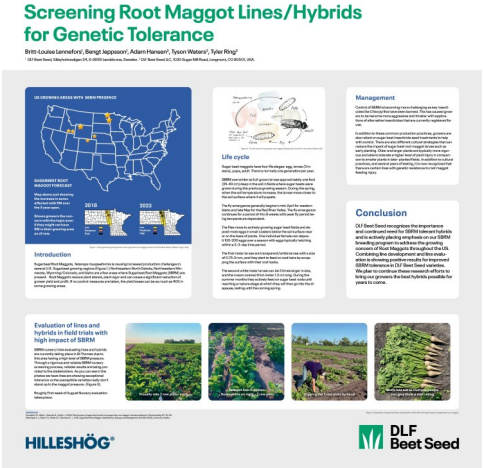
**Click on a poster for a larger view!**

## AGRONOMY
### POSTER #8


**Our experiences with acifluorfen in sugarbeet.**

Burt, Emma L.[*1], Thomas J. Peters[2], Alexa L. Lystad[2], and David C. Mettler[3], [1]Minn-Dak Farmers Cooperative, 7525 Red River Road, Wahpeton, ND 58075, [2]NDSU & University of Minnesota, [2]NDSU, Dept. 7670, PO Box 6050, Fargo ND 58108, [3]Southern Minnesota Beet Sugar Cooperative, 83550 County Road 21, Renville, MN 56284

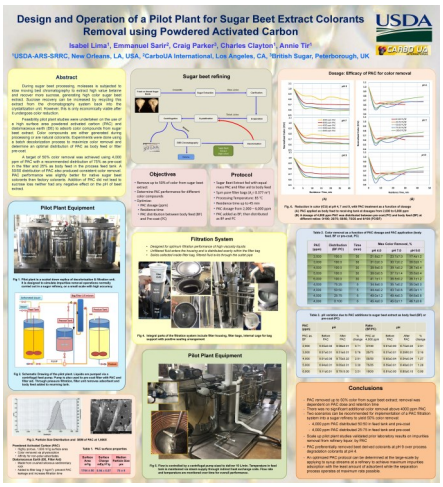
## PHYSIOLOGY, GENETICS AND PLANT PESTS
### POSTER #20




**Screening root maggot lines/hybrids for genetic tolerance.**

Lennefors, Britt-Louise[*1],Bengt Jeppson[1], Adam Hansen[2], Tyson Waters[2], and Tyler Ring[2], [1]DLF Beet Seed AB, Säbyholmsvägen 24, Landskrona, 261 91 Sweden, [2]DLF Beet Seed LLC, 1020 Sugar Mill Road, Longmont, CO 80501

## PROCESSING
### POSTER #42




**Design and operation of a pilot plant for sugar beet extract colorants removal using powdered activated carbon.**

Lima, Isabel M[*1], Emmanuel Sarir[2], Craig Parker[3], Charles Clayton[1], and Annie Tir[1], [1]USDA-ARS Southern Regional Research Center, 1100 Allen Toussaint Blvd. New Orleans, LA 70124, [2]CarboUA International, Los Angelas, CA, [3]British Sugar, Sugar Way, Peterborough PE2 9AY, UK

AMERICAN SOCIETY OF SUGAR BEET TECHNOLOGISTS

# 2023 BIENNIAL ASSBT MEETING AWARDS

## 40 Years of Service Veterans Award

### AMALGAMATED SUGAR

Doris Daniels
Jeffrey Leazer
Eugenio Navarro
Miguel Ruiz
Ramon Sanchez Jr.
Donna Schafer
Kelvin Weaver

### DLF Beet Seed

Cheryl Stein

### MINN-DAK FARMERS COOP

Jeffrey Affield
Dale Anderson
Steven Bellmore
William Haire
Joseph Heger
Kelly Meyer
Bernie Miller
Leslie Muller
Russell Olson
Jeffrey Reiff
Alexander Roll
Mark Rudebusch
Adrian Skramstad
Kevin Solberg
Mark Voss
Steven Ziegelmann

### WESTERN SUGAR

Thomas E. Briggs
Henrietta Clutter
Don J. Dominguez
Kelly Durnal
Phillip D. Grass
Kerby V. Lackey
Concepcion E. Lopez
Wayne O. Schamel
Edward A. Stovall

### AMERICAN CRYSTAL

Annette L. Cederberg
Michael P Drury
Michael C. Dunn
Terrie M.Felix
John R. Janssen
Liz A Kirkeby
Jenny Kjos
Ray D. Perala
Jill M. Rheault
Daniel J. Strommen
Joni B Workin

### MICHIGAN SUGAR

Edward Botwright
Candelario Cantu
Thomas Gracias
Roger Hallead
James Kurish
Gene J. Leinberger
Michael A. McFarland
Charles Noah
Calvin B.Ostrander
Adam C. Oswald
John S. Piotrowski
Luis Rivera
Richard Schroeder
Scott B. Sebald
Jeffery Stone
Barney T. Torzynski
Harry F. Torzynski
Sherrie Towns
Dale G. Vogel
Gary Westbrook

### WYOMING SUGAR

Todd Bryngelson
Diana Deniz
Florencio Deniz
Bill Kumpe

AMERICAN SOCIETY OF SUGAR BEET TECHNOLOGISTS

# ASSBT OFFICERS AND BOARD MEMBERS

Secretary-Treasurer
Thomas Peters

Immediate
Past President
Nick Klein

President
Mike Metzger

Vice President
Mark Bloomquist

Executive V.P.
Anna Murphy

Great Lakes Region—Brian Groulx
Eastern Rocky Mt. Region—Anurad Jayasooriya
Canada Region—Jay Anderson
Intermountain Region—Oliver Neher

North Central Region—Joe Hastings
Agriculture at Large—Cody Groen
Processing at Large—Scott Kahre
Pacific Coast Region—Open

## WE ARE ASSBT

The objectives of the American Society of Sugar Beet Technologist (ASSBT) are to foster all phases of sugar beet and beet sugar research, to promote the dissemination of resultant scientific knowledge, to strive to maintain high standards of ethics, and to cooperate with other organizations having objectives beneficial to the beet sugar industry.

## ASSBT MEMBERSHIP

Membership is paid during registration at our Biennial meetings. If you were unable to make the meeting and still want to be a member, please contact the office. 303.832.4460
The fee schedule below reflects 2023-2024 prices. These are two year memberships.

| Type | Category | Membership Dues | Meeting Fees | Total |
|---|---|---|---|---|
| Non-member | Individual | $ - | $ 750 | $ 750 |
| | Student/Post-doc | $ - | $ 375 | $ 375 |
| | Retiree Attendee | $ - | $ 375 | $ 375 |
| Member | Individual | $ 250 | $ 400 | $ 650 |
| | Sustaining (Company) | $ 900 | | $ 900 |
| | Honorary | $ - | $ 375 | $ 375 |
| Guest* | Guest | $ - | $ 80 | $ 80 |

AMERICAN SOCIETY OF SUGAR BEET TECHNOLOGISTS

# ASSBT SUSTAINING MEMBERS

Click on a member company to learn more!

| | |
|---|---|
| Aigen | Kirkland, WA |
| Amalgamated Sugar Company | Boise, ID |
| American Crystal Sugar Company | Moorhead, MN |
| Bayer Crop Science, LLC | Research Triangle Park, NC |
| Canadian Sugar Beet Producers Association | Taber, AB, Canada |
| DLF Beet Seed, LLC | Halsey, OR |
| EAPC Industrial Services | Grand Fork, ND |
| EnerDry A/S | Virum, Denmark |
| Englo, Inc. | Beckly, WV |
| ESCON GmbH | Berlin, Germany |
| Germains Seed Technology | Gilroy, CA |
| Glaß & Wolff Metalltechnik GmbH & Co. KG | Zeven, Germany |
| Hydrite Chemical Company | Brookfield WI |
| KWS Seeds, LLC | Tangent, OR |
| Lantic, Inc | Vancouver, BC, Canada |
| Lenzing Filtration | Lenzing, Austria |
| Michigan Sugar Company | Bay City, MI |
| Micronics Engineered Filtration Group, Inc. | Chattanooga, TN |
| Minn-Dak Farmers Cooperative | Wahpeton, ND |
| Mitsui Chemicals Agro Group | Tokyo, Japan |
| Nalco Water an Ecolab Company | Naperville, IL |
| Neltec Denmark A/S | Bevtoft, Denmark |
| NEW Honiron | Morgan City, LA |
| Putsch & Company, Inc. | Asherville, NC |
| Rhino Process & Controls, LLC | Fairhope, AL |
| SCOA | New York, NY |
| SESVanderHave | Fargo, ND |
| Silver Engineering Works | Denver, CO |
| Southern Minnesota Beet Sugar Cooperative | Renville, MN |
| Suntton International Inc. | Fresno, CA |
| Superior Service Co. | Martinville, LA |
| Syngenta Seedcare | Basel, Switzerland |
| USP Technologies | Glen Allen, VA |
| VEi Global Engineering Consultants | Fargo, ND |
| Vive Crop Protection | Mississauga, ON, Canada |
| Western Sugar Cooperative | Denver, CO |
| Wyoming Sugar Company | Worland, WY |


**ASSBT WEBSITE IS GETTING A FACE LIFT!** .

AMERICAN SOCIETY OF SUGAR BEET TECHNOLOGISTS

# DON'T MISS A BEET

## Journal of Sugar Beet Research INSTRUCTIONS TO AUTHORS

### General:

The *Journal of Sugar Beet Research* (JSBR) welcomes original research articles, research and review articles, and articles of historical interest to the beet sugar industry. The JSBR will continue accepting **peer-reviewed papers** (manuscripts); in addition, the JSBR will now be accepting the following:

1. **Technical reports** (2-4 pages, exemption up to 6 pages for reports containing a lot of graphs and pictures). Technical reports will be subject to editorial review for content and methods. "Infomercial" type reports (commercial companies marketing products through reports) will be not accepted.
2. **Relevant abstracts published from other journals.** The abstracts will be re-published in the JSBR to provide information on sugar beet related research published elsewhere.

The journal is particularly interested in all aspects of sugar beet and beet sugar production which further the knowledge of the industry, improve production, and stimulate discussions that lead to new ideas and solutions for existing and emerging problems. The Editors of the JSBR invite papers in the United States and worldwide, including but not limited to the following topics:

- Agronomy
- Breeding & Genetics
- Disease, Insect, and Pest Management
- Economy
- Environment/Sustainability
- Harvest & Storage
- New Technologies
- Physiology
- Processing
- Safety
- Water Conservation and Drought
- Weed Management

### Submission

Authors may submit manuscripts for consideration in Microsoft Word format via email to the following persons:

- **Linda Hanson,** *Co-Chairperson & Editor:* hansonl5@msu.edu
- Copy **Vanitha Ramachandran**, *Co-Chairperson & Editor:* ramachandran@usda.gov
- Copy **Sarah Newton,** *ASSBT Administrative Assistant:* frontdesk@bsdf-assbt.org

**Click here for more information!**

# BEET DEETS

**CONTACT US**
**Office: 303-832-4460**

**Sarah Newton-**
**Office Assistant**
**frontdesk@bsdf-assbt.org**

**Anna Murphy-**
**Executive Vice President**
**anna@bsdf-assbt.org**

**Heidi Giles-**
**Executive Assistant**
**heidi@bsdf-assbt.org**