

MICHIGAN AGRI-BUSINESS ASSOCIATION

2018 WINTER CONFERENCE PRESENTATIONS

Please note that the names in **RED** have a presentation attached.
Please check back often, we will add presentations as we receive them.

MONDAY, JANUARY 8, 2018

8:00 A.M. Registration - Lansing Center Hall B

9:00 A.M. – 12:00 Noon – Concurrent Sessions

Applicator Training - Radisson Hotel

CCA Credits: 1.0 SW; 2.0 PM

*Recertification Credits: 3.0 Category- Comm CORE, Priv CORE
Certified Fertilizer Applicator Credits: 3.0*

Now more than ever, application calls for a high level of training and professionalism. The applicator training sessions are must-attends for not just operators, but all of those involved with application.

- **WHAT IS VOLATILIZATION & FACTORS THAT INFLUENCE MOVEMENT**
Jon Rush, BASF Corporation
- **SETBACKS & BUFFERS**
Brian Verhougstraete, Michigan Department of Agriculture & Rural Development
- **REDUCING DRIFT**
John Garr, GarrCo Products, Inc.
- **CONTROL TECHNOLOGIES**
David Pieper, Junge Control Inc.
- **DRIFTWATCH**
Stephanie Regagnon, Fieldwatch
- **BEING LEGAL ON THE ROAD**
Sgt. Joe Austin, Commercial Vehicle Enforcement Division, Michigan State Police

Grain

CCA Credits: 3.0 CM

The grain industry has seen changes over the past year, with more to come in the future. Higher yields, transportation challenges, competing demand and new regulations make this an important session if you're in the grain business.

- **RAIL ISSUES**
Bruce Sutherland, Michigan Agricultural Commodities (MAC)
- **CONTRACTS & CONTRACTING**
David Barrett, Barrett Easterday Cunningham & Eselgroth LLP
David Barrett Handout
- **GRAIN QUALITY TRENDS & ISSUES**
Pat Frasco, Neogen
- **CORN UTILIZATION**
Jim Zook, Corn Marketing Program of Michigan
- **SOYBEAN DEMAND NOW & IN THE FUTURE**
Brian Meeuwsen, Zeeland Farm Services, Inc.
- **IMPACT OF LIVESTOCK & PROCESSING GROWTH ON THE GRAIN INDUSTRY**
Jim Hilker, Michigan State University

9:00 A.M. – 12:00 Noon – Concurrent Sessions continued in next column

9:00 A.M. – 12:00 Noon – Concurrent Sessions continued

Fertilizer

CCA Credits: 2.0 NM; 1.0 SW

While sourcing and availability remain issues to watch in the fertilizer industry, regulations and environmental concerns continue to grow. This session tackles current issues within the business and looks forward to future directions.

- **ON FARM STORAGE REGULATIONS**
Gary King, Michigan Department of Agriculture & Rural Development
- **MICRONUTRIENTS**
Dale Edgington, Advanced Micronutrient Products
- **FERTILIZER SUPPLY, AVAILABILITY & PRICING - PANEL DISCUSSION**
Darryl Perry, Mosaic
Ward Forquer, Oakley Fertilizer Inc.
Jim Blair, Wilbur-Ellis Co.
- **FERTILIZER ISSUES – PANEL DISCUSSION**
Moderator: Tim Boring, Michigan Agri-Business Association
 - **Tom Zimmnicki, Michigan Environmental Council**
 - **Richard Bowman, The Nature Conservancy**
 - **Joe Kelpinski, Michigan Department of Agriculture & Rural Development**

Industry Trends & Drivers

CCA Credits: 1.0 CM; 1.0 SW; 1.0 PM

Recertification Credits: 2.0 Category- Comm CORE, Priv CORE

Agriculture and the food industry are changing as consumer demand shifts... whether based on healthy eating, trend or fad. The opportunity, or challenge, for agri-businesses is to sort out what is enduring and how to meet that demand. This session will address many of those issues.

- **NEW GENERATION FOOD, CONSUMPTION & TECHNOLOGY TRENDS**
Vennie Gore, Michigan State University
- **ENVIRONMENTAL CONSIDERATIONS & MARKET OPPORTUNITIES**
Patrick Nellenbach, Star of the West Milling Co.
- **CONSUMER PERCEPTIONS OF AGRICULTURE**
Rita Herford, Gentner Bischer Farms
Justin Krick, Star of the West Milling Co.
- **RESEARCH, RESISTANCE, PESTICIDES & CROP NUTRITION; & THE FUTURE OF AGRICULTURE**
Doug Buhler, Michigan State University

9:00 A.M. – 12:00 Noon – Concurrent Sessions continued on next page

9:00 A.M. – 12:00 Noon – Concurrent Sessions continued

Big Issues

CCA Credits: 1.0 CM; 1.0 SW; 1.0 PD

Recertification Credits: 1.0 Category- Comm CORE, Priv CORE

There are many dynamics influencing Michigan agriculture that may fundamentally change the core of our business for years to come. The aging population of farmers, loss of specialty crop acreage, growth in dairy and other issues are the focus of this session. Learn what they may mean to you, and what you do.

- **FARM TRANSITIONS - IMPACT OF ECONOMIC HEADWINDS, AGE & LAND OWNERSHIP**
Mike Fassler, The Family Business Consulting Group
- **DAIRY NUMBERS & MARKETS**
Ken Nobis, Michigan Milk Producers Assn.
- **LOGISTICS & MARKETS**
Jim Byrum, Michigan Agri-Business Assn.
- **ENERGY & LIQUID FUELS**
James Northrup, Sustainable Partners LLC

12:00 Noon – Lunch - Bqt Rms 1-8

CCA Credits: 1.0 CM

Moderator: Brian Brink, Brink Farms, Inc.

- **A NEW MODEL FOR AGRICULTURAL TRANSACTIONS**
Amol Deshpande, Farmers Business Network
- **COMPLEX ISSUES REGARDING FOOD LITERACY & CHALLENGES TO THE INDUSTRY**
Sheril Kirshenbaum, Michigan State University
- **MICHIGAN AGRI-BUSINESS ASSOCIATION ANNUAL MEETING**

1:30 - 4:30 P.M. – Concurrent Sessions

Pesticide Applicator Discussion & Interaction - Radisson Hotel

CCA Credits: 1.0 SW; 2.0 PM

Recertification Credits: 3.0 Category- Comm CORE, Priv CORE
Certified Fertilizer Applicator Credits: 3.0

The afternoon applicator training session covers issues that pesticide and fertilizer applicators need to consider- from liability protection to following proper procedures. With changes coming to the industry, these topics are more important than ever.

- **RECORD KEEPING & WEATHER LOGS**
Aaron Phelps, Varnum LLP
- **SPRAYER HYGIENE**
Kevin Shelle, D & G Equipment, Inc.
- **INCIDENT RESPONSE**
Patrick Nellenbach, Star of the West Milling Co
Molly Mott, Michigan Department of Agriculture & Rural Development
- **COMMUNICATING WITH THE PUBLIC - APPLICATOR PANEL**
Jeff Smith, Crop Production Services
Ed Braun, Cooperative Elevator Company

1:30 P.M. – 4:30 P.M. – Concurrent Sessions continued in next column

1:30 P.M. – 4:30 P.M. – Concurrent Sessions continued

Weather & Environment

CCA Credits: 3.0 SW

Recertification Credits: 1.0 Category- Comm CORE, Priv CORE

The 2017 growing season featured intense rain events, short-term drought conditions, and unusual heat waves. Weather conditions are becoming increasingly variable, which has implications on forecasting and how companies are responding with technology.

- **SHIFTING WEATHER PATTERNS**
Jeff Andresen, Michigan State University
- **THE INFLUENCE OF CLIMATE VARIABILITY ON WEATHER**
John Allen, Central Michigan University
- **NIFA CLIMATE CHANGE MODELS**
Jeremiah Asher, Michigan State University Insititue of Water Research
- **MANAGING WEATHER FOR PRODUCTION AGRICULTURE**
Rick Mygroup & Kent Harris, The Climate Corporation
- **LEVERAGING TECHNOLOGY**
Jesse Vollmar, FarmLogs

Agricultural Economics & Credit

CCA Credits: 3.0 CM

This session examines the economic fundamentals of agriculture, from producer economic health to asset value and credit. Understanding these factors, and what they could mean to your customers, is crucial in the current industry environment.

- **PRODUCER ECONOMIC HEALTH**
Paul Anderson, GreenStone Farm Credit Services
- **DAIRY INDUSTRY ECONOMIC REALITIES & TRENDS**
Steve Cooper, Select Milk Producers, Inc.
- **LAND VALUES & RENTAL RATES**
Bill Sheridan, Sheridan Auctions
- **2017 AGRICULTURAL ECONOMIC OUTLOOK**
Tanner Ehmke, CoBank
- **AGRI-BUSINESS CREDIT STRATEGIES – PANEL DISCUSSION**
 - **Paul Anderson, GreenStone Farm Credit Services**
 - **Carl Kidder, Crop Production Services**

Livestock

CCA Credits: 2.0 NM; 1.0 CM

Continued growth in the livestock sector in Michigan can be expected, especially with dairy, layer and pork production. This session outlines the challenges, opportunities and “how-to’s” to help that sector grow.

- **FACILITY SITING & TRENDS**
Jim Johnson, Michigan Department of Agriculture & Rural Development
- **COMMUNITY CONCERNS**
Tom Zimmnicki, Michigan Environmental Council
- **HANDLING CAFO PERMITTING**
Bruce Washburn, Michigan Department of Environmental Quality
- **FEED & FORAGE DEMAND**
Clint Cherney, Harvey Milling Co.
- **IMPACT ON AGRONOMY SECTOR**
Jim Borowski, Providence Agriculture

1:30 P.M. – 4:30 P.M. – Concurrent Sessions continued on next page

1:30 P.M. – 4:30 P.M. – Concurrent Sessions continued

Logistics & Infrastructure

CCA Credits: 2.0 CM; 1.0 SW

Infrastructure is a critical inflicting factor in the state's agricultural economy. This session provides updates across the industry, including transportation, energy, and communication.

- **RAIL ISSUES**
Shasta Duffey, Lake States Railway Company
Rob Bingham, Genesee & Wyoming
- **RAIL OPPORTUNITIES & THINKING DIFFERENTLY**
Owen Zidar, WATCO Companies
- **WATER TRANSPORTATION**
 - Ballast Water Discharge Law
Kyle Bureson, Port of Detroit
 - Ports & Dredging
William Webber, Sargent Docks and Terminal
- **ENERGY**
 - Renewables – Solar
Ken Zebarah, Harvest Energy
 - CMS Update
Jessica Martin, CMS
- **BROADBAND**
Gavin Goetz, AT&T

3:00 P.M. – 6:30 P.M. Trade Show & Welcome Reception - Lansing Center Halls A & B

TUESDAY, JANUARY 9, 2018

7:00 A.M. Registration - Lansing Center Hall B

7:30 A.M. Breakfast/General Session – Lansing Center

CCA Credits: 1.5 CM

Moderator: Scott Dumaw, Crop Production Services

Sponsor: Consumers Energy

[Jim Herbert, Chairman of the Board, Neogen](#)

[Jim Herbert Comments](#)

Jesse Vollmar, CEO, FarmLogs

9:30 A.M. – 2:30 P.M. Trade Show

9:30 A.M. – Noon

Wheat Production Michigan Millers Association Winter Meeting - Radisson Hotel

CCA Credits: 0.5 NM; 1.0 CM; 1.0 PM

Recertification Credits: 2.0 Category- Comm CORE, Priv CORE

Moderator: Mary Kern, Star of the West Milling Co.

The annual gathering of the Michigan Millers Association examines the wheat production and market side of the industry, as well as issues unique to that sector.

- **POLITICAL UPDATE**
Jim Byrum, Michigan Agri-Business Assn.
- **MILLING & BAKING ISSUES**
Perry K.W. Ng, Michigan State University

Wheat Production Session continued in next column

Wheat Production Session continued

- **GENETICS**
Eric Olson, Michigan State University
- **SUSTAINABILITY & CUSTOMER DEMAND**
[Mary Tate, Kellogg](#)
- **ACREAGE TRENDS**
[Robert Geers, Michigan Agricultural Commodities \(MAC\)](#)
- **MICHIGAN MILLERS ASSOCIATION ANNUAL MEETING (MICHIGAN MILLERS MEMBERS ONLY)**

10:00 A.M. - 11:00 A.M. – Concurrent Sessions

Texting, Cell Phones & Company Liability Insurance

CCA Credits: 1.0 PD

The importance of liability protection can't be overstated, even for the smallest of companies. Learn the essentials of implementing a company policy regarding cell phone use in this session.

Kyle Wilson, USI Insurance Services LLC

Truck Weights, Permits & Enforcement

CCA Credits: 1.0 PD

We've been working with the County Road Association of Michigan on truck weights, especially during the spring thaw. Learn how to navigate the permit system, what is happening to streamline procedures, and steps you can take to expedite the application process.

Neal Hentschl, Huron County Road Commission

Paul Spitzley, Ionia County Road Commission

Ed Noyola, County Road Association of Michigan

Data Security

CCA Credits: 1.0 PD

Examining your system's data security and potential vulnerability should be a focus for all companies large and small. Learn how to protect your customers and internal business data...every member should have someone in attendance at this session.

Jessica Dore, Rehmann

Dicamba Application Training

CCA Credits: 1.0 PM

Recertification Credits: 1.0 Category- Comm CORE, Priv CORE

Let's be blunt if we want to keep this technology to help address weed resistance, the product needs to be handled correctly. This training will incorporate the latest information and requirements from the EPA and product manufacturers to help you meet all the new requirements.

Trevor Kraus, BASF

10:00 A.M. - 11:30 A.M. – Concurrent Sessions

Pollinator Health

CCA Credits: 1.5 PM

Recertification Credits: 2.0 Category- Comm CORE, Priv CORE

More and more attention on the protection of pollinators can be expected, and this session provides proactive management steps on the issue.

- **HONEY BEE HEALTH & CROP PROTECTION**
Tom Smith, National Pesticide Safety Education Center & MSU Institute of Agricultural Technology
- **DRIFTWATCH**
[Stephanie Regagnon, Fieldwatch](#)

10:00 – 11:30 A.M. – Concurrent Sessions continued on next page

10:00 – 11:30 A.M. – Concurrent Sessions continued

Women in Agriculture

CCA Credits: 1.5 PD

This is a special session aimed at addressing gender issues in the industry. From implicit bias to creating a more inclusive environment, this session offers a forum to advance discussing and addressing challenges and opportunities.

- Kelly Millenbah, Michigan State University**
- Lisa Stiles, FMC Corporation**
- Kristen Bonham, Monsanto**
- Michelle Behrenwald, AIS Construction Equipment Corp.**

11:45 A.M. Lunch – Halls A & B

2:30 P.M. - 5:00 P.M.

Attracting & Retaining Talent

CCA Credits: 2.5 PD

Finding and retaining employees is among the greatest challenges every business faces during periods of low unemployment. Learn some new strategies and find some new sources of people by attending this session.

- **GENERATIONAL CONSIDERATIONS**
Kelly Millenbah, Michigan State University
- **WORKPLACE**
Jim Ruhlman, Michigan Sugar Company
- **RURAL LOCATIONS**
Tim Mroz, The Right Place, Inc.
Rachel Bartels, Hello West Michigan
- **VETERANS**
Dylan Thomas, Michigan Veterans in Agriculture Network

Cover Crop Management

CCA Credits: 2.5 CM

Recertification Credits: 2.0 Category- Comm CORE, Priv CORE

Managing cover crops requires a higher level of management, but can lead to big gains. From managing the agronomic system to navigating cost-share processes, there are plenty of opportunities for trained crop advisors to deliver value to producers.

- **THE BIOLOGY OF COVER CROPS**
R. J. Rant, Nutrilink Biosystem LLC
- **DIFFERENT TYPES, PLUSES & MINUSES**
Scott Wohltman, LaCrosse Seed LLC
- **COVER CROP TERMINATION**
Erin Hill, Michigan State University
Paul Gross, Michigan State University
- **BARRIERS TO IMPLEMENTATION**
Julie Doll, Michigan State University
- **COST SHARE ASSISTANCE**
Ben Wickerham, The Nature Conservancy

Manure Applicator Certification - Radisson Hotel

CCA Credits: 2.5 NM

Recertification Credits: 2.0 Category- Comm CORE, Priv CORE

This will be the inaugural training session for the new MABA Manure Applicator Certification program. This situation will become more and more contentious as time passes, so better to be ahead of the curve than behind. If you have producers that should be certified, urge them to attend and participate in this session.

Manure Applicator Certification Session continued in next column

Manure Applicator Certification Session continued

- **ISSUES ON THE HORIZON**
Tim Boring, Michigan Agri-Business Assn.
- **OVER THE ROAD TRAVEL**
Denise Donohue, County Road Assn. of Michigan
Neal Hentschl, Huron County Road Commission
- **RUNOFF RISK DECISION SUPPORT TOOLS**
Jason Piwarski, Michigan State University Institute of Water Research
- **MANURE CERTIFICATION PROGRAM**
Charles Gould, Michigan State University Extension

Managing Risk in Agri-Business

CCA Credits: 2.5 PD

There is more and more legal and ethical risk associated with agriculture. This session explores ways to protect you and your business from those risks, and making sure your insurance coverage is everything it needs to be.

- **REVIEWING YOUR INSURANCE COVERAGE**
Micah Teets, Kapnick Insurance Group
Micah Teets Food & Agri-Business Handout
Micah Teets Risk Solutions Handout
Amy DeKeyser, Kapnick Insurance Group
- **PRODUCT RECALL COVERAGE**
Adam Nisenson, Marsh USA, Inc.
William Harrison, Marsh USA, Inc.
- **VEHICLE & DRIVER POLICIES**
Jim Wagner, Helena Chemical Co.
- **DATA SECURITY**
Jessica Dore, Rehmann
- **FACILITY SECURITY & SUSPICIOUS ACTIVITIES**
James Doyle, King Milling

Managing Resistance

CCA Credits: 2.5 PM

Recertification Credits: 3.0 Category- 1A, Comm CORE, Priv CORE

Pest control continues to be increasingly challenging, with an overreliance of many control measures potentially creating larger issues down the road. From weeds to insects to diseases, implementing control strategies aimed at limiting resistance is crucial. These issues aren't limited to row crops, and are already being felt in specialty crops.

- **HERBICIDE RESISTANCE IN MICHIGAN**
Christy Sprague, Michigan State University
- **INSECTICIDE & TRAIT RESISTANCE**
Chris Difonzo, Michigan State University
- **MANAGING FUNGICIDE RESISTANCE**
Martin Chilvers, Michigan State University
- **IMPACTS OF NEW PESTS - SPOTTED WING DROSOPHILA**
Nikki Rothwell, Michigan State University

Mid-West Grad Student Research Forum

CCA Credits: 1.0 NM; 1.0 PM; 0.5 CM

Recertification Credits: 1.0 Category- Comm CORE, Priv CORE

This session brings together a group of agricultural grad students from across the Midwest to discuss their research, which is pretty cutting edge and innovative. Come listen to the next generation! A schedule of topics and presenters will be available at registration.

WEDNESDAY, JANUARY 10, 2018

7:30 A.M. Registration – Lansing Center

8:00 A.M. Breakfast – Lansing Center

CCA Credits: 1.0 PM

Recertification Credits: 1.0 Category- Comm CORE, Priv CORE

- **GREEN PROGRAM AWARDS**
- **DICAMBA, TECHNOLOGY & THE FUTURE**

John Chambers, Monsanto

9:00 A.M. – 12:00 Noon – Concurrent Sessions

2018 Michigan Water Symposium

CCA Credits: 1.0 NM; 2.0 SW

Water quality will be a defining issues for agriculture moving ahead. This explores new research, concerns beyond just nutrient losses, and the latest in best management practices.

- **TOXIC PLANKTOTHRIX BLOOMS REQUIRE DIFFERENT MANAGEMENT THAN MICROCYSTIS BLOOMS**
George Bullerjahn, Bowling Green State University
- **WATER QUALITY RESEARCH**
**Jeremiah Asher, Michigan State University
Institute of Water Research**
- **E. COLI CONCERNS**
**Shannon Briggs, Michigan Department of
Environmental Quality**
- **MICHIGAN SOURCE WATER PROTECTION**
**Elizabeth Lillard, National Wildlife Federation
Kelly Hon, Michigan Rural Water Association**
- **EXPANDING TILE DRAIN MANAGEMENT**
Mary Fales, The Nature Conservancy
- **WHAT WE KNOW WORKS TODAY**
Tim Boring, Michigan Agri-Business Assn.

Herbicides & Technology Platforms

CCA Credits: 2.0 PM; 1.0 CM

Recertification Credits: 2.0 Category- 1A, Comm CORE, Priv CORE

New technologies continue to offer improved pest control options, but properly positioning and managing these platforms is essential to capturing value. This session delves deep into strategies to maximize returns on these systems.

- **DICAMBA LABEL UPDATE**
Rod Stevenson, Monsanto
- **BALANCE GT WEED CONTROL SYSTEM**
Dave Lamore, Bayer CropScience
- **ENLIST WEED CONTROL SYSTEM**
Dave Hillger, Dow AgroSciences
- **RESIDUAL HERBICIDES & MODE OF ACTION**
Trevor Kraus, BASF Corporation

Biological Systems

CCA Credits: 1.0 SW; 1.0 CM; 1.0 NM

Recertification Credits: 2.0 Category- Comm CORE, Priv CORE

Improving the biologic aspects of agronomic systems is going to be the next major area of advancement in the industry. From biologic properties in the soil to biologically based inputs, there are plenty of new aspects to consider.

Biological Systems Session continued in next column

Biological Systems Session continued

- **SOIL HEALTH: AN ECOSYSTEM PROPERTY**
R.J. Rant, Nutrilink Biosystem LLC
- **CURRENT ISSUES IN SOIL BIOLOGY**
Lisa Tiemann, Michigan State University
- **BIOLOGICALS & FERTILITY**
Mark Shannon, Pathway Biologic
- **ROLE OF BIOLOGICALS FOR SUSTAINABLE DISEASE MANAGEMENT**
Bond McInnes, AgBiome

Soil Management

CCA Credits: 2.0 SW; 1.0 NM

Managing the soil itself is getting more and more attention, and this session explores new perspectives beyond just tillage and fertilization. These are essential areas of expertise to provide whole-farm agronomic recommendations.

- **RESIDUE MANAGEMENT**
Stephanie Smith, Yield 360
- **BASE SATURATION**
Jamie Bultemeier, A&L Great Lakes Laboratories
- **ECONOMICS CONSIDERATIONS OF FARM PRACTICES**
Andrew Hasenick, Hasenick Brothers LLC
- **ROLLING SOYBEANS**
Mike Staton, Michigan State University Extension

Seed Treatment Workshop

CCA Credits: 3.0 PM

Recertification Credits: 3.0 Category- 4, Comm CORE, Priv CORE

This is a credit earning session for those engaged in treating seed. The technology used for treating continues to evolve and as more products come to the market, it's critical that operators stay up to date on the latest seed treatment procedures, regulations, and practices.

- **Bret Henderson – Syngenta Seedcare Specialist**
- **Sandy Baker – Syngenta Seedcare Application Lead**

Farm Economy Trends & Issues

CCA Credits: 3.0 PD

Issues abound in production agriculture and this session covers the most pressing trends and how they could impact you and your business.

- **FOOD TRENDS, SUSTAINABILITY & PRODUCTION OPPORTUNITIES**
Kristin Tupa, Cargill
- **TRADE AGREEMENTS**
Max Fisher, National Grain & Feed Association
- **GRAIN TRADE & OUTLOOK FOR 2018**
Mark Talaski, Advance Trading, Inc.
- **ORGANICS & MORE**
Matt Hahn, Everbest Organics
- **CRP & FARM BILL CONSERVATION PROGRAMS**
Mary Fales, The Nature Conservancy
Max Fisher, National Grain & Feed Association

9:00 A.M. – Noon. – Concurrent Sessions continued in next column

9:00 A.M. – Noon. – Concurrent Sessions continued

Fundamentals of Grain

CCA Credits: 3.0 CM

Procuring grain requires a firm understanding of market forces, the ability to communicate that information to producers, and skill in assessing grain quality coming into the elevator. This sessions hits on these topics and more.

- **MACRO ECONOMIC DRIVERS**
Mark Talaski, Advance Trading, Inc.
- **SOCIOLOGY OF PRODUCERS**
Rick Hollister, The Andersons, Inc.
- **GRAIN QUALITY & GRADING**
Duane Geiger, Michigan Agricultural Commodities (MAC)

12:00 Noon Lunch – Lansing Center

CCA Credits: 1.0 SW; 0.5 NM

- TBD

1:30 P.M. – 3:30 P.M. – Concurrent Sessions

Compost & Organic Amendments

CCA Credits: 1.0 SW; 1.0 NM

The role of compost and humic soil amendments in promoting soil health continues to grow, but proper management requires an understanding of the products, market forces, and requirements of application.

- **THE AGRICULTURAL MARKET**
Brad Morgan, Morgan Composting, Inc.
- **AGRONOMY SOIL HEALTH CONSIDERATIONS**
Edwin Suarez, Midwestern BioAg, Inc.
- **BIOSOLIDS REQUIREMENTS**
Mike Person, Michigan Dept. of Environmental Quality
- **DEMAND & CONSUMPTION TRENDS**
Charles Gould, Michigan State University

Soybean Production

CCA Credits: 1.0 NM; 1.0 CM

Recertification Credits: 1.0 Category- 1A, Comm CORE, Priv CORE

The soybean check-off operates one of the largest on-farm research programs in the country, providing a unique evaluation process of products and management techniques. Hear 2017 research results, as well as additional research efforts of the check-off program.

- **SUMMARY OF THE 2017 SMART ON-FARM RESEARCH RESULTS**
Mike Staton, Michigan State University Extension
- **CRITICAL SOYBEAN PRODUCTION ISSUES ADDRESSED BY CHECK-OFF FUNDED RESEARCH – CURRENT PROJECTS**
Mark Seamon, Michigan Soybean Promotion Committee

1:30 P.M. – 3:30 P.M. – Concurrent Sessions continued in next column

1:30 P.M. – 3:30 P.M. – Concurrent Sessions continued

Grain Fumigation

CCA Credits: 2.0 PM

Recertification Credits: 2.0 Category- FUM

This session is designed for those that use fumigation products, covering both the fundamentals and more advanced tricks of the trade.

Quinn Schroeder, Fumigation Service & Supply, Inc.

Sugar Beet, Dry Bean & Saginaw Valley Issues

CCA Credits: 1.0 CM; 1.0 PM

Recertification Credits: 1.0 Category- 1A, Comm CORE, Priv CORE

The sugarbeet and dry bean industries continue to evolve, with potential changes in the sugar program, trends in consumer demand and production strategies to maximize yield...to say nothing about trade issues! Hear the latest on these important ag sectors in this session.

- **2017 DRY BEAN EXPERIENCE & IMPLICATIONS FOR 2018**
Larry Sprague, Kelley Bean Company
- **DRY BEAN MARKET TRENDS & PROJECTIONS**
Joe Cramer, Michigan Bean Commission
- **SUGAR BEET PEST MANAGEMENT ISSUES**
Corey Guza, Michigan Sugar Company
- **SUGAR POLICY ISSUES**
[Ray VanDriessche, Michigan Sugar Company](#)
- **SAGINAW VALLEY ACREAGE TRENDS & DRIVERS**
Jim Howe, Star of the West Milling Co.

Alfalfa & Forage Production

CCA Credits: 1.0 NM; 1.0 CM

Recertification Credits: 1.0 Category- 1A, Comm CORE, Priv CORE

Increasing livestock numbers means an increased need for forages in the rotation. This session focuses on management approaches to ensure high quality feed stuff production.

- **CHOOSING QUALITY FORAGES FOR HIGH PRODUCING COWS**
Michael Laird, Winfield United
- **MEETING FORAGE DEMAND**
[Kim Cassida, Michigan State University](#)
- **ENVIRONMENTAL IMPACTS ON QUALITY**
Dann Bolinger, Pioneer
- **ALTERNATIVE FORAGES**
[Scott Wohltman, LaCrosse Seed LLC](#)

2018 Planting & Production Intentions & Issues

CCA Credits: 1.0 CM; 1.0 NM

2018 decisions are a bit up in the air, but hear the latest on driving factors intentions for a number of Michigan ag sectors as well as what producers are thinking regarding crop fertility and pest protection.

- **WHEAT, CORN & SOYBEANS**
[Robert Geers, Michigan Agricultural Commodities \(MAC\)](#)
- **LIVESTOCK & DAIRY**
Travis Marshall, Harvey Milling Co.
- **POTATOES, CUCUMBERS & VEGETABLES**
Ben Kudwa, Michigan Vegetable Council
- **PRODUCER ATTITUDES & THINKING ABOUT INPUTS**
Mike Fossum, Helena Chemical Co.