

2017 MAAE SUMMER CONFERENCE

MONDAY, JULY 10

9:00-12:00 MAAE Officer Meeting

12:30-3:00 MAAE Pre-Conference Board Meeting

1:00-4:30 Continuing Education Workshops

Vet Tech Programming & Tour – Ridgewater College – Dr. Allen Balay

Allen will go over the use of stethoscopes and other equipment including triage. He will discuss accreditation essentials for vet tech programs along with job opportunities for Vet Tech graduates. There will be a tour of the Vet Tech area and a demonstration of some of the advanced skills equipment used. He will also discuss what high school should/could be teaching to help students that want to enter the Vet Tech Program.

Horticulture/Greenhouse Management/Landscaping – Staff, Hennepin Technical College
Landscape and Horticulture instructors for Hennepin Technical College will facilitate a workshop to assist you and your students in the understanding an application of landscape, horticulture, garden, and greenhouse management.

UAS/Drone Workshop – Mike Mastey, FBM Instructor, Ridgewater College

Workshop will meet at Ridgewater College. Our plan is to spend a good portion of the afternoon outside setting up difference drone platforms, planning flights, and performing flights to collect data. We will also look at programs that can be used to process the data collected and how it can be used in the classroom or with farm producers. Please bring a 16GB or larger USB drive with if you would like to take your images and electronic materials with you after the workshop. If weather does not allow for outdoor flights, we will do some indoor flights and spend more time looking at data processing and analysis. **WORKSHOP IS LIMITED TO 15 PARTICIPANTS.**

1:00-2:30 Workshop

Grain Marketing / Ethanol Industry – Brody Padgett, Commodities Manager, Chippewa Valley Ethanol Company (CVEC), Benson, MN

The ethanol industry has matured into a critical consumer of US corn. 15 year ago, ethanol accounted for 10% of US corn usage and now accounts for 37%. Come gain an industry perspective on ethanol production, with discussion of production trends, profitability outlook, foreign trade and government policy. Also, hear some of the unique offerings CVEC is utilizing to add value and capitalize on evolving consumer preferences.

3:00-4:30 Workshop

Farm Lender Panel –

Lenders will share items they look for in financial ratios for lending purposes, common mistakes they see in cash flows, balance sheets, of FINANS, and what FBM instructors can focus on to improve from a financial management standpoint. Lenders will also discuss what they like to see in the “ideal customer” and give the high and low point of FBM from their perspective.

1:00-TBD PEP Meeting

1:00-3:30 CDE Committee Meeting

3:30-5:00 SAE Committee Meeting

3:30-5:00 Ag-Ed Intern Meeting

- 4:00 Region 5 Planning Meeting
5:00 Recreational activities
6:00 Past President's Dinner – Reception @ 6:00, Dinner @ 6:30

TUESDAY, JULY 11

AM

- 7:30-4:00 Exhibitors Display
7:30-9:30 Conference Registration
8:00-9:00 TIP / PEP / PIM / Ag-Ed Intern Meetings
9:30-10:30 Opening Session
10:30-11:15 Regional Meetings
11:30-1:00 Luncheon – Voting for 2017-2018 Officers

PM

- 1:00-2:00 Dedicated Exhibitor Time
2:00-5:00 Sectional Meetings (High School, Post Secondary, and Farm Business Management)
5:30 Picnic and Volleyball
8:00 Retirement Roast - this activity is open to **ALL** conference attendees.

WEDNESDAY, JULY 12

- 7:00-8:30 Agricultural Trade Association Breakfast – Buffet breakfast served from 7:00-7:30
MAAE Director Recognition

- 8:30-9:30 Ag-Ed Updates
9:30-10:00 Regional Meetings
10:00-11:15 MAAE Annual Meeting
11:30-12:45 Light Luncheon

PM

1:00-5:00

Tours

[Revier Cattle Company](http://reviercattle.com/)

This family farm near Olivia, MN raises 12,500 certified Angus beef cattle. If you have eaten a burger at the Green Mill, you have eaten Revier beef. Brothers Tom and Dave Revier continue the tradition of raising high quality cattle by sticking to this motto – “Premium Cattle + Excellent Feed/Facilities = High Quality Sustainable Beef”. Review Cattle Company raises most of their feed locally to reduce their carbon footprint and also utilize food by-products. You will be able to tour the state of the art headquarters, feed handling facility, covered slotted feedlot, and manure separation facility.

<http://reviercattle.com/>

<https://youtube.be.3cEpcDFFMcw>

Jennie-O Turkey Company

At Jennie-O Turkey Store, we believe that eating well shouldn't come at the cost of taste. And since 1940, we've been in the business of delivering on that mantra. From deli meats to whole turkeys to ground turkey and sausages, we offer more than 1500 products and recipes that make it easy to eat well. Our history, mission and ongoing commitment to innovation make Jennie-O turkey Store what we are today-a recognized name in turkey products worldwide. This Willmar based company distributes products in 27 countries, employs nearly 7,000 and is a recognized leader in the turkey industry for 70+ years. The tour will include a production area tour, R& D kitchen facility and discussion of live production.

<https://www.jennieo.com>

Riverview/Meadow Star Dairy

Meadow Star is an 8500 cow dairy and is part of Riverview LLP. Riverview has 11 dairy farms in Minnesota, South Dakota, and Arizona. The dairy calves are raised in New Mexico and the heifers in Arizona. They are also breeding beef genetics with their dairy cows to provide beef through the Wulf Cattle Brand division of Riverview LLP. Join us for a tour of the dairy and some hands-on experiences with artificial insemination and nutrition. The tour will include an insider's look at the carousel milking area, hospital, breeding pens, maternity, and nursery. Please dress for the occasion in pants and a shirt, along with closed toe shoes. Boot covers will be provided along with all safety gear.

<http://www.riverviewllp.com/>

Bushmills Ethanol

Bushmills Ethanol located in Atwater, Minnesota is a cooperative made up of 415 farmers and opened in December 2005. This dry mill ethanol plant produces 65 million gallons of ethanol year. Tour will show the handling and storage of grain, processing, and final product. A short hands-on lab/activity will be incorporated before or after the tour. Please wear appropriate footwear while touring the plant (no sandals or open toed shoes). Hardhats and safety glasses will be provided. This tour is limited to 35 guests.

<http://www.bushmillsethanol.com/index.htm>

RELCO

RELCO, LLC provides dairy, food, and pharmaceutical plants with customized food processing equipment, systems and automation through design, engineering, stainless steel fabrication and installation. Food processing applications are for cheese, fluid milk, cultured dairy products, milk powders, whey, lactose, milk and whey permeate, milk and other edible fats, soymilk and soy products, yeasts, fruit juices and beverages, soups and sauces, dry bulk solids conveying/ packaging and pharmaceutical ingredients.

<http://relco.net/>

Nova-Tech / Mid-Central Research and Outreach Center

Nova-Tech was established in 1992 as a 2-person company in Willmar. They hold 7 US patents and employ over 125 professionals and their equipment can be found in over 300 hatcheries in in more than 46 countries and 6 continents around the world. They understand that the need to feed an expanding global population with static or decreased resources will require that agricultural practices become more efficient, more effective and more enterprising than ever before. We will be part of this effort. On the MinnWest Technology Campus, we will also take a tour of the Mid-West Research and Outreach Center, where we focus on avian research and biosecure entry education.

1:30-5:00 Continuing Education Workshops

Tackling Stress With The Prime Performance & Recovery Method – Dr. Erica Thieman, Associate Professor, University of Illinois at Urbana – Champaign

This workshop will provide participants with the opportunity to wear a monitor (measures heart rate, respiration, and motion) for a five-day period to learn more about how your lifestyle choices are impacting your performance and recovery in addition to relationships with others. Prime Performance & Recovery, co-founded by Dr. Thieman, will work with you on an individual and personalized basis to help you understand how your body works at a deeper level. Once you understand the inner workings of your body better, you can then use that knowledge to your advantage to make choices that will optimize your recovery and improve performance.

***Sign-up required before MAY 5 to allow for distribution of heart rate monitors to all participants to be worn while you are still in school session. ADDITIONAL INFORMATION WILL BE E-MAILED DIRECTLY - \$25 DEPOSIT REQUIRED BY MAY 5. You DO NOT need to wear the monitor to participate in this workshop.

Your Body, Your Connection, Your Relationships, Your Career and Your Contribution - Mark Jewell, Consultant & Trainer

Are you feeling overwhelmed in any one area? Are you feeling like you have lost control over your life? Is your work taking most of your time and your feeling burnt out? Join us for the time with trainer Mark Jewell and gear up for the RPL program for the year to get back to balance.

1:30 Team Ag-Ed Meeting

6:30 MAAE Annual Banquet

9:00 Reception for Award Recipients

THURSDAY, JULY 13

AM

8:00-11:30 Continuing Education Workshops

FBM SESSIONS – THREE HOUR WORKSHOP

On-line FBM and Introduction to D2L – Nate Converse and Lori VanOverbeke, FBM Instructors; Mike Kutzke, Ridgewater College Dean of Instruction

This workshop will focus on on-line learning tools to help the participants gain understanding and a comfort level with D2L Brightspace. These tools offer many useful applications from full on-line to hybrid on-line and in-person options. By the end of this workshop, participants will learn how to – log into D2L, import/export course components, navigate the home page, upload files & create videos, view user progress and utilize the grade book, assignment folder and quizzes.

FBM SESSION - 90 MINUTE WORKSHOP

8:00-9:30

On-Line Marketing Courses and Hybrid Marketing Groups – Betsy Jensen, NCTC FBM Instructor

There is an on-line commodity marketing course waiting for you. Do you want to teach it? Do you want to personally enroll? Would you like to teach a hybrid marketing course with combinations of face to face, webinars, and on-line? Learn about your options.

FBM SESSION - 90 MINUTE WORKSHOP

10:00-11:30

Discovery Farms and Buffer Strip Update – Jeremy Geske, MN Agricultural Water Resource Center

Discovery Farms: An in-depth explanation of the Discovery Farm Program, including lessons we are learning from edge-of-field research on actual working farms across Minnesota.

Discovery Farms is a unique program in that it is farmer-led, credible water quality research being conducted on representative farmers across Minnesota. Farms apply to be accepted, and are chose by a board of farmer leaders with input from the DF research staff. When a site is identified, monitoring equipment is put in place for year-round monitoring of every form of precipitation that falls on the site, and every drop of water that leaves via surface run-off and through tile drainage. All the water that leaves is sampled and tested for sediment, nitrate and phosphorus. Data is third-party reviewed and analyzed by the MN Department of Agriculture.

Minnesota's Buffer Requirements: An overview of the recent buffer regulations and what it means for farmers and rancher in Minnesota. Two year ago, Governor Dayton announced his plan to require 50-foot buffers around all waters of MN and drainage ditches. The legislature then passed some compromise legislation to enact much of what the Governor wanted. The legislature made some adjustments to the legislation last year, and are currently debating additional changes to the law. The deadline for buffers being in place is rapidly approaching. Farmers (and all landowners who have lakes, rivers or ditches on their property) need to be aware of their options for complying with these requirements.

HIGH SCHOOL SESSIONS – THREE HOUR WORKSHOPS

GIS for Agriculture – Curt Yoose, Ag-Ed Instructor, Ridgewater College

Participants will get hands-on experience using Agleader SMS software to complete various projects. Expected outcome is a better understanding of GIS and its potential uses in production agriculture.

Practical Hydraulics – Staff, Ridgewater College

Basic hydraulic principals will be covered. Learn different hydraulic systems (open center, closed center, load sense) utilizing the FPTI hydraulic simulator.

Dairy Nutrition – Staff, Ridgewater College

The workshop will cover the basics of how a ruminant digestive system works and include hands-on activities showing how diets are formulated, along with the basics of putting up good forages. Outdoor activities will be included, weather permitting.

DNR Firearms Safety Instructor Certification – Frank Rezac, Minnesota DNR, Enforcement Division

Have you ever desired to become a Firearms Safety instructor? We can get you certified right here at the conference. Our RTO will supply you with the instructor handbook and information on how to conduct your own Firearms Safety Certification courses. Participants will be contacted prior to conference with a link to complete a small amount of paperwork prior to conference.

Rock The Shop – Neil Pearson and Tracy Nelson, Ag-Ed Instructors

This workshop will focus on shop management, class set-up, course outlines, and labs. We will discuss small engines, electrical wiring, welding, and home repair. The workshop will be very straight forward with ready to use resources. This workshop is meant to help take the intimidation out of teaching shop classes.

HIGH SCHOOL SESSIONS – 90 MINUTE WORKSHOPS

8:00-9:30

Voices From The Dark Side – William Delaney, Ag-Ed Instructor

Have you ever wondered exactly what the boss wants in a school setting? Do you scratch your head in the spring as requisitions are needed so early? Listen to why things are done as they are in schools driven by the calendar rather than common sense. A former administrator will answer questions and share how the world is looked at from the other side.

SPED (Super Productive Educational Delivery) In the Ag Room – Becky Haddad, Ag-Ed Instructor

SPED (Super Productive Educational Delivery): Interventions and IEP's are growing needs of students in our classrooms. Learn about great modifications, accommodations, and interventions to aid in student success with a SPED teacher and agriculture teacher.

Standards Based Grading / Work Based Learning – Joel Larsen, Minnesota Department Of Education

Is your school making the shift? What would standards based grading look like in the Agriculture classroom? Experts from MDE will assist in offering program suggestions and curriculum development if your school is transitioning to Standards Based Grading. MDE presenters will also discuss all aspects of Work Based Learning.

HIGH SCHOOL SESSIONS – 90 MINUTE WORKSHOPS

10:00-11:30

AgriGrowth Job Exchange: Connecting Talent to Opportunity – Erin Olson, RealTime Talent

The AgriGrowth Job Exchange is a cutting-edge online job matching system that is changing the way people find work in the Agriculture industry. By matching candidates to opportunities posted by employers based not only on skills and requirements, but also on job interests and workplace preferences, the Exchange cuts the time it takes for job seekers to find the position that fits their needs and for employers to find candidates that will be successful. Attendees will learn about the features of this groundbreaking platform and become acquainted with its unique matching approach, being guided through a demo of the site from the perspective of a job-seeker. At the end of the session, attendees will know how to direct the students and job-seekers to this tool, understand how it can be used in a career services capacity, and be able to share information about the platform with employers in their network.

Teaching Communications In The Classroom – Becky Haddad, Ag-Ed Instructor

Build leadership in your classroom by teaching students to effectively work in groups from the outset. Team building and leadership beyond FFA will boost your productive classroom!

Online Curriculum for the Agriculture Classroom – Mark Johnson, iCEV

Come learn about iCEV's online curriculum resources for the Agriculture classroom! Easy to use course management tools, such as automatic testing and grading and timesaving lesson plans, make classroom implementation a breeze, while thought-provoking student projects and interactive activities enhance student learning and retention. Each lesson is driven with either a video or PPT presentation. Through the completion of regular coursework, students can earn industry backed certification. In-depth career exploration as well as college and career readiness lessons are also included in this all-encompassing curriculum resource.

Summer/Extended Grant Writing – Joel Larsen, Minnesota Department of Education

Never written a grant before? Don't understand the requirements for the summer/extended grant program? Still have questions on the process and procedure? Then you need to attend this workshop to have your questions answered and review the entire summer/extended grant program.

12:30 Post Conference Board Meeting

12:30-4:00 Continuing Education Workshops

FBM SESSION – THREE HOUR WORKSHOP

FINPACK Update – Dale Nordquist, CFFM

This workshop will tackle some of the FINAN closeout issues that keep coming up. For example, we will discuss how to handle cover crops, allocating fertilizer to soybeans, allocating lime over multiple years, how to handle genomics in dairy, and much more. We will spend time surfacing the issues and come up with proposed correction procedures. In addition, the new hybrid cash flow planning tool will be unveiled. Come and see what is new with FINPACK!

HIGH SCHOOL SESSIONS – THREE HOUR WORKSHOPS

Google Apps/Classroom Technology – Lance Brune, Ag-Ed Instructor

Looking to integrate technology into your Agriculture courses? This workshop will cover the SMAR model, Learning Management Systems, Google Platform, Apple TVs/Smart TVs vs. projectors and Smartboards. Bring a favorite lesson and we will use the SAMR model to integrate technology into this lesson and share with our fellow agriculture teachers! Will tour a new 21st century classroom!

Outdoor Survival – Brian Albers, Ag-Ed Instructor

Whether you're looking to add some natural resources fun to your curriculum, or simply want to try something new at conference, please join me in this workshop on outdoor survival. I'll have you try things I do with students and discuss outdoor activities you can try. After this session you will be able to debunk myths, find safe wild foods to eat, and perhaps buy your own copy of the Army survival guide to have as a coffee table book! Topics covered include finding water, finding food, emergency shelters, emergency triage for wounds, hyper/hypothermia and fire starting without matches.

Trailer Wiring – Randy Barka, Ag-Ed Instructor, Ridgewater College

We will cover wiring of a trailer using a small tubing frame that can be built in welding class and then used as a tool to do the wiring of lights and brakes with the correct wire size, connectors and plug-ins.

Plant Nutrient Management – Staff, Ridgewater College

This workshop will look at various ways of making productive nitrogen recommendations while also being conscious of water quality. Primary fertility along with secondary and micronutrient recommendations will be explored as well. This will be done by looking critically at the state recommendations, cation exchange capacity, pH, Bray vs. Olson phosphorus tests, wet chemistry plant tissue test and DRIS test and other plant nitrogen tests. This is an in depth look using testing to aid in making recommendations aimed at high yields.

HIGH SCHOOL SESSIONS – 90 MINUTE WORKSHOPS

12:30-2:00

Retirement Planning – William Delaney

You just started and they are asking questions about retirement. Or you have been paying into or having resources taken from your paycheck and it goes where? You have less than 10 years until retirement, what items should I be aware of to enjoy the fruits of your labors. Come get answers to questions and better understand the whole process now or in the future as to how it will affect you.

Effective Web Presence – Becky Haddad, Ag-Ed Instructor

Social media got you feeling anti-social? Let's develop an effective website and explore tools to boost your online presence (without adding to your workload).

AgCentric Technology Trailer – AgCentric Staff

If you have never experienced the AgCentric Technology Trailer then this workshop is for you. This workshop will focus on the technology equipment that is currently in the trailer and the new technology that is being added. Curriculum and lesson plans are currently being developed for the technology trailer and are anticipated to be ready for distribution at this workshop.

HIGH SCHOOL SESSIONS – 90 MINUTE WORKSHOPS

2:30-4:00

Ag Experience Tracker Time! - Instructor Panel

Come ready to work for an AET work session. Have your questions answered by top users in the state of Minnesota to help you use AET effectively in your chapter.

Grafting In The Classroom – Ben Johnson

Grafting in the classroom offers a unique avenue to teach plant science. In this workshop we will learn how you can use grafting to teach plant anatomy, morphology, taxonomy, plant propagation, plant selection and more. This is a great low-cost activity to get students excited about plant science. We will also look at how we can add a little bit of math, technology and reading into this curriculum. Each participant will have the opportunity to get a hands-on experience with grafting as well as setting up a low-cost healing chamber for your plants. We will be using tomatoes for the grafting process and perhaps will throw a few other items in for fun – perhaps trying to graft a tomato onto a potato.

CDE Open Forum – CDE Committee

The CDE committee will be hosting an open forum to discuss and evaluate current CDE opportunities available to students. We would like to go through the rules of the events the activities involved in the events and look at possible ways to improve these events. We will be looking at and evaluating the following CDE's: Ag Mechanics, Dairy Cattle, Ag Sales, Ag communications. We would like input from the MAAE membership as we look at these events and how they line up with National. Presenters will be members of the CDE Committee along with input from Dennis Bjorklund.