



Minnesota Crop Production Retailers

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2019 CPM Short Course and MCPR Trade Show

Attend the Best – Don't Settle for Less!

Register right now for the December 10-12 Program at the Mpls Convention Center and reserve your room at the Mpls Downtown Hilton Hotel. But hurry! We always sell out the Hilton rooms! You owe it to your organization, your customers...and YOUR SELF! You can expect the biggest and best program of its kind in the Upper Midwest geared for ag agronomy professionals and the industries that you serve and support you brought to you by the highly respected MN Crop Production Retailers and the U of MN Extension Professionals. With a trade show unequalled in relevance to our industry, how can you go wrong. And...we have held the line on the registration costs and trade show exhibitors to ensure a strong attendance again this year.

Program Content

Soil Health – What's All This About Soil Health?



Anna Cates is the Soil Health Specialist leading the MN Office for Soil Health (MOSH) which is housed within the Department of Soil, Water, and Climate at the University of Minnesota. Anna holds a Master of Science in Soil Science and

a PhD in Agronomy from the University of Wisconsin-Madison. She's working on expanding the tools and skills of Minnesota's local conservation delivery community and is interested in how retailers can address soil health and protect soil as they support robust farm businesses. Anna will give MCPR members information on how and when to apply soil health testing.



Mitchell Hora, an Iowa grower, will provide his experience and data he is collecting from other growers and his views on soil health through cover crops

and the problems of lack of quantifiable soil health data and standards. Mitchell asks if soil health will be standardized and benchmarked to provide a foundation for farm productivity, land value, crop premiums, and sustainable sourcing? Mitchell has gained notoriety through a MN Public Radio Podcast "Field Work" and is promoted as a grower who has pulled back the curtain on life on the farm.

4R Certification Around the World and the 4 R Certification Pilot Project in Minnesota

Did you know that the major fertilizer

industry association has sold most ag leaders and ag regulators and public policy makers in the USA and Canada on the 4 R's as the leading indicator of sustainable fertilizer crop inputs? Furthermore, are you aware that the 4 R's has a certification program that has been successful in the Ohio Lake Erie basin as ag fertilizer practices have come under fire as destroying recreation and consumer safety? Did you know that MN has a

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Executive Director's Report



Hello MCPR members, My wife, Sue, and I, had a chance to be MN State Fair volunteers staffing the Minnesota NRCS-Little Farm Hands exhibition featuring several educational activities about soil health and the value of fertilizer in the production of food. We just happened to pick a Saturday which recorded the second-highest daily attendance (266,412) in the history of the Fair. Located on machinery hill, this year the Minnesota NRCS-Little Farm Hands

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4 R Certification Pilot Project currently evaluating the application of this program for ag retailers in Minnesota?



Lara Moody, TFI, will discuss the 4 R Certification Program and progress of adoption in the United States, Canada and throughout the world.

In addition, a small panel will discuss their experience as participants in the Minnesota 4 R Certification Pilot Project. Panelists will provide their "boots on the ground" viewpoint of the 4 R Certification Program to gain insight on the potential effectiveness and resources available required for 4 R Certification going forward in MN. Lara Moody is the Vice President of Stewardship and Sustainability Programs at The Fertilizer Institute (TFI). Lara received a B. S. degree in Agricultural Engineering and M. S. in Biosystems Engineering from the University of Tennessee in Knoxville and is a Registered Professional Engineer.

What Farmers Are Telling Us About the U.S. Farm Economy?



Hear it from one of the best ag economists. Dr. James Mintert is a professor and extension economist in Purdue's Department of Agricultural Economics and serves as director of Purdue's Center for Commercial Agriculture. Dr. Mintert is one of the principal investigators for the Purdue/CME Group Ag Economy Barometer, a monthly sentiment survey of U.S. farmers. Dr. Mintert will review and update the status of Trade wars, commodity prices, regulations, interest rates and farm policy, as well as farmland values and rental rates, which can all affect farmers' attitudes and

well-being. The Ag Economy Barometer, based on a monthly nationwide survey of U.S. crop and livestock producers, provides an ongoing measure of farmer sentiment and helps highlight the key factors driving shifts in farmers' perspectives and what that means for the U.S. farm economy. Review how to identify which factors are driving farmer sentiment and what the implications are for the year ahead.

Will 2019 be the New Normal and Short- and Long-Term Precipitation Forecasting in Minnesota and What are the Challenges for Ag going Forward?



Mr. Dan Luna is the Meteorologist in Charge at the National Weather Service Office in Chanhausen, MN.

He directs the forecast,

development and outreach activities for central MN and eastern WI. Meteorological forecasting has dramatically improved in the last 30 years including precipitation forecasting; areal coverage and amounts. Dan will discuss the use of high-resolution models which are a valuable tool for partners and growers. Dan will provide the specifics about the challenges of heavy precipitation forecasting and available tools that enhance the decision-making process for agriculture.



Mr. Steve Baun will join Dan as the Hydrologist in Charge at the National Weather Service Office in Chanhausen. Steve will review how our landscape and waterways were impacted this past year, from planting to market. In depth, we'll take a look at new emerging tools that can help farmers and nutrient applicators avoid potential nutrient runoff

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Executive Director's Report

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collaboration was successful engaging more than 44,000 kids and 150,000 fair goers in demonstrating how water moves through different soil types and the value of insects and bacteria in soil. My congratulations to Ann Marie Journey, NRCS Soil Health Coordinator, who directed this effort.

Once again, I have observed the immense interest that Minnesotans have about how their food is grown, and their environment is impacted. With this challenge in mind, please review the programming we have planned for you to learn cutting edge and powerful lessons about soil health and fertilizer, as part of the well designed, professionally operated, and the superb and exciting educational programs and training sessions in the Crop Pest, Management Short Course and MCPR Trade Show held December 10-12 at the Mpls Convention Center and the Mpls Hilton Hotel. The exhibition hall has been planned and set for your information and the fellowship and conviviality is unmatched. Join us this year! ✨

Until next time,

Bill Bond

Bill Bond



2019 CPM Short Course and MCPR Trade Show

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situations, saving money and reducing non-point source runoff issues.

Does a Liability Jury Decision Change What We Know about the Toxicology of Glyphosate and its Formulation Roundup?



For answers we have scheduled Dr. Allan Felsot who holds tenure in the Department of Entomology at Washington State University and is also

Affiliate Professor in the WSU School of the Environment. Sciences Program. Professor Felsot serves as specialist in environmental chemistry and toxicology for WSU Extension. During the period 2018-2019, California juries have ruled in favor of three plaintiffs who claimed that Monsanto (now Bayer), the manufacturer of Roundup products containing the active ingredient glyphosate, provided inadequate warning for use of the product and as a result had contracted a form of non-Hodgkin's Lymphoma, an immune system cancer. The basis of the liability lawsuit is arguably directly linked to the International Agency for Research on Cancer (IARC) conclusion that glyphosate is probably a human carcinogen. Dr. Felsot's presentation will review the evidence on glyphosate toxicology and epidemiology, making the case that the actual epidemiological evidence does not support IARC's conclusions. Furthermore,

IARC's reliance on rodent genotoxicity studies to justify their interpretation of the epidemiological data has ignored the artifactual hazards created when one injects unrealistically high concentrations of technical and formulated.

The concurrent crop pest management sessions include Hot topics and Great presenters on vital issues such as:

- a. New seasonal urea nitrogen recommendations
- b. High yield corn research results and planting strategies when corn planting is delayed.
- c. Return on investments for various soybean inputs and management strategies
- d. Managing new soybean insecticide resistance,
- e. Corn and soybean disease trends & management,
- f. Status of Palmer Amaranth in Minnesota,
- g. Growing Industrial Hemp,
- h. Using Cover Crops in a corn-soybean rotation,
- i. Update about Soybean Gall Midge,
- j. Using drones in soybean insect management
- k. Herbicide spray quality
- l. Incorporating manure directly into cropping systems
- m. Understanding soil health.

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Dale's View

Hello MCPR Members, I'm glad some MCPR members were able to take advantage of the annual MCPR golf outing. We had a great time. Participants were able to gather for lunch and dinner to discuss emerging issues, catch-up with old and new friends, and of course enjoy a day of golf and prizes/awards. MCPR staff and the U of M are now working on planning the 2019 Short Course, entitled "Beat the Odds- Increase Your Knowledge." It will be held December 10-12 at the Minneapolis Convention Center and Minneapolis Hilton Hotel. Registration is up and running and we're working hard to make this year the best short course so far. Please pay close attention to the contents of the newsletter as it contains programming information for what attendees can expect in educational programming. There is a good reason over 1400 folks come to this meeting each year and the Hilton sells out their rooms. Plan to join us. See you in December!

Dale Johnson

MCPR Board Chair,
Dale Johnson



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n. AND... **This year we will also offer selected "Hot Topics" in research and updates in 30-minute sessions for people to self-select based on their interest!**

Must Have Technical Service Provider (TSP) Training

Training including the latest information from the USDA-NRCS on nutrient management, integrated pest management (IPM), the latest versions of NRCS wind and water erosion tools, such as RUSLE2, WEPS, and WEPP the current version of pest management software (WIN-PST).

MDA Administered Pest Applicator Recertification

These MDA-approved sessions are for applicators that need recertification credit in Categories A (Core), C (Field Crop Pest Management), and/or H (Seed Treatment). Workshop topics will include insect, disease, and weed updates, new pesticide safety topics, prevention of off-target

movement of pesticides, and more.

- Category A + C: Attend all December 11th recertification sessions.
- Category A + H: Attend December 10th from 2 pm to 4:00 pm and December 11th recertification sessions from 8 am to 2:45 pm.
- Category A + C + H: Attend all December 10th and December 11th recertification sessions.

Hotel Accommodations are at the Minneapolis Hilton hotel offer a special room rate of \$114/night if you book before **NOVEMBER 19th, 2019** or until the room block sells out – whichever comes first! You can make your Minneapolis Hilton hotel reservation online at www.mcpr-cca.org or by phone at (612) 376-1000 and use code MCP. ✨

