



2019 CPM Short Course and MCPR Trade Show

December 10-12, 2019
Minneapolis Convention Center and
rooms available at the Minneapolis Hilton Hotel

Beat the Odds - Increase Your Knowledge

It was Will Rogers that once said that farmers had to be an optimist or he wouldn't still be a farmer. While optimism is an essential element in these challenging times, optimism alone isn't enough to keep farming. Knowledge is the key to improve the odds and not just survive but thrive in the next decennium. Whether that be the knowledge to educate consumers about your practices, the knowledge needed to build resilient cropping systems that can handle Mother Nature's whims, or the ability to read the tea leaves of the rapidly changing politics of markets and trade that create the demands for the commodities you produce. The 2019 edition of the CPM Short Course and MCPR Trade Show's goal is, as always, to provide you an, ag professional, that knowledge so you and your customers with you cannot just survive but thrive.

TECHNICAL SERVICE PROVIDER (TSP) TRAINING

December 10th, 10 AM – 1 PM

This training will present the latest information from the USDA-Natural Resources Conservation Service (USDA-NRCS) on nutrient management and integrated pest management (IPM) to Technical Service Providers (TSP) certified in these categories in Minnesota. This session will focus on NRCS tools. The latest versions of NRCS wind and water erosion tools, such as RUSLE2, WEPS, and WEPP will be discussed. The current version of pest management software (WIN-PST) will also be discussed. Updates on TSP certification, recertification and practice standards will also be provided.

MCPR PLENARY SESSIONS

December 10th, 1 PM – 3 PM

Making the Best of the Challenges in Agriculture – David Okerlund



MCPR has recruited a world class keynote speaker for Tuesday, December 10-12, 2019 in Mpls! David Okerlund grew up in a rural, Midwestern town whereas a young teenager he saved up money for college by working on the town's garbage route. He finished in the final three of the World Championship of Public Speaking; a contest that includes over 20,000 contestants from over 45 different countries. He is a member of the International Hall of Fame for speakers. David believes this is the time to reach deep down into that well of faith and optimism and refuse to give up. There is ALWAYS light at the end of the tunnel! Expect a truly uplifting, motivational presentation to restore and renew your spirit. David's personal and humorous style delivers hope. Seventy percent of his speaking career has been before agricultural groups. As he states, "The epic failure is quitting when the storm clouds appear on the horizon because right behind the storm clouds there is a beautiful sunrise waiting for those who hold on to their faith!"

Minnesota Soil Health Today and Tomorrow – Panelists are Anna Cates and Mitchell Hora



Anna Cates is the newly announced Soil Health Specialist leading the U of MN's effort to connect with partners and stakeholders to plan soil health outreach and research activities. Her position will be housed within the Department of Soil, Water, and Climate at the University of Minnesota. Anna holds a M.S. in Soil Science and is finishing her doctorate in Agronomy from the University of Wisconsin-Madison. She plans to expand the tools and skills of Minnesota's local conservation delivery community through the development of

research and outreach strategies, as well as promote greater understanding of the economic impacts of soil and water management practices.



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 the MN Public Radio podcast/broadcast, "Ask A Farmer" and is promoted as a grower who has pulled back the curtain on life on the farm. He will share his ideas on how cover cropping can be part of the emerging regenerative agriculture movement and payment system.

4 R Certification Around the World and the 4 R Certification Pilot Project 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 directs the development and delivery of 4R Nutrient Stewardship through engagement with industry members, stakeholders and government agencies. Lara received a B. S. degree in Agricultural Engineering and M. S. in Biosystems Engineering from the University of Tennessee in Knoxville. She is a Registered Professional Engineer. Prior to joining TFI she performed research and extension efforts in the Agricultural and Biosystems Engineering Department at Iowa State University.

PESTICIDE APPLICATOR RECERTIFICATION:

December 10th, 2 PM – 4:00 PM and
December 11th, 8 AM – 5 PM

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

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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.

Do You Need to Recertify? If you last attended a recertification workshop in 2016 or were newly licensed in 2018, you need to attend an MDA approved workshop in the correct categories in 2019. If you don't attend a required recertification workshop, you must retest to be eligible to renew your license for 2020. Please contact MDA at 651-201-6615 with recertification or license questions.

CROP PEST MANAGEMENT SHORT COURSE **GENERAL SESSION**

December 11th, 8 AM – 11 AM



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

Dr. Allan Felsot holds tenure in the Department of Entomology at Washington State University and is also Affiliate Professor in the WSU School of the Environment. His

current administrative positions at the WSU TriCities campus include Academic Director for Math and Science and Graduate Coordinator for the Environmental 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

compounds directly into the rat. A hypothesis about why juries have ruled in three different cases against Bayer will be presented.

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



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. The Center is focused on developing and delivering programs to commercial farmers via conferences, workshops and webinars. 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. But with so much volatility, it's a challenge to identify which factors are driving farmer sentiment and what the implications are for the year ahead.

The third keynote address for the 2019 Crop Pest Management Short Course will consist of two speakers from the National Weather Service office in Chanhassen combining their efforts to present weather and precipitation forecasts effects from the 2019 crop-growing season.

Short and Long Term Precipitation Forecasting in Minnesota is Improving Utilizing Newer Technology, However, Challenges Remain for the Agricultural Sector



As the Meteorologist in Charge, Mr. Dan Luna directs the forecast, development and outreach activities for central MN and eastern WI. Dan came to Chanhassen in early 2001 to assume the role of Hydrologist-in-Charge. 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.

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The Impact of Increasing Annual Precipitation on All Things Farming: Will 2019 be the New Normal?



Mr. Steve Baun is the Hydrologist in Charge at the NOAA's National Weather Service located at the North Central River Forecast Center in Chanhassen, MN. 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 situations, saving money and reducing non-point source runoff issues.

CROP PEST MANAGEMENT SHORT COURSE CONCURRENT SESSIONS

**December 11th, 1 PM – 5 PM and
December 12th, 8 AM – 2:30 PM**

Wednesday's and Thursday's concurrent sessions continue the strong educational program with a wealth of pest, crop and fertilizer management topics including new seasonal urea nitrogen recommendations, high yield corn research results and planting strategies when corn planting is delayed. Other sessions include return on investments for various soybean inputs and management strategies, managing new soybean insecticide resistance, corn and soybean disease trends & management, status of Palmer Amaranth in Minnesota, growing Industrial Hemp, using Cover Crops in a corn-soybean rotation, update about Soybean Gall Midge, using

drones in soybean insect management, herbicide spray quality, incorporating manure directly into cropping systems and understanding soil health. **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.**

Trade Show Floor Hours:

- **Tuesday, December 10th – 3 PM – 6:30 PM**
- **Wednesday, December 11th – 9 AM – 5 PM**
(includes breaks and lunch in the exhibit hall)
- **Thursday, December 12th – 9 AM – 11 AM**

Hotel Accomodations:

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.

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Online registration is available at: www.mcpr-cca.org or fill out the information below.

2019 CPM Short Course and MCPR Trade Show Registration:

Name: _____

Company: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____

Phone: _____ Fax: _____

Email: _____

Registration Info & Pricing:

EARLY PRICING: ON or BEFORE 11/19/2019

- ☐ \$155 – General Admission
- ☐ \$170 – Technical Service Provider
- ☐ \$165 – Applicator Recertification (Categories A & C)
- ☐ \$205 – Applicator Recertification (Categories A & H)
- ☐ \$205 – Applicator Recertification (Categories A, C & H)

LATE PRICING: AFTER 11/19/2019

- ☐ \$205 – General Admission
- ☐ \$220 – Technical Service Provider
- ☐ \$215 – Applicator Recertification (Categories A & C)
- ☐ \$255 – Applicator Recertification (Categories A & H)
- ☐ \$255 – Applicator Recertification (Categories A, C & H)

Payment Information:

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*Cancellations and requests for refunds must be received in writing prior to 30-days before the event; refunds will be processed less a \$50 administrative fee. No refunds will be made within 30-days of the event or for no-shows.