



**August 3rd Field Day:
"Covers and Climate"**



**HOSTS: Hammer & Kavazanjan Farms
(Charlie Hammer & Nancy Kavazanjan)**

AGENDA

9:30-10:00am: Registration

10:00-10:20am: Introductions & UW-Discovery Farms Nitrogen Use Efficiency - Abbey Augarten

10:20-11:15am: Key Note - Dr. Jerry Hatfield – The impact of weather extremes on agriculture.

11:30-12:30pm: Box Lunch by Chef Chanse

12:30-2:00pm: 3 Field stations, ~25 minutes each.

- Equipment for Cover Crop Establishment- C. Hammer; B. Stangel; B. Recker; and M. Weiss
 - 30" and 60" corn rows with interseeding
- On-Farm Cover Crop Trials- Exploring Establishment Methods & Timing- L. Ortiz-Ribbing; J. Gaska; D. Macheel; and B. Blank
- Cover Crop Failures & Successes- T. Peirick; J. Crave; A. Condon; D. Roche; and R. Kratz

2:00-3:00pm: Equipment demos – Get up close and personal with the equipment that make this possible.

- Ballweg's Equipment:
 - John Deere 1590 No-Till Drill
 - Hiniker Dry Box
 - Yetter 10,000 Magnum Low Disturbance Fertilizer Injector Strip-Till Unit
- Farmer's Implement:
 - Salford 60' Air Seeder
- Environmental Tillage Systems:
 - ETS Soil Warrior
- Kuhn Krause & Nell Farms:
 - Gladiator Strip-Till Unit
 - No-Till drill
- Dawn Equipment:
 - Pluribus Strip-Till Unit Gen 5
- Orthman (Hammer-Kavazanjan Farm):
 - Strip-Till Unit
- Dave Roche and Marty Weiss:
 - Interseeders (for display only)

Key Note Speaker - Dr. Jerry Hatfield

Dr. Hatfield's research emphasis is on the interactions among the components of the soil-plant-atmosphere continuum and their linkage to air, water, and soil quality. His focus has been on the evaluation of farming systems and their response to water and nitrogen interactions across soils, as well as the evaluation of remote sensing methods to quantify spatial variation within fields for application to risk management tools. Jerry Hatfield received his PhD from Iowa State University in 1975 in the area of agricultural climatology and statistics and a MS in agronomy from the University of Kentucky in 1972. He was appointed laboratory director of the National Soil Tilth Laboratory in 1989 (renamed the Laboratory for Agriculture and the Environment in October 2009). Dr. Hatfield is the author of 448 refereed publications and the editor of 18 monographs. He served as the lead author on "The Effects of Climate Change on Agriculture, Land Resources, Water Resources, and Biodiversity" and a member of the IPCC process that received the 2007 Nobel Peace Prize. Additionally, he was contributing author on "Agriculture" for the State of the Knowledge Report, "Global Climate Change Impacts in the United States." He is a fellow of the American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America. He is also past-president of the American Society of Agronomy and member of the American Meteorological Society, American Geophysical Union and Soil and Water Conservation Society. He is the recipient of numerous awards including the 2011 Conservation Research Award from the Soil and Water Conservation Society, ARS Hall of Fame in 2014, and the Hugh Hammond Bennett award from the Soil and Water Conservation Society in 2016, and a Presidential Rank Award for Distinguished Service in 2017.

Presenters

Abbey Augarten: Nitrogen Use Efficiency Project Coordinator for UW Discovery Farms

Brendon Blank: Secretary, Farmers for Healthy Soil-Healthy Water (HSHW), has been using no-till and double cropping for about 7 years.

Andrew Condon: Co-chair, Dodge County Alliance Group and member of the Farmers for HSHW. Andy is a farmer out of Horicon who has been cover cropping.

Jordan Crave: Member, Farmers for HS-HW. He is part owner and agronomy manager at Crave Brothers Farm in Waterloo, and practices no-till, vertical till, minimum till on the family 2,500 acres.

Jeff Gaska: Board member, Farmers for HS-HW. Jeff has been utilizing clover for grazing cattle to mitigate the late summer pasture slump for 15 years.

Charlie Hammer: Field day host. Charlie adopted no-till, strip-till, and other conservation practices very early. He is working hard to keep nutrients in place and build his soils.

Ricky Kratz: Member, Farmers for HS-HW. Ricky is part of the seventh generation at Kratz Farms near Slinger. His farm has been using the ETS Soil Warrior to strip-till while fertilizing.

Dale Macheel: Board member, Farmers for HS-HW. Dale is experimenting with cover crop mixtures after winter wheat harvest and working with the Discovery Farms Nitrogen Use Project.

Dr. Loretta Ortiz-Ribbing: UW-Extension Crops and Soils Agriculture Agent for Dodge and Fond du Lac Counties

Tony Peirick: Co-chair, Farmers for HS-HW. Tony is a partner in T & R Dairy near Watertown and has been experimenting with cover crops for about 10 years.

Bob Recker: Owner, Cedar Valley Innovations, LLC. Waterloo, IA

David Roche: Member, Farmers for HS-HW. David helps operate Roche Grain farm in Columbus and has been planting cover crops every year with 100% cover being his goal.

Bill Stangel: Board member, Farmers for HS-HW. Soil Solutions Consulting has been integrating soil and water resource protection with crop production practices on client farms for over 30 years in southern Wisconsin.

Marty Weiss: Co-chair, Dodge County Farmers for HS-HW. Marty has been using cover crops for erosion control and increasing soil aggregation, stability, organic matter, and biological activity.