Conservation Tillage & Technology Conf.  2013
March 5-6

TUESDAY, MARCH 5
(Note: Cover Crops concurrent session in Chapel, starting at 8:00)

Room A  General Session  Sponsored by John Deere

(video link to Room B and Chapel)
(Assistants: Gary Wilson, Adam Shepard, Debbie Brown)

9:30  Welcome
Randall Reeder, OSU Ext. Ag. Engineer (retired)

9:35  Thriving in times of extreme weather patterns
Jerry Hatfield, USDA-ARS, Ames, Iowa

10:15 Ohio CCA Award presentation (Ohio CCA President Tim Berning)
Ohio Master Farmer Awards (Tim White, Ohio Farmer magazine)

10:45 Move to Concurrent sessions

Room A  Corn University  Sponsored by Dekalb/Asgrow

Moderator: Peter Thomison  (Assistants: Kent McGuire, Adam Shepard, Debbie Brown)

11:00  Seeding rates for maximum yield
Emerson Nafziger, U. of Illinois

12:00 Lunch

1:15  Planter set-up for maximum yields
Paul Jasa, U. of Nebraska

2:15  The 2012 growing season and new tools for managing drought
Peter Thomison, OSU

3:15 Break
3:35  On-Farm Research: Nuts, Bolts and other Practical Issues
Bob Nielsen, Purdue
4:35  Q&A Discussion with all 4 speakers

5:35  Adjourn
Tuesday     Room B
Moderators: Gary Wilson, John Smith, Greg LaBarge

11:00  Fitting together the pieces of the Agronomic Puzzle for Extreme Weather
Presentation by Jerry Hatfield, USDA-ARS, Ames, Iowa
Reaction and discussion: Bruce Clevenger, (OSU Extension); Alan
Sundermeier, (OSU Extension); David Brandt, No-till farmer; and Joe Nester,
Nester Ag Management

12:15     LUNCH

Room B     Advanced Scouting Techniques
Moderators: Harold Watters, Gary Wilson, John Smith, Greg LaBarge

1:30  Identifying stress in corn and how to plan for 2013
     Jonah Johnson, Pioneer Agronomist
2:00  Corn nematode survey of NW Ohio
     Greg LaBarge, Extension Field Agronomist and
     Alan Sundermeier, OSU Extension AgNR Educator, Wood County
2:30  Using gypsum to improve soil quality and water infiltration rates
     Joe Nester, Nester Ag Management, Bryan, OH
3:00  4r Retailer Third Party Certification
     Doug Busdecker, The Andersons; and John Oster, Morral Companies

3:30 Break

3:45  Can you CNMP?
     Mark Wilson, owner and consultant, Land Stewards Inc.
4:15  There’s an App for that
     Justin Petrosino, Agronomist, Stewart Seeds
4:45  First Detector Training
     Amy Stone, OSU Extension, AgNR Educator, Lucas County
5:15  First Detector Updates
     Amy Stone
5:45 Adjourn
TUESDAY Chapel  Cover Crops  Sponsored by Ag Credit

Moderators: Jim Hoorman, Alan Sundermeier, and Bro. Nick Renner
Note: Certified Livestock Manager (CLM) recertification is available for ALL topics in this session.

8:00  Using Annual Ryegrass and Legumes to Decrease Fertilizer Application and Increase Corn Yields
   **Mike Plumer, U. of Illinois**
8:30  Soil demo: the Value of Cover Crops and other Conservation Practices
   **Mark Scarpitti, NRCS Ohio**
9:00  Improving Crop Production and Nutrient Management with Cover Crops
   **Alan Sundermeier, OSU**
9:30  Break
9:35  (General session, Room A) **Dr. Jerry Hatfield**
11:00 A Midwest Strategy for Soil Health and Water Quality
   **Barry Fisher, State Agronomist, NRCS Indiana**

11:30 Lunch

12:45  Biological Soil Testing
   **Dr. Rick Haney, USDA-ARS, Temple, Texas** (by webinar)
1:45  Multi-Species Cover Crop Nitrogen Effects on Corn Yields
   **David Brandt, no-till farmer, Carroll, OH**
2:15  Continuous Improvement in Soils with Cover Crops and the Effects on Crop Production Efficiency
   **Dr. Jerry Hatfield**
2:45  Break
3:00  Mixed Cover Crop Effects on No-till Soil Properties
   **Rafiq Islam, Soil Scientist, OSU; Ekrem Aksakal, Visiting Scholar; and David Brandt**
3:30  Farmer Panel – New and Established Cover Crop Farmers
   **David Brandt, Jeff Duling, and ??**
4:30  Rhizosphere Effects on Improving Soil and Water
   **George Derringer, NRCS Ohio**
5:00  Using Cover Crops to Adapt to Extreme Weather Events
   **Jim Hoorman, OSU Extension, Putnam County**
5:30  Adjourn

5:30-7:30  **Farmer cover crop networking meeting** in *The Inn at ONU*  
          (moderated and hosted by CTIC)  
          (The Ohio No-till Council will meet, ~7:00-9:00 in the Boardroom)
Moderators: Glen Arnold, Amanda (Meddles) Douridas,
11:00 Rating the value of Micronutrients
   Ed Lentz, OSU Extension, Hancock County
11:30 Nutrient Management with Cover Crops
   Harold Watters, OSU Extension Field Specialist
12:00 The 7 R’s (not just 4) of Nutrient Management
   Jim Boak, Salford Manufacturing

12:30 Lunch
1:45 Smart tools for better nutrient management
   Amanda Douridas, OSU Extension
2:15 Agronomic Nutrient Management I: Soil Sampling/Test Interpretation
   John Grove, U. of Kentucky

3:15 Break
3:35 Techniques to improve Nitrogen Management
   James Camberato, Purdue
4:35 Agronomic Nutrient Management II: Plant Tissue Sampling/Analysis Interpretation. John Grove, U. of Kentucky

5:35 Adjourn
Room A  Soybean School  
Sponsored by Pioneer and Seed Consultants

Moderators: Harold Watters; Gary Wilson, Adam Shepard

8:30  Soybeans and Drought: Real Resistance or Just Luck?  
Emerson Nafziger, Crop Production Ext. Specialist, U. of Illinois

9:30  Breeder x Agronomist Interactions: Exploiting Synergies to Push Soybean Yield  
Shawn Conley, Soybean and Wheat Ext. Specialist, U. of Wisconsin

10:30  Break

10:45  The role soybean seeding rates play in Integrated Weed Management to combat resistance?  
Vince Davis, Cropping Systems Weed Scientist and Extension Specialist, Dept. of Agronomy, U. of Wisconsin

11:45  Lunch

Moderators: Harold Watters; Eric Richer, Gene McCluer

1:00  2013 Ohio Soybean Production Guidelines  
Laura Lindsey, OSU Soybean & Small Grain Specialist, Hort. & Crop Science

2:00  SCN Scouting, Disease Interactions, and Management  
Terry Niblack, Professor and Chair, Plant Pathology & Nematology, OSU

3:00  Break

3:20  Late Season Insects Might be Stealing Yield  
Ron Hammond, OSU/OARDC Extension Entomology

3:50  The Latest on Soybean Fertility  
Laura Lindsey

4:20  Adjourn
Room B  WED.  Nutrient Management   Sponsored by Gypsoil

Note: Certified Livestock Manager (CLM) recertification is available for all except the last (gypsum) topic.

    Moderators: Glen Arnold and Amanda Meddles, Florian Chirra

8:30  Systems approach to Cover Crops  
      **Steve Prochaska, OSU Extension Field Specialist**

9:00  Manure Injection Research in PA  
      **Robert Meinen, Penn State U.**

10:00 Break

10:20 Manure Storage Safety Guidance for Managers and Workers  
      **Robert Meinen, Penn State U.**

10:50  Precision Application of Swine Manure in growing Corn  
      **Glen Arnold, OSU Extension Field Specialist**

11:45 Lunch

    Moderators: Glen Arnold and Amanda Meddles, Ted Wiseman

1:00  Tillage and Nutrient Management Systems for Improved Drought Tolerance  
      **Tony Vyn, Purdue**

2:00  What is Ohio Agriculture waiting for? Drainage Water Management and  
      Bioreactor Technologies are Available NOW  
      **Larry Brown, OSU Extension Ag. Engineer**

2:30  Where is Nutrient Management headed in Ohio? (Open forum discussion)  
      **Larry Brown, Glen Arnold, and Greg LaBarge, OSU Extension Field  
      Specialist**

3:00 Break

3:20  Gypsum as a Source of Sulfur for Improved Crop Performance  
      **Warren Dick, School of Natural Resources and Environment, OSU-  
      OARDC**

4:20 Adjourn
Room  CHAPEL  WEDNESDAY  Water Quality (and extreme weather)

Note: Certified Livestock Manager (CLM) recertification is available for the 8:30 talk, and all topics from 11:20 to 4:20.

Moderators: Jim Hoorman, Bruce Clevenger, Jim Lopshire

8:30  Cover Crops and Water Quality
      Mike Plumer, U. of Illinois
9:00  Survey Data: Farmer Perceptions of Extreme Weather Events
      Bruce Clevenger, OSU Extension, Defiance County
9:30  How Weather Affects Agricultural Production
      Alan Sundermeier, OSU Extension, Wood County
10:00 Climate Change and 21st Century Agriculture
      Rafiq Islam, Soil Scientist, OSU Extension, South Centers
10:30 Break
10:50  Adapting Agriculture and Cropping Practices to Extreme Weather
      Jim Hoorman
11:20  Tillage and N management for improved air and soil quality in corn production
      Tony Vyn, Purdue
11:50  Water Quality: Why we need 4 R’s and more
      Kevin Elder, Ohio Dep’t of Agriculture
12:20 Lunch

Moderators: Jim Hoorman, Alan Sundermeier, Bro. Nick Renner, Curtis Young

1:30  Phosphorus and Water Quality (1.5 SW)
      N and P Movement through runoff and tile
      Dr. Kevin King, USDA-ARS, Columbus, OH
      P Research and P-Index Models
      Dr. Libby Dayton, OSU
3:00 Break

3:20  Denitrifying bioreactors for nitrate removal from tile drainage
      Ehsan Ghane, Ph.D. student, OSU Ag. Engineering
3:50  Yield increases from controlled drainage
      Norm Fausey, USDA-ARS, Columbus, OH
4:20  Adjourn
Room C  WEDNESDAY (morning)  No-till, strip-till and soil quality
Sponsored by: FHR Nutrient Management

Note: Certified Livestock Manager (CLM) recertification is available for the 10:45 talk only.

Moderators: Mike Gastier, Eric Richer, Curtis Young

8:30  Planter Adjustment for peak performance  
Bill Lehmkuhl, Precision Agri-Services, Minster, OH
9:30  Strip Tillage: A Conservation Option for Heavy, Cold Soils  
Jodi DeJong-Hughes, Extension Specialist, U. of Minnesota

10:30  Break
10:45  Soil Quality demo; the Value of Conservation Practices
Mark Scarpitti, State Agronomist, NRCS Ohio
11:15  Controlled traffic and compaction
Randall Reeder, OSU Extension Ag. Engineer (retired) and
Rafiq Islam, Soil Scientist, OSU Extension
11:45  Fuel costs for tillage
Barry Ward, OSU Extension, Ag Economics

12:15  LUNCH

Room C  Wednesday (afternoon)  Seeding Technology
Sponsored by: FHR Nutrient Management

Moderators: Scott Shearer, Chair, Food, Ag. and Biological Engineering, OSU. Plus
Mike Gastier, Mark Mechling, Mike Sword

1:45  Perfecting no-till planting equipment
Paul Jasa, U. of Nebraska

2:45 Break

3:05  Seeding Technology Panel:  Scott Shearer, Moderator
Maximizing yield potential at planting time:  Peter Thomison, OSU
Working with variable rate prescriptions:  Doug Houser, Services Appl. Manager,
Pioneer
Machine implications of prescriptions:  Jamie Bultemeier, John Deere
4:35 Adjourn