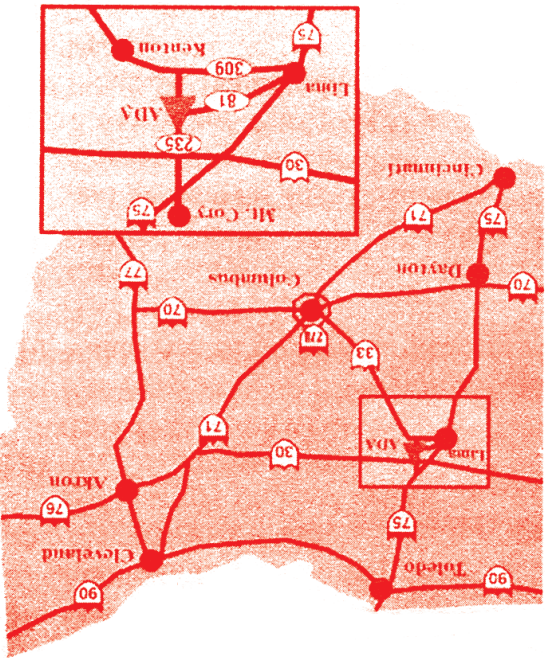


Todd McGuire, farmer, Champaign County
 Greg McGlinch, Darke SWCD
 Walter Manders, Farmer, Wood County
 Mark Loux, OSU Extension
 Cecilia Lokai-Minich, Integrated Ag Serv.
 Ed Lentz, OSU Extension
 Bill Lehmkuhl, Precision Agri-Services
 Rattan Lal, OSU Soil Scientist
 Andy Kleinschmidt, OSU Extension
 Brad Joern, Purdue U.
 Rafiq Islam, OSU South Centers
 Jim Hoorman, OSU Extension
 Wes Haun, OSU Extension
 Ron Hammond, OSU Extension
 Roger Elmore, Iowa State U.
 Kevin Elder, Ohio Dept of Ag.
 Sjoerd Duiker, Penn State U.
 Keith Dietrick, OSU Grad Student
 Doug Dearnorf, USDA-NRCS
 Vince Davis, U. of Illinois
 Matt Darr, Iowa State U.
 Shawn Conley, U. of Wisconsin
 Bruce Clevenger, OSU Extension
 Jim Camberato, Purdue U.
 Dave Brandt, no-till farmer, Fairfield Co.
 Roger Bender, OSU Extension
 Danielle Bellmer, Oklahoma State U.
 Laura Bast, Michigan State U.
 David Baker, NCWQR, Heidelberg
 Steve Baertsche, OSU Extension (retired)
 Dean Baas, Michigan State U.
 Ray Archuleta, USDA-NRCS, NC

Program Speakers: Who's Who

Dave McNeilen, No-till Farmer, Mercer Co.
 Amanda Meddles, OSU Extension
 Bridget Meiring, OSU Plant Pest Diag.
 Dennis Mills, OSU Extension
 Bobby Moser, OSU V-P, Agriculture
 Robert Mullen, OSU Extension
 Joel Myers, Pennsylvania
 Emerson Natzger, U. of Illinois
 Bob Nielsen, Purdue U.
 Ryan Oehler, Ag Leader
 Mike Petersen, Orthman
 Steve Prochaska, OSU Extension
 Troy Putnam, Dekalb/Asgrow
 Jon Rausch, OSU Extension
 Randall Reeder, OSU Ext. Ag. Eng.
 Matt Roberts, OSU Ag. Economist
 Dave Robison, Cisco
 Mark Scarpitti, USDA-NRCS
 Scott Shearer, U. of Kentucky
 Steve Slack, OSU-OARDC, Director
 John M. Smith, OSU Extension
 Keith Smith, OSU Extension, Director
 Dusty Sonnenberg, Consultant
 Tim Stombaugh, U. of Kentucky
 Alan Sundermeier, OSU Extension
 Guy Swanson, Exactrix
 Nancy Taylor, OSU Plant Pest Diag.
 Peter Thomison, OSU Extension Agron.
 Harold Watters, OSU Extension
 Howard Weller, No-till farmer, Putnam Co.
 Denny Wickham, Pioneer Agronomist
 Gary Wilson, OSU Extension



Room Reservations

The Inn at Ohio Northern University
 419-772-2500
 Special CTC rate: \$115 plus tax

Kenton, Rt. 67, east of Rt 31
 Country Hearth & Suites,
 419-675-1400
 Special CTC rate: \$65 plus tax

Lima, I-75 at SR 309
 Hampton Inn
 419-225-8300
 Special CTC rate: \$89 plus tax
 (call before Feb. 13)

Bluffton, I-75 at Rt 103
 Comfort Inn
 419-358-6000
 Special CTC rate: \$67.99 plus tax
 (call before Feb. 13)

For More Information Call:

Registration
 Allen SWCD - 419-223-0040 Then Press 3

Details on Program and CCA Credits
 OSU Extension, Hardin County - 419-674-2297

For updated program go to web site at <http://ctc.osu.edu>



Conservation Tillage & Technology Conference

to be held at
**McIntosh Center
 Ohio Northern University
 Ada, Ohio**

on
**Thursday – Friday
 February 25-26, 2010**

CTC 2010 Sponsored by:

- Ohio State University Extension and OARDC
- Northwest Ohio Soil & Water Conservation Districts
- USDA Natural Resources Conservation Service
- USDA Farm Service Agency
- The Ohio No-Till Council

See web site at <http://ctc.osu.edu>



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REGISTRATION

Early Registration \$45/day or \$65 for both days
 Registration after Feb. 15 \$55/day or \$75 for both days

One Day Registration @ \$45= \$
 (Which day? Thurs. or Fri.)
Two Day Registration @ \$65= \$

Name(s) _____

Address _____

City _____ State _____

Zip _____ County _____

Email _____

Farmer: How many acres of cropland? _____

Crop Consultants: How many acres do you manage? _____

Subtotal \$ _____

TOTAL \$ _____

WE ARE PLEASED TO ACCEPT

Check One: American Express Discover Visa

Please complete the information below.

Account Number _____

Expiration Date _____

Cardholder Signature _____

Amount \$ _____

Date _____

Return with payment to: Conservation Tillage Conference, Allen SWCD, 3900 Campus Drive, Lima, Ohio 45804

If CTC is cancelled due to unforeseen circumstances, we reserve the right to use funds for next year's conference.

Conservation Tillage & Technology Conf. 2010
Thursday, February 25 General Session (Room A) video link to Room B

- 9:30 Opening and Welcome
Randall Reeder, OSU Ext. Ag. Engineer
- 9:40 No-till, carbon sequestration, and climate change legislation
Rattan Lal, OSU Soil Scientist; and Matt Roberts, OSU Extension Ag. Economist
- 10:50 Food & Agriculture and its impact on Ohio's economy
Bobby Moser, OSU V-P, Agriculture; Steve Slack, Director, OSU-OARDC; Keith Smith, Director, OSU Extension
- 11:15 Stand Establishment in No-Till Corn: The First Step to Higher Yields
Bob Nielsen, Purdue
- 12:00 Lunch

Thursday afternoon
(four concurrent sessions)

Room A Corn University Presented by Dekalb/Asgrow

Featuring four Midwest Extension Corn Specialists

- 1:15 Reaching 300 bu/acre
Roger Elmore, Iowa State University
- 2:15 Managing continuous corn – tillage, residue, and nitrogen
Emerson Nafziger, University of Illinois
- 3:15 Break
- 3:35 Ear Development in Corn and Associated Problems
Bob Nielsen, Purdue
- 4:35 Selecting hybrids for performance and profit
Peter Thomison, OSU
- 5:35 Corn – All-Star panel discussion
- 6:35 Adjourn

Room Chapel Nutrient/ Manure Management Certified Livestock Manager (CLM) training is included in this session. Other topics, marked with (CLM), also qualify for recertification

- 1:15 Sidedress manure in corn with dragline
Walter Manders, farmer and Alan Sundermeier, OSU Ext., Wood County
- 1:45 Bio-gas production from manure
Steve Baertsche, OSU Extension, retired
- 2:15 Rules and Regs for manure mgt
Kevin Elder, Ohio Dept of Agriculture
- 3:15 Break
- 3:35 Nutrient mgt standards 590
Doug Deardorf and Mark Scarpitti, USDA-NRCS
- 4:05 Manure Mgt & Handling
Kevin Elder
- 4:35 Nutrient mgt standards 633
Doug Deardorf and Mark Scarpitti
- 5:05 Emergency Planning & Response
Kevin Elder
- 6:05 Value of manure nutrients NMW
Amanda Meddles, OSU Extension
- 6:35 Adjourn

Room B Soil, Water and Biofuels

- 1:15 Grains outlook for 2010
Matt Roberts
- 2:15 Sweet sorghum for ethanol
Danielle Bellmer, Oklahoma State U.
- 3:15 Break
- 3:35 Gasification of native grasses for ethanol
Danielle Bellmer
- 4:05 Increasing Efficiency of P to improve N use (CLM)
Guy Swanson, Spokane, WA
- 4:35 Opener selection to improve nutrient efficiency and yield
Guy Swanson, Spokane, WA
- 5:05 Phosphorus from no-till soils (CLM)
David Baker, Heidelberg
- 5:35 Soil Science certification
Andy Kleinschmidt, OSU Ext., Van Wert
- 6:35 Adjourn

Room C Advanced Scouting Techniques

(Moderator: Harold Watters, OSU Extension, Champaign Co. & Agronomic Crops Team)

- 1:15 On-line First Detector Training for National Plant Diagnostic Network
Bridget Meiring and Nancy Taylor, OSU Plant and Pest Diagnostics Clinic
- 1:45 Environmental Assessments –scouting to avoid disaster (CLM)
Roger Bender, OSU Extension, Shelby
- 2:15 Veris as an analysis tool (CLM)
Cecelia Lokai-Minich, Integrated Ag Serv.

- 2:45 Break
- 3:05 Early Season crop emergence problems to Mid-Season crop issues
Part I. Denny Wickham, Pioneer;
Part II. Troy Putnam, Dekalb/Asgrow
- 4:35 Soybean Cyst Nematodes in Ohio & SDS
Bridget Meiring
- 5:05 Weed management issues
Dave Scheiderer, Integrated Ag Services
- 5:35 Ag Crops scouting & reporting
Harold Watters
- 6:05 Adjourn

Friday (four concurrent sessions)

Room A Crop management & Soybean School

- 8:30 Strip-till
Mike Petersen, Nebraska (formerly with NRCS)
- 9:30 Strip-till farmer panel
Todd McGuire, farmer, Champaign County, & others)
- 10:00 Tillage, drainage, and crop rotation effect on soil quality
Alan Sundermeier, OSU Extension, Wood
- 10:30 Break

Soybean School - (Co-sponsored by Seed Consultants)

- Moderator: Harold Watters
- 10:45 Weed management for Soybeans,
Mark Loux OSU Extension Weed Scientist
- 11:30 Soybean Disease Impact on Yield
Dennis Mills OSU Ext. & RA
- 12:00 Lunch
- 1:00 The Challenge of Doubling Soybean Yields
Vince Davis, Soybean Specialist, University of Illinois
- 2:00 Impact of Stress on Soybean Yield
Shawn Conley, Soybean Specialist, University of Wisconsin
- 3:00 Break
- 3:15 Inputs to Maximize Soybean Profit/Acre - On-Farm Research,
Bruce Clevenger, OSU Extension, Defiance
- 3:45 Drill vs. Planter; + Twin Row: On-farm Research
Wes Haun, OSU Extension, Logan County;
John Smith, OSU Extension, Auglaize
- 4:15 Relay Intercropping of Soybeans into Wheat
Steve Prochaska, OSU Extension, Crawford
- 4:45 Adjourn

Room Chapel Friday Nutrient Management; (Includes Certified Livestock Manager training credits)

- 8:30 N-cycle, where inhibitors work, and why sometimes they don't (CLM)
Robert Mullen, OSU Extension Specialist
- 9:30 Yield components; response to N timing and rate (CLM)
Keith Dietrick, OSU Grad Student
- 10:00 Break
- 10:15 PSNT + (CLM)
Laura Bast, Michigan State University
- 11:15 Science, Stats and production reality
Robert Mullen
- 11:45 Lunch
- 1:00 Wheat N response timing and source
Ed Lentz, OSU Extension, Seneca County
- 2:00 N transformations and losses (CLM)
Brad Joern, Purdue University
- 3:00 Break
- 3:15 Foliar manganese on soybeans
Jim Camberato, Purdue University
- 4:15 P task force (CLM)
Kevin Elder, Ohio Dept. of Agriculture
- 5:15 Adjourn

Room B Friday Cover Crops

- 8:30 Special EQIP funds to Improve Water Quality and Nutrient Management
Mark Scarpitti, USDA-NRCS
- 9:00 Using Legumes to Increase Soil Nitrogen in Northwest Ohio
Alan Sundermeier, OSU Extension, Wood
- 9:30 Nutrient Benefits from Cover Crops (CLM)
Rafiq Islam, OSU Soil Scientist; and Jim Hoorman, OSU Extension, Mercer County
- 10:00 Using a Cover Crop Selector to Improve Nutrient Management (CLM)
Dean Baas, Michigan State University
- 10:30 Break

- 10:45 Understanding Soil Compaction and Water Infiltration (CLM)
Jim Hoorman
- 11:15 Cover Crops to Improve Water Quality, Darke and Miami County Research & Demonstration (CLM)
Greg McGlinch, Darke SWCD
- 11:45 Using Cover Crops to Transition to No-till and Improve Water Quality
Joel Myers, Pennsylvania
- 12:15 Lunch
- 1:30 Soil Microbes/Inoculation for Nutrients in Cover Crops
Dave Robison, Cisco
- 2:00 Using Cover Crops to Improve No-till, Soil Structure, and Water Infiltration
Ray Archuleta, USDA-NRCS, Greensboro
- 2:30 Cover Crops for Forage to Improve Water Quality
Gary Wilson, OSU Extension, Hancock
- 3:00 Break
- 3:15 Using Cover Crops with Manure (CLM)
Ray Archuleta
- 3:45 Cover Crops and Soil Fertility (Farmer Panel) (CLM)
Dave Brandt, Howard Weller and Dave McNeilen
- 4:45 Adjourn

Room C Friday Planters and Precision Ag

- 8:30 Planter & Drill Adjustment for peak performance
Bill Lehmkuhl, Precision Agri-Services
- 9:30 Planter & Drill Adjustment (repeat)
- 10:30 Break

Precision Agriculture

- 10:45 Precision guidance systems for auto steer
Ryan Oehler, Ag Leader
- 11:15 Intro to RTK systems
Tim Stombaugh, Extension Ag. Engineer, Univ. of Kentucky
- 11:45 Considerations for Variable rate seeding
Matt Darr, Ag. Eng., Iowa State
- 12:15 Lunch
- 1:30 Improving the Uniformity of Spray Application
Scott Shearer, Chair, Biosystems and Ag. Eng. Dept., U. of Kentucky
- 2:30 RTK networks
Dusty Sonnenberg, Consultant, and others
- 3:30 Break
- 3:45 Ag. Uses of Statewide Ohio DOT CORS networks
Matt Darr & Tim Stombaugh
- 4:45 Adjourn

Conservation Tillage & Technology Conference
Thursday – Friday
February 25-26, 2010

66 presenters, panelists
Certified Livestock Manager training
10+ hours of Nutrient Management
5 hours of Soil & Water
Corn University (5+ hr)
Soybean School (4+ hr)
Speakers from 9 universities
Precision Ag. (Friday)
Farmer and industry panels
Cover crops (Friday)
Planter adjustments
Crop scouting (4 hr)

Certified Crop Advisors (CCA) are requested to bring their new card for rapid sign-up for credits

Impact of the 2009 CTC

- **Total attendance: 896**
- **Approximately 370 received credits as Certified Crop Advisors.**
- **Farmers valued CTC education at \$13 per acre.**
- **Crop Consultants placed a value on their increased knowledge at \$16 per acre.**