



## Conservation Tillage & Technology Conference

to be held at  
**McIntosh Center**  
**Ohio Northern University**  
**402 West College Ave.**  
**Ada, Ohio 45810**

on  
**Tuesday-Wednesday**  
**March 7-8, 2017**

CTC 2017 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*
- *Xtend Crop Systems*
- *Ohio Corn Marketing Program*
- *Ohio Soybean Council*
- *Ag Credit*
- *Seed Consultants*
- *Farm Science Review*

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

## Wingfield Crop Insurance Service proudly supports the 2017 Conservation Tillage Conference



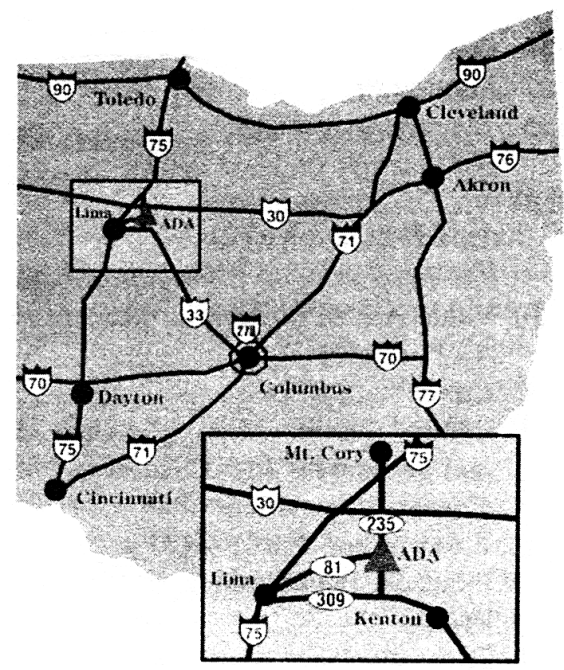
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### Room Reservations

**The Inn at Ohio Northern University**  
 419-772-2500  
 Special CTC rate: \$105 plus tax  
 (plus \$10 each additional guest)

Kenton, Rt. 67, east of Rt 31  
**Country Hearth & Suites**, 419-675-1400  
 Special CTC rate: \$72 plus tax

Lima, I-75 at SR 309  
**Hampton Inn** 419-225-8300  
 Ask for CTC rate: \$95 plus tax  
 (call by Feb. 24)

Bluffton, I-75 at Rt 103  
**Comfort Inn** 419-358-6000  
 Special CTC rate: \$79.00 plus tax  
 (call by Feb. 24)

*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: <http://ctc.osu.edu>

## REGISTRATION FORM or Register online at <http://ctc.osu.edu>, up to March 3

Early Registration \$65/day or \$85 for both days  
 Registration (mailed after Feb. 27) \$80/day or \$105 for both days

Name(s) \_\_\_\_\_ @ \$65 = \$ \_\_\_\_\_  
 \_\_\_\_\_ @ \$85 = \$ \_\_\_\_\_

Farmers: How many acres of cropland? \_\_\_\_\_  
 Crop Consultants: How many acres do you manage? \_\_\_\_\_

(Please list all names if registering for a company)

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Return with payment to: Conservation Tillage Conference, Allen SWCD, 1601 East Fourth St., Suite B, Lima, Ohio 45804  
 If CTC is cancelled due to unforeseen circumstances, we reserve the right to use funds for next year's conference.

## CTC Program Overview

The main program starts with the General Session at 9:00 Tuesday. Awards will be presented by *Ohio Farmer* magazine and Ohio Certified Crop Advisers. Paul Jasa, Ag Engineer at the University of Nebraska, will be the keynote speaker on “Systems Approach to No-till and Soil Health.”

Note that an **Advanced Cover Crops** session will begin at 8:00 a.m. in the Chapel and run all day Tuesday. This session will break for Paul Jasa’s presentation.

Starting at 10:30, concurrent sessions take over. The Tuesday program includes **Corn University, Manure Nutrient Management, and Technologies to Support On-Farm Decisions**. The sessions will end about 5:30 p.m.

The Wednesday lineup of concurrent sessions includes: **Soybean School; Quantifying Soil Health; Conducting On farm Research: Does it Really Work?** (half day); **Transition to No-Till** (half day); and **Conservation Assessment and Planning**. The Soil Health and On-farm Research sessions start at 8:00, and the other two will start at 8:30. Sessions will end about 4:30 p.m.

**CCA credits** will be available, with an emphasis on Soil & Water, Nutrient Management, and Crop Management. We expect 400 crop consultants to attend. The Ohio Certified Crop Adviser of the Year will be honored at the start of the General Session, and the *Ohio Farmer* magazine will honor Master Farmers.

Our primary audience is farmers, but we provide CCA credits as an extra benefit for crop consultants.

The full program is online at: [ctc.osu.edu](http://ctc.osu.edu). Look for changes/additions in speakers and topics.

**Corn University** will feature Extension Specialists including: Roger Elmore, (Nebraska); Emerson Nafziger (Illinois); and Peter Thomison (OSU), plus Paul Jasa on “Equipment considerations for no-till corn”; Jonathan Lundgren, Entomologist; and Rod Stevenson, who will discuss details of the DeKalb/ASGROW Xtend Crop System.

The **Manure Nutrient Management** session has 9 topics (5.5 hours total) on a range of topics: Drag hose manure plots (Sam Custer and Glen Arnold, OSU); Dairy and beef manure plot results (Eric Richer, OSU); Nitrogen management when using livestock manure (Jim Camberato, Purdue U.); Stratification of Phosphorus (David Baker, Heidelberg U.); Working with commercial applicators (Eric Dresbach, W.D. Farms); Poultry Manure-From Farm to Field (Mike Cook, Innovative Ag Management); Common mistakes made with livestock manure (Kevin Elder, ODA); Balancing for soil nutrients when using manure (Terry Mescher, ODA); and What to expect with ODA inspections (Dan Bruner).

The **Advanced Cover Crop** session includes: Correcting tillage effects with cover crops (Paul Jasa); Soil health and cover crop economics (Rodney Rulon, no-till farmer); Slug management (Kelley Tilmon, OSU); Managing voles (Alan Sundermeier, OSU, and David Brandt, no-till farmer); Cover crop interseeder (Alex Lindsey and Ryan Hayden, OSU); Short season crop hybrids (Peter Thomison, OSU); NRCS soil health standards (Jim Hoorman); Evaluating cropping systems with cover crops (Anne Morrow, Midwest Cover Crop Council); Soil classification changes (Don McClure, NRCS, retired); and a farmer panel, led by Sarah Noggle (OSU), on cover crop practices to reverse soil degradation.

The **Technologies to Support On-Farm Decisions** session will focus on Apps in the morning with Kaylee Port (OSU), Jordan Hoewischer (Ohio Farm Bureau), and Jay Witkop (John Deere). The afternoon schedule will include: Using technology to setup and conduct on-farm research (Ryan Oehler, Ag Leader); Data collection (Elizabeth Hawkins, OSU); Setup, protocol and results (Steve Culman, OSU); Imagery for decision making (Nate Taylor, AerOptic); Identifying drainage tiles (Rob Freeland and Barry Allred, USDA); On-farm research in Kentucky (Josh McGrath, UK).

**Day 2 (Wednesday)** features another session on **Conducting On-farm Research**. That will be a morning session, followed by an afternoon session on **Transitioning to No-Till**. (Speakers

announced later)

**Soybean School** will feature soybean agronomists: Emerson Nafziger (U. of Illinois); Shaun Casteel (Purdue); Shawn Conley (U. of Wisconsin); Mark Loux (OSU); Laura Lindsey (OSU), and Harold Watters (OSU).

A new session, **Quantifying Soil Health**, will begin at 8:00 with a presentation by Alan Sundermeier and Vinayak Shedekar on the OSU Soil Health Initiative, management resources. A main speaker will be Jonathan Lundgren of South Dakota on “Managing pests with Mother Nature.” He draws on his experience of many years as an entomologist with USDA-ARS learning how practices that encourage predators will go a long way toward controlling pests, often much more effectively than pesticides. Other topics include: Corn nitrogen rates and N uptake, and Overview of commercial soil health tests (both by Steve Culman, OSU); Beneficial microbes (Ye Xia, OSU); Soil balance relationships, Ca/Mg ratios (Vijay Chaganti, OSU); and the OSU soil health assessment package (Rafiq Islam).

Another new session is **Conservation Assessment and Planning**. The morning topics will include up to date edge of field research from Kevin King (USDA-ARS) and conservation planning. Speakers will cover interpreting soil test results and move into conservation planning. The afternoon will focus on conservation practices and programs as well as reviewing nutrient application regulations.

In addition to CCA credits, Certified Livestock Manager (CLM) credits will be available. Details will be posted in February.

Program updates will be posted on the website: [ctc.osu.edu](http://ctc.osu.edu).

Connect with us on Facebook: Conservation Tillage and Technology Conference.

### **Fertilizer Applicator Certification, MONDAY March 6**

On Monday evening, 6:00-9:00 pm, the full 3-hour training will be presented in The Inn at ONU (across street from the McIntosh Center). Register at: [nutrienteducation.osu.edu](http://nutrienteducation.osu.edu). No cost to attend. Bring your Ohio Pesticide Applicator license if you have one.

## Conservation Tillage & Technology Conference

**Tuesday-Wednesday  
March 7-8, 2017**

~60 presenters

~12 hours of Nutrient Management

~12 hours of Soil & Water

~12 hours of Crop Management

*Advanced Cover Crops*

*(starting at 8:00 am Tues.)*

*Corn University (Tues.)*

*Manure Nutrient Management (Tues.)*

*Technologies to Support On-Farm Decisions (Tues.)*

*Soybean School (Wed.)*

*Quantifying Soil Health (Wed.)*

*Conducting On-farm Research (Wed. morning)*

*Transition to No-Till (Wed. afternoon)*

*Conservation Planning (Wed.)*

*Speakers from 6 universities*

*Farmer and industry speakers*

### **Certified Crop Advisers (CCA)**

The preferred sign-in during each presentation will be by an app on your smart phone. Limited sign in sheets will be available. (Links to download an app are at: [ctc.osu.edu](http://ctc.osu.edu))

### **Major Sponsors**

- *Roundup Ready Xtend Crop System*
- *Ohio Corn Marketing Program*
- *Ohio Soybean Council*
- *Ag Credit*
- *Seed Consultants*
- *Farm Science Review*
- *Wingfield Crop Insurance*