

*Conservation in Action Tour  
July 9-10, 2013 - Livingston County, Illinois*

# CONSERVATION TECHNOLOGY INFORMATION CENTER



**2013 Conservation in Action Tour  
Livingston County, Illinois**



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# TABLE OF CONTENTS

Greetings from CTIC.....	2
Tour Itinerary .....	3
Welcome to Livingston County, Illinois.....	5
4R Nutrient Stewardship .....	6
1st Farm Credit Services.....	7
The Bachtold Farm · Soil Health.....	8
Indian Creek Watershed Project.....	15
Kilgus Farmstead · Nutrient Management.....	16
Lunch Speaker.....	19
Champions 4 the Community · Lucky Duck Farm.....	23
Trainor Farms · Drainage Water Management .....	24
Champions 4 the Community · Prairie Central High School Agriculture.....	29
Dinner Speaker .....	30
About CTIC.....	31
CTIC Projects.....	34
• Indian Creek Watershed Project.....	34
• Great Lakes Cover Crop Initiative .....	35
• Monitoring Nitrate in Tile Outlet Flows from Indian Creek Farms .....	36
• Cover Crop User Survey .....	37
• Watershed Implementation and Innovation Network (WIIN).....	38
• 6 <sup>th</sup> World Congress on Conservation Agriculture (WCCA) .....	39
• Aquatic Resource Monitoring Technical Training Workshops.....	40
CTIC Partner Projects.....	41
• Conservation Cropping Systems Initiative.....	41
Be a Member. Make a Difference.....	42
A Thank You to Our Sponsors .....	46

*"The Mosaic Company continues to support CTIC and encourage its growth because we share CTIC's commitment to conservation. The Conservation in Action Tour brings together a large and diverse group of stakeholders in the future of sustainable agriculture, and we are proud to encourage their conversation as the tour's lead sponsor."*

*- Ben Pratt, CTIC board member and director of communications at The Mosaic Company*



# GREETINGS FROM CTIC

**O**n behalf of the CTIC Board, I'm pleased to welcome you to our 2013 Conservation in Action Tour, 'Community 4 Conservation.' Thanks so much for joining us today. We've planned this tour to help highlight the successful conservation efforts of this entire community. All of us at CTIC look forward to meeting you and hopefully having you join us in our efforts to promote and provide information on conservation technologies and sustainable systems for preserving our nation's critical soil, air, water and wildlife resources."

**- Dave Gustafson, CTIC board chair**



**T**oday, you'll meet producers dedicated to making conservation work on their farms and for their communities. You'll hear from agriculture advisers who help build those successful conservation systems, and you'll get up-close with the information, technologies and practices that make conservation productive. That's our goal with the Conservation in Action Tour -- to showcase the people and the systems that are advancing productive conservation and to give you information you can take back to your Community 4 Conservation. Enjoy!"

**- Karen Scanlon, CTIC executive director**

*"As one of the founding members of CTIC, Syngenta is thrilled to be a sponsor of the Conservation in Action Tour. I have watched this tour grow and move to different areas of the country, all the while educating our stakeholders about modern agricultural conservation practices. I can't think of a better activity for us to be involved in than participating in outreach that makes a difference."*

**- Rex Martin, CTIC board member and head of industry relations at Syngenta**



*"The tour represents agriculture at its best. The focus on stewardship and site-specific management to optimize production and minimize off-site movement of nitrogen, phosphorus and sediment is a win-win, and it's the outcome we all desire. It's the technologies. It's the practices. It's the people working together for a common goal. It's agriculture at its best."*

**- Pauley Bradley, CTIC board member and product manager at John Deere**



# TOUR ITINERARY • JULY 9

## TOUR REGISTRATION

**4-5:30 p.m. Registration**  
Marriott Conference Center

**5:15 p.m. Guided walks to social**  
Depart every five minutes  
from Marriott lobby

## EVENING SOCIAL

**5:30-7:30 p.m. Medici restaurant**  
120 North Street  
Normal, Ill.



### **Speaker - Jason Weller, Acting Chief, NRCS**

Jason Weller has served as acting chief of USDA's Natural Resources Conservation Service since December 2012. As acting chief, he oversees programs that help protect the environment, preserve our natural resources and improve agricultural sustainability through voluntary, private-lands conservation.



Jason also has served as a staff member for the U.S. House Appropriations Subcommittee on Agriculture where he provided oversight and crafted bills to fund USDA programs and activities. He also served on the U.S. House Budget Committee where he helped construct the annual congressional budget for agriculture, environment and energy programs. As a California native, Jason worked for several years with the California State Legislature where he provided fiscal and policy recommendations on a variety of natural resource conservation and environmental protection issues.

Jason earned his undergraduate degree from Carleton College in Northfield, Minnesota, and a graduate degree in public policy from the University of Michigan.

Social sponsored by



**JOHN DEERE**

# PRE-TOUR SEMINAR • JULY 9

## CTIC AND SOLUTIONS FROM THE LAND PRESENT:

### New Land Management Strategies to Meet 21<sup>st</sup> Century Challenges

Solutions from the Land (SfL) is an organization with a compelling vision for adaptive, resilient land management for global food and energy security, economic development, biodiversity, environmental improvements and solutions to climate change. In March 2013, SfL released a report identifying actions needed to deliver solutions to land management challenges. CTIC's Indian Creek Watershed Project is an example of innovative practices and land management approaches used to address conservation issues and water quality problems.

CTIC and SfL host this 90-minute seminar at the Marriott to highlight the lessons learned and pathways for replicating and scaling up other successful initiatives.

- 3:15 p.m. Light refreshments and registration
- 3:45 p.m. Welcome and introductions
- 3:50 p.m. SfL vision and outcomes
- 4:10 p.m. Lessons learned from Indian Creek
  - Marcus Maier, Livingston County SWCD
  - Marion Shier, Indian Creek Watershed Steering Committee
  - Chad Watts, CTIC
- 4:40 p.m. Facilitated discussion with participants
- 5:15 p.m. Adjourn



# TOUR ITINERARY • JULY 10

## Registration and Boxed Breakfast

6:45 a.m. Marriott and Holiday Inn

7:15 a.m. Rooster Heaven

## Buses Depart

7:25 a.m. Marriott and Holiday Inn

7:45 a.m. Rooster Heaven

## Tour

8:25 a.m. Soil Health - Bachtold Farm

Noon Lunch & Nutrient Management - Kilgus Farmstead

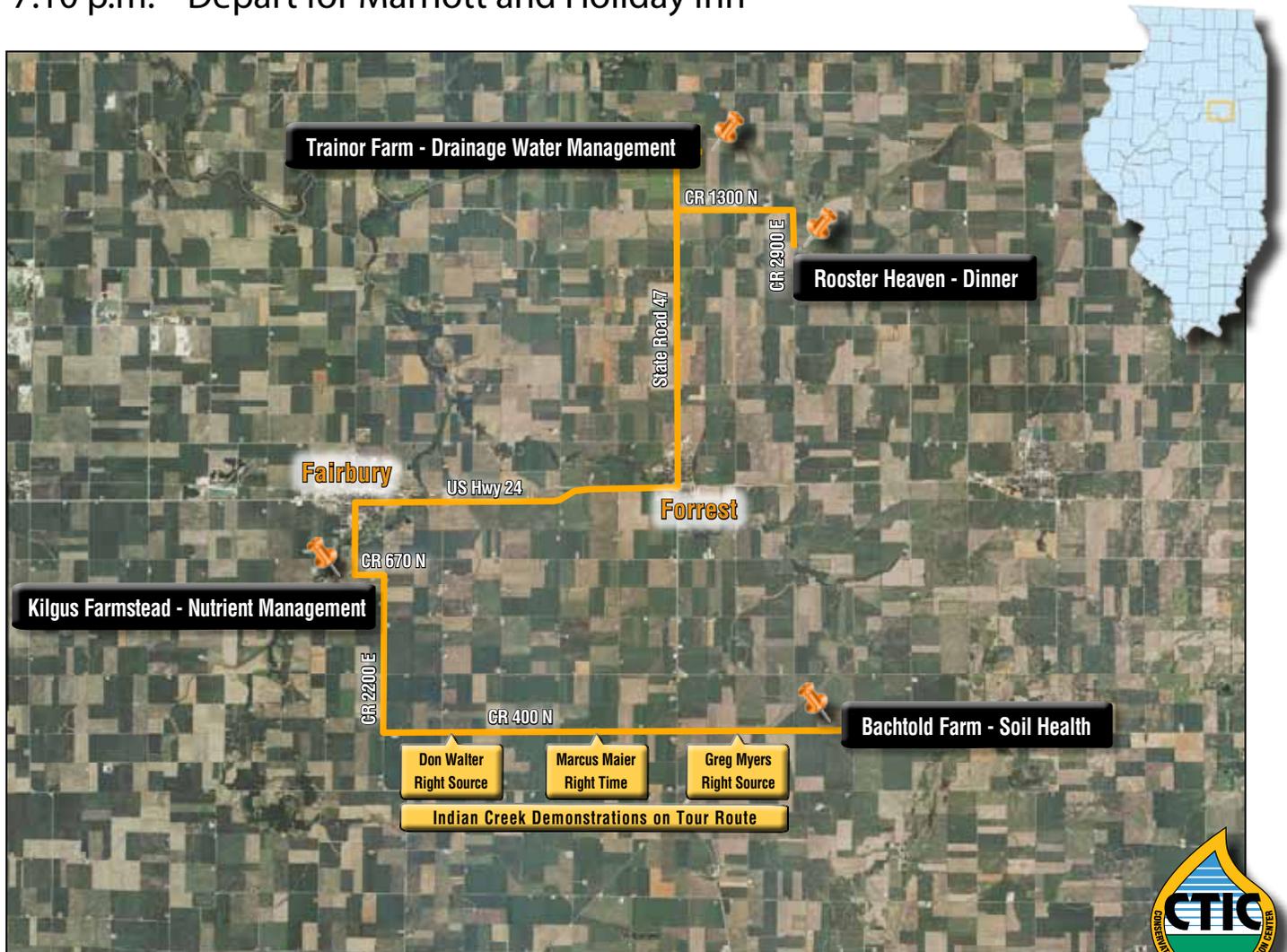
3:25 p.m. Drainage Water Management - Trainor Farm

5:20 p.m. Dinner - Rooster Heaven

7:10 p.m. Depart for Marriott and Holiday Inn

## Thank You!

CTIC extends sincere and heartfelt thanks to the Livingston County Soil and Water Conservation District (SWCD) for sharing knowledge, experience and insight to help make this tour a special event. We appreciate the many hours the SWCD directors and staff contributed and recognize their leadership and dedication to conservation in Livingston County.



# WELCOME TO LIVINGSTON COUNTY, ILLINOIS

## LAND IN FARMS

628,502 acres

## NUMBER OF FARMS

1,319

## AVERAGE SIZE OF FARM

476 acres

## MAJOR CROPS GROWN

**Corn:** 330,438 acres (ranked fifth in state, sixth in nation for number of acres)

**Soybeans:** 237,063 acres (ranked second in state, fifth in nation for number of acres)

**Wheat:** 11,362 acres

## CONSERVATION RESERVE PROGRAM ACRES

12,924

## LIVESTOCK

**Hogs:** 170,473 animals (ranked third in state)

**Cattle and calves:** 12,585

**Layers:** 1,030

## MAJOR WATERSHEDS

Vermilion River (Illinois River drainage): 525,328 acres

Vermilion River (Wabash River drainage): 5,959 acres

Illinois River: 128,741 acres

Mackinaw River: 8,798 acres

Indian Creek (within the larger Vermilion and Illinois River watershed): 51,243 acres



## ACTIVE WATERSHED GROUPS

Vermilion River Watershed Task Force; Indian Creek Steering Committee; Livingston County Soil and Water Conservation District

## OPPORTUNITIES FOR CONSERVATION AGRICULTURE

- Abundance of high-quality cropland.
- Active and supportive local conservation delivery system with the Soil and Water Conservation District and the local Natural Resources Conservation Service office.
- Local farmers care about conservation and water quality, strive to be environmentally responsible and take great pride in properly taking care of their land and farms.
- Local farmers recognize that they have an abundance of good, productive farmland, and they want to be good stewards of their land.

## CONSERVATION CHALLENGES

- Impaired water bodies exceed nutrient thresholds associated with drinking water standards.

**Livingston County Soil & Water Conservation District**  
**1510 W. Reynolds**  
**Pontiac, IL 61764**  
**Phone: 815-844-6127, extension 3**  
**Fax: 815-844-6344**



## Indian Creek Watershed Project

The Indian Creek Watershed Project strives to demonstrate the effectiveness of conservation practices and their effect on water quality. This effort emphasizes practice profitability and shows how producers can protect their bottom lines while conserving water quality. The Fertilizer Institute supports this project facilitated by CTIC because it enhances our 4R nutrient stewardship outreach efforts through field tours, public meetings, email and website updates, news releases and more.



## 4R Research Fund

The North American fertilizer industry has pledged \$7 million to fund a multi-year research effort aimed at measuring and evaluating the economic, social and environmental impacts of 4R nutrient stewardship. The fund, coordinated by The Fertilizer Institute (TFI), the Canadian Fertilizer Institute (CFI) and the International Plant Nutrition Institute (IPNI) will support U.S. and Canadian projects in partnership with land-grant universities, watershed stakeholders and government agencies, as well as through industry initiatives.



Details on these and other 4R initiatives can be found at [www.nutrientstewardship.org](http://www.nutrientstewardship.org)

## 4R Advocate Program

The 4R Advocate Award program recognizes individuals who are protecting the environment, boosting profitability and benefiting society through nutrient stewardship practices based on the 4Rs. Winning farmers are nominated by their agricultural retailers who are also recognized as 4R Advocates. The 4R Advocates engage with other growers at the Commodity Classic and throughout the year. Sharing 4R success stories from the field level plays a critical role in the adoption of the 4Rs.



## 4R Learning Modules

TFI, USDA's Natural Resources Conservation Service, Iowa State University, and IPNI have worked together to develop 4R educational materials for NRCS employees, service providers, producers and other stakeholders. The educational modules provide agronomic and environmental information on the macro- and micro-nutrients relative to decisions regarding practice selection tied to nutrient source, rate, time and place.



# WE SUPPORT COMMUNITY 4 CONSERVATION



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1<sup>st</sup> Farm Credit Services is an equal opportunity provider.



# THE BACHTOLD FARM • SOIL HEALTH

Legal Description: Section 25, T.26N. R.7E.

State and County: IL, LIVINGSTON



## Legend

*Courtesy of USDA-NRCS*

- |   |                              |     |                     |
|---|------------------------------|-----|---------------------|
| O | Cover Crop Plots             | —   | Stockwater Pipeline |
| S | Manure Composting            | —   | Fence               |
| Q | Nitrogen Use Efficiency Plot | v v | Windbreak           |
| 4 | Stream Crossing              | ▨   | Prescribed Grazing  |
| % | Watering Facility            | ▨   | Hay                 |
|   |                              | ▨   | Filterstrip         |



# GRAZIN ACRES • THE BACHTOLD FARM



## The Bachtold Farm

- 140 acres
- In the family since 1920s
- 35 cow-calf, grass-fed beef operation



Terry Bachtold

## Conservation Practices on the Farm:

- Focus on animal genetics and health
- Rotational Grazing – farm divided into paddocks with a waterline leading to each one
- 66-foot wide filter strip along the creek to filter any water leaving the farm
- Cattle fenced away from creek
- Windbreak on west side of farm
- Cattle crossing installed through creek
- Nutrient management plan in effect
- Composting manure



**M**any names have been considered for the Bachtold Farm over the years, but since animals spend their days grazing, the Bachtolds settled

on Grazin' Acres. Gus Bachtold purchased the farm in the 1920s, and Terry (Gus' grandson) and his wife, Judy, started working together on the farm when they were married 40 years ago.

This was the typical Midwestern crop farm, a corn and soybean rotation with hogs and

# GRAZIN ACRES • THE BACHTOLD FARM

cattle. Through the years, agriculture has become more concentrated with larger grain farms and less livestock. Grazin' Acres became smaller, and Terry and Judy both sought employment off the farm. Terry joined the Livingston County Soil and Water Conservation staff and has been promoting conservation practices to area farmers since 1999. They transitioned from grain crops into a Black Angus cow/calf rotational grazing system with oats, wheat, hay and pasture.

Several years ago, they helped form a co-op called Stewards of the Land, which features small farms providing locally grown food for families across Illinois. Through working with Stewards and time spent at various conferences and seminars, the Bachtolds learned of the nutritional benefits of grass-fed beef. They already had the cows on a total grass diet, so they decided to keep some calves to eat only grass and hay. The other calves went to a grain-fed beef farm.

Each spring, March through May, 30-35 calves are born on the farm. They are raised without antibiotics, artificial hormones or corn and stay in the pasture

with their mothers until fall when they are weaned. They keep some of the calves in the grass-fed program while others are sold to another farm operation. Calves are ready for market at 18-20 months and taken to a USDA-inspected meat locker plant in Chenoa, Ill., where the meat is dry-aged for 14-21 days and then processed according to a customer's specifications.

To maintain a successful grass-fed beef program, the Bachtolds must maintain healthy soil on their farm. Healthy soil leads to nutritious forages and improves herd health.



*Terry Bachtold has been promoting conservation practices to area farmers since 1999.*



# THE BACHTOLD FARM • SOIL HEALTH

**S**oil is the basis for life on Earth. It provides a place for plants to root and absorb nutrients, a place for earthworms and insects to live and a place where bacteria and protozoa that are too small to see can perform miracles in cycling nutrients. Soil is also a filter, a sponge, a carbon sink and the foundation for many food chains.

The health of our soil is the basis for our civilization and is an important part of the U.S. economy. In fact, the health of our nation's soils is so vitally important that the U.S. Department of Agriculture's Natural Resources Conservation Service has made it a national priority to improve the health of our soils by promoting soil health principles, practices and systems to farmers across the U.S.

With conservation practices such as reduced tillage, efficient nutrient practices and targeted pesticide use, producers can protect the millions of beneficial microbes, fungi and other animals that live in their soil, maintaining diversity and improving nutrient movement and cycling. With reduced tillage, soils are able to rebuild structure, add organic matter, and improve air and water holding capacity.

Soil quality is important on the Bachtold Farm because forage quality is directly related to the health of the soil that the forages grow in and to herd health. If soil is healthy, and the forages are higher quality, cattle will gain the nutrition they need from the forages with little nutritional inputs from outside sources.

It all goes back to the soil.



## WELCOME FROM NCGA

### **Mike Plumer**

Mike Plumer is a retired University of Illinois Extension educator in agriculture and natural resources and currently a consultant for conservation

agriculture in the U.S. and internationally with experience in programming. He is a member of the National Corn Growers Association and has served on numerous committees. He is also the coordinator of the Illinois Council on Best Management Practices, conducting programming and research in cover crops, conservation and watershed water quality issues. He received his bachelor's degree in agricultural science from the University of Illinois and his master's degree in plant and soil science from Southern Illinois University.

He will also be speaking at the cover crop variety session of this tour stop.

## AERIAL SEEDING DEMONSTRATION

*Pontiac Flying Service demonstrates the aerial seeding of cover crops into corn. The flying company is donating their services.*

*Cover crop seed has been donated by ProHarvest.*

## Tour stop sponsored by



NATIONAL  
CORN GROWERS  
ASSOCIATION

# THE BACHTOLD FARM • SOIL HEALTH

## DIGGING UP BENEFITS

Get down to soil level to see up close how cover crop roots grow and contribute to improved soil health. Fibrous and larger tap roots will be shown, and soil properties will be discussed.



*"Soil Health is the key to Soil Sustainability! We need to provide a safe, secure and profitable soil environment for future generations as well as our own current one! It's the only way!"*

### **Roger Windhorn**

As a resource soil scientist/geologist with the USDA's Natural Resources Conservation Service in Champaign, Ill., Roger Windhorn has spent 43 years in the soil management field mapping soils, working extensively in soil interpretations, preparing and writing three Soil Survey Reports, training over 35 new soil scientists and conducting geologic investigations. In 2009, Roger received the National Cooperative Soil Survey Soil Scientist Achievement Award. He received his bachelor's degree in agricultural science from the University of Illinois and his master's degree in agronomy from the University of Illinois.

### **Ken Lehmann**

Through federal cost-share programs in 1980, Ken Lehmann began transitioning his farm to no-till. He is now operating with 100 percent no-till. He began cover crops after wheat in 2011, growing tillage radish and oats. Ken strip-tills anhydrous through cover crops. He has experienced better root growth with radish, as well as better yields. He said

soil health is important to central Illinois because it increases organic matter and carbon sequestration.



## BUILDING SOIL HEALTH THROUGH NO-TILL

At this tour stop, soil-building benefits of no-tillage cropping systems will be highlighted. Physical and biological properties of the soil will be discussed.



### **Greg and Ryan Myers**

The Myers family has been using no-till for beans for more than 20 years and strip-till for corn for five years. Soybeans are 100 percent no-till, and corn is 100 percent strip-till. They have used cover crops for three years but have only had one good year. They are continuing to learn how to best integrate cover crops into their conservation system. With their conservation system, the Myers reduce erosion and fuel costs, use smaller machinery and save equipment wear and tear. They also have installed 40 acres of filter strips along Indian Creek and along drainage ditches that flow into Indian Creek.



### **Hans Kok**

Dr. Hans Kok is the coordinator of the Indiana Conservation Cropping Systems Initiative (CCSI). He has published more than 30 Extension publications and several articles in scientific journals and has received numerous professional awards. A native of the Netherlands, Hans has worked on erosion protection projects in Spain and Israel and has worked for the USDA Agricultural Research Service in the state of Washington. He holds bachelor's and master's degrees from the Agricultural University in The Netherlands and a doctorate in agricultural engineering from the University of Idaho.

*"Degenerating soil conditions from current tillage practices have reduced soil quality. With reduction in soil quality comes a reduction in yield potential which will impact potential to meet food needs worldwide."*

### **Dan Towery**

Dan Towery operates Ag Conservation Solutions in Lafayette, Ind., and focuses on no-till, cover crops and soil health. He is assistant coordinator for the Conservation Cropping System Initiative in Indiana and serves as a consultant to several other agriculture associations, foundations and businesses. Dan was with the USDA's Natural Resources Conservation Service (NRCS) for 25 years and was a liaison between NRCS and CTIC for the last 10 years of his service. He is currently president of the Soil and Water Conservation Society. He is also a board member of NICHES Land Trust.



# THE BACHTOLD FARM • SOIL HEALTH

## BENEFITS AND CHALLENGES OF COVER CROPS

*Livingston County producers use cover crops for erosion control, improved nutrient cycling, and improved water infiltration, among other benefits. Cover crop timing, rotations, nutrient cycling water conservation benefits and techniques for using cover crops will be discussed.*



### **Daniel Steidinger**

Producer Daniel Steidinger began planting cover crops around five years ago, using radishes following wheat. He no-tills most of his beans and strip-tills his corn, leaving at least 50 percent residue. He uses cover crops to improve soil tilth and enhance the microbial populations. Daniel engages

with the community by talking one-on-one with other farmers about conservation on his farm and by implementing conservation systems on his farm that benefit the environment and the farm.



### **Mike Plumer**

Mike Plumer is a retired University of Illinois Extension educator in agriculture and natural resources and currently a consultant for conservation agriculture in the U.S. and internationally with experience in programming. He is a member of the National Corn Growers Association and has served on numerous committees. He is also the coordinator of the Illinois Council on Best Management Practices, conducting programming and research in cover crops, conservation and watershed water quality issues. He received his bachelor's degree in agricultural science from the University of Illinois

and his master's degree in plant and soil science from Southern Illinois University.

*"Agriculture is THE industry of Central Illinois. Our soils are our factories. Improving soil health will ensure high productivity in the future and the survival of farming operations and the agriculture support industry."*

## ROTATIONAL GRAZING SYSTEM AND ANIMAL HEALTH

*Conservation practices used for livestock, such as stream crossings and livestock watering systems, benefit herd health. Speakers will discuss pasture management, the relationship between pasture quality and herd health, prescribed grazing, stocking rates, harvest efficiency, paddocks and pasture scoring.*



### **Terry Bachtold**

Terry Bachtold is the agriculture resource coordinator for the Livingston County Soil and Water Conservation District. He and his family raise grass-fed beef with 30-35 calves born on the farm each spring. The operation started with a corn and soybean rotation with hogs and cattle. Throughout the years, however, the farm became smaller and

the Bachtolds transitioned from grain crops into a Black Angus cow/calf rotational grazing system with oats, wheat, hay and pasture. See more about the Bachtold Farm on page 9.



### **Paul Youngstrum**

Paul Youngstrum is a resource conservationist on the USDA's Natural Resources Conservation Service (NRCS) area staff at Morris, Ill. Paul has also worked as an NRCS soil scientist in southwestern Illinois and was the district conservationist in Piatt and LaSalle counties until taking his current

position in 2005. He assists NRCS staff in northeastern Illinois with agronomic practices, such as nutrient management, prescribed grazing and fencing, animal waste utilization, vegetative practices and prescribed burning. He also provides training in soil health. Paul is a Certified Crop Adviser and graduated from Western Illinois University in 1976.



### **Lori Younker**

Lori Younker is an area engineer for the USDA's Natural Resources Conservation Service and has worked for the agency for 18 years. She provides assistance in implementing conservation practices that will address landowners' and producers' resource concerns. She will discuss the purpose of the livestock

pipeline and stream crossing as part of the Bachtold grazing system, as well as the environmental and animal health benefits to implementing these conservation practices.

# THE BACHTOLD FARM • SOIL HEALTH

## PRODUCER PANEL

*Local producers will discuss conservation agriculture opportunities and share their perspective on conservation challenges in a moderated panel discussion. A 10-minute audience question and answer session will follow.*



### **Marcus Maier**

Marcus Maier is a fourth generation farmer from Forrest, Ill. He and his wife, Patty, reside on their centennial family farm with their three teenagers. Marcus has been a director for the Livingston County Soil and Water Conservation District for the past six years and a steering committee member of the

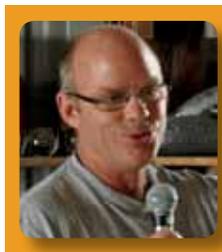
Indian Creek Watershed since its inception. As an NRCS Conservation Stewardship Program participant, he is an avid no-till soybean proponent, cover cropper and supporter of on-farm demonstration plots.



### **Tim McGreal**

Tim McGreal farms near Chatsworth, Ill., on land that has been in his family for over 100 years. His main crops are corn and soybeans, and he occasionally plants wheat. Tim has a no-till soybean system and a strip-till corn system, often using a corn-after-corn rotation.

Variable rate technology is used for many of his crop nutrients and a real-time kinetic (RTK) guidance system manages traffic on his farm. Tim also uses his strip-till unit to place nutrients deeper in the soil profile for use by the crop. Tim operates an Ag Leader implement dealership near Chatsworth.



### **John Traub**

John Traub operates Traub Farms, a multi-generational farm operation based in southern Livingston County, Ill. Crops grown on more than 4,000 acres include corn, soybeans, some specialty hybrid seed corn and hybrid sunflower. The Traubs also are partners in BLT Pork Inc., a 1,200 sow farrow-to-finish swine

operation, which uses flush channel buildings in conjunction with a three-stage lagoon system for waste management.

The Traubs were Livingston County's Conservation Farm Family of 2010. Strip-till corn and no-till beans in rotation cover the majority of the acres. They also installed terraces, buffer strips, filter strips, grass waterways and drainage tile to help protect soil and water quality. John participates on the Indian Creek Watershed Project Steering Committee, which provides guidance and feedback to the project implementation team.

John Traub also will display equipment at the Kilgus Farmstead.

## CROP SENSOR REFLECTANCE MONITORING SYSTEM DEMONSTRATION

*The crop sensor reflectance monitoring system is a device that uses sensor technology to measure canopy greenness and biomass. Using these results, producers can more accurately apply the amount of nitrogen needed by the growing crop. Three systems are available to producers, including GreenSeeker, OptRx and CropSpec. GreenSeeker will be demonstrated.*

# INDIAN CREEK WATERSHED PROJECT

## INDIAN CREEK DEMONSTRATION PLOTS AND NUTRIENT USE EFFICIENCY TRIALS

On our way from the Bachtold Farm to the Kilgus Farmstead, we will drive past three Indian Creek demonstration plots (see map on page 4).

Since 2010, the Indian Creek Watershed Project has demonstrated various products, technologies and conservation systems that can help growers more efficiently use applied nutrients and protect soil and water quality. CTIC members sponsor these demonstrations.

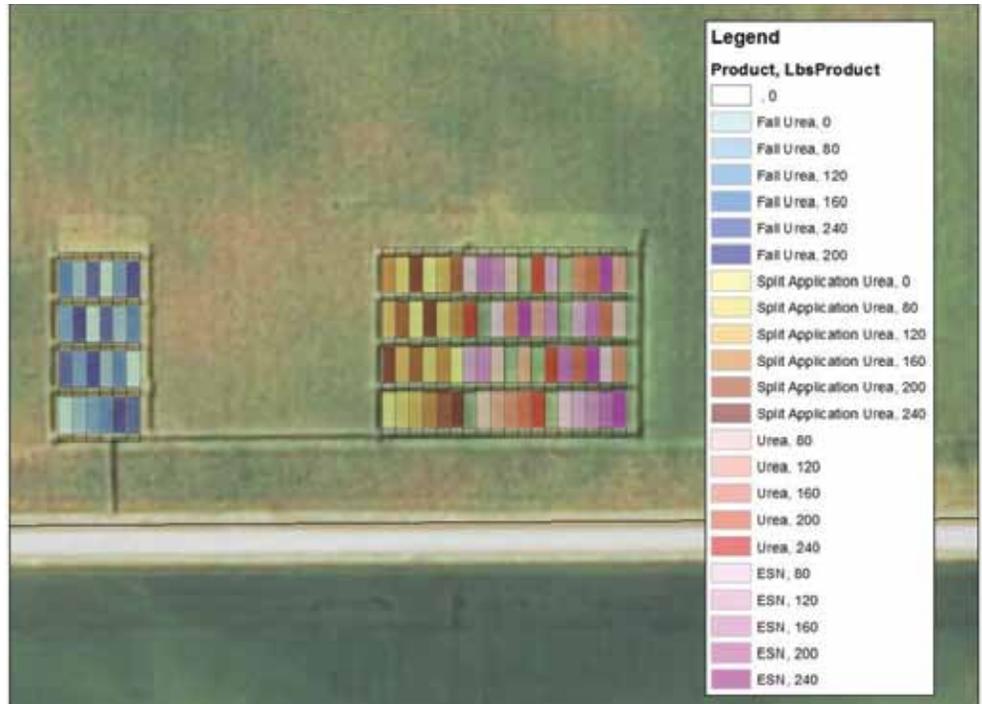
Two demonstration methods are used. In the first method, a farm or field is split into several adjacent areas. Each area is then farmed using a unique system so that each one can be compared to the others throughout the season. Producers are asked to collect yield information separately from replicated test strips within each treatment area so that consultants can assist in identifying any differences between trials.

The second demonstration method is a nutrient use efficiency (NUE) trial. An NUE trial consists of small plots that compare various farming techniques side-by-side to understand how efficiently plants use the demonstrated products and systems. NUE plots typically evaluate principles of the 4Rs of Nutrient Stewardship (right time, right place, right rate and right source). With NUE plots, farming techniques are replicated in multiple plots under similar conditions. This ensures that reliable information can be collected. Input and yield information from NUE plots are used to help quantify how efficiently the crop used nutrients applied with the demonstrated practice.

Practices shown to provide greater efficiencies and conservation benefits to soil and water quality are typically highlighted during the project's field tours and meetings. Growers who demonstrated these practices are typically asked to share their experiences. Industry partners are also involved in providing information about particular products.

### **For more information:**

**Visit [www.ctic.org/IndianCreek](http://www.ctic.org/IndianCreek) or contact Chad Watts, CTIC project director, at 574-242-0147 or [watts@ctic.org](mailto:watts@ctic.org). See page 35 for more on the Indian Creek Watershed Project.**



**Indian Creek demonstration plots at the 2012 field tour.**

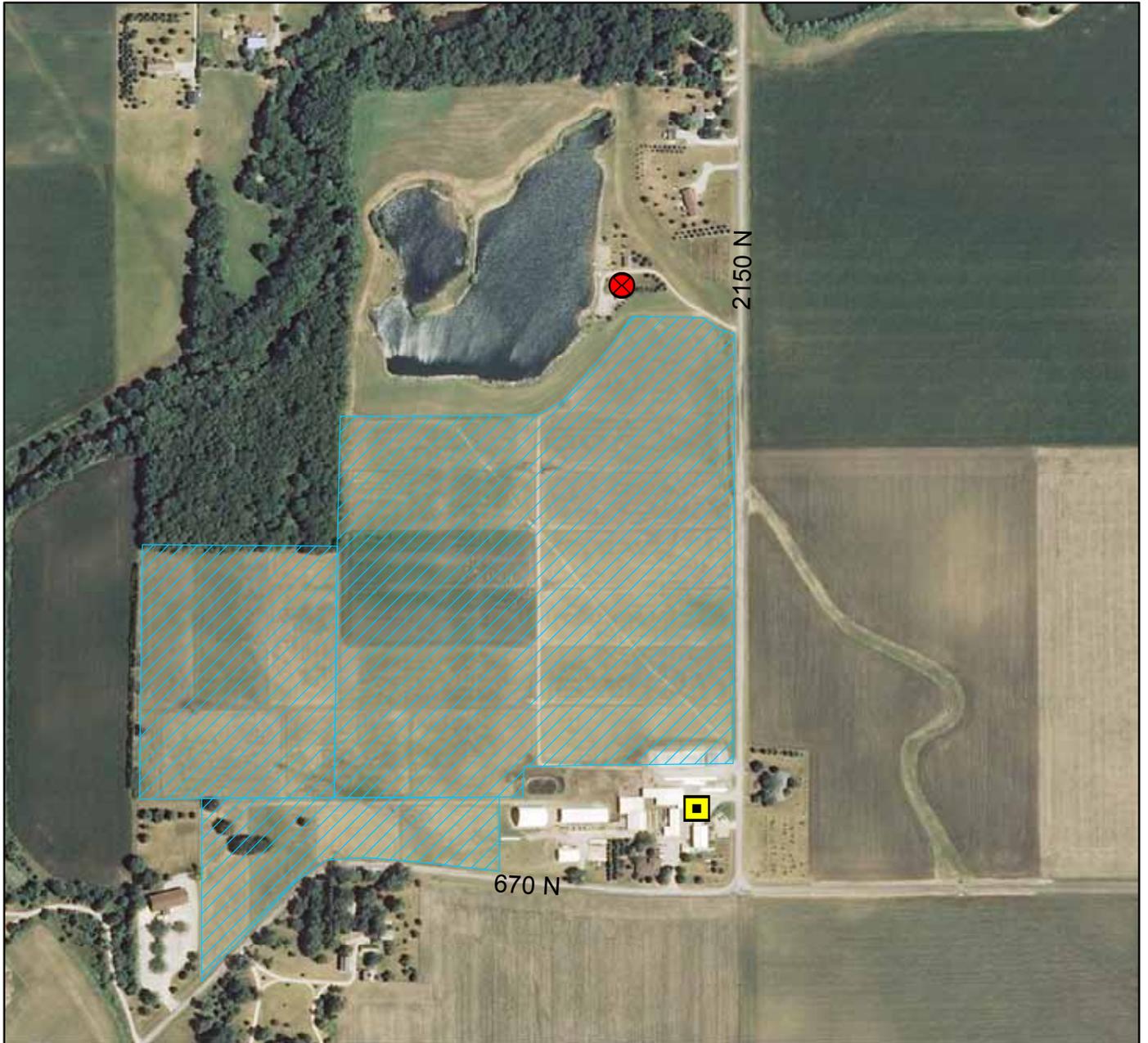
*Products and practices available for demonstration plots in 2013 include:*

- Comparing nitrogen timing using anhydrous ammonia (fall vs. spring vs. split application).
- Strip-till application of anhydrous ammonia in fall and spring application using timed-release nitrogen.
- No-till and enhanced efficiency nitrogen sources.
- Spring urea and ammonium nitrate with and without a nitrogen stabilizer.
- Manure with and without a nitrogen stabilizer.
- Fall nitrogen application with a stabilizer vs. a spring application of controlled-release nitrogen.
- Phosphorous source comparison (monoammonium phosphate vs. phosphorous product enhanced with micronutrients).
- Spring nitrogen application vs. spring nitrogen application with a late season application of an enhanced nitrogen product.
- Variable rate nitrogen vs. field average nitrogen rates
- Cover crops vs. conservation tillage and a nitrogen application.
- Fall and spring nitrogen applications on wheat vs. late season application of nitrogen.
- Spring nitrogen application with a side-dress vs. spring nitrogen application with late season nitrogen top-dress.

# KILGUS FARMSTEAD • NUTRIENT MANAGEMENT

Legal Description: Section 15, T.26N. R.6E.

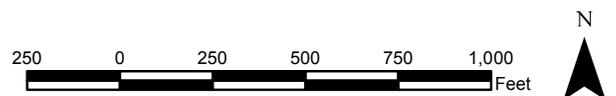
State and County: IL, LIVINGSTON



*Courtesy of USDA-NRCS*

## Legend

-  Kilgus Farm Store
-  Lunch
-  Prescribed Grazing



# KILGUS FARMSTEAD



## Kilgus Farmstead

- 800 acres
- Started in 1950s
- Dairy operation that sells milk and beef in its own farm store on the farm, along with Berkshire pork and Boer goat meat
- Raise corn, soybeans, wheat, pasture and hay
- In addition, operate a small tree nursery and tree spade business



Paul Kilgus

## Conservation Practices on the Farm:

- Grass waterways
- Filter strips along creeks
- Land enrolled in the Conservation Reserve Enhancement Program to enhance wildlife on their farm
- Eight-acre pond used to irrigate pasture and as a family recreational area
- Buffer strips around pond for wildlife habitat
- Comprehensive Nutrient Management Program
- Rotational grazing
- Windbreaks



**K**ilgus Farmstead was started in the 1950s by Duane Kilgus and is currently operated by Paul Kilgus, Duane's son, and Paul's nephew Matt, along with

their families. Paul took over the dairy farm when he graduated from high school in 1987. In 2002, after graduating from Joliet Junior College, Matt joined his uncle in the dairy operation. In 2005, they wrote a Comprehensive Nutrient Management Plan, addressing six basic elements: feed management, manure and wastewater handling and storage, nutrient management, conservation and

# KILGUS FARMSTEAD

management practices to address soil erosion, record keeping and other manure options.

Three years ago, the family turned 50 acres of row crops into pasture. The cows are on pasture from the beginning of April until Thanksgiving and are kept in the lot during the winter. The pasture is divided into 17 paddocks with cows rotated into a different paddock each day. Benefits of rotational grazing have been great, with the biggest benefit in herd health because cows stay in the herd longer.

The Kilgus' milk bottling operation began in 2009 to give Paul and Carmen's sons, Justin and Trent, the opportunity to join the farming operation. They built a bottling plant and a country store. Viewing windows in the store allows visitors to see the bottling plant while enjoying an ice cream cone.

When Justin and Trent joined the operation, the Kilgus Farmstead could diversify even more. Quality meat production has been added to their product line and the store stocks Jersey beef, Berkshire pork and Boer goat meat. The Kilgus Farmstead has become a one-stop shop from a single-source family farm.

The Kilgus Farmstead is host for several activities, such as pasture walks and tours of their farm for local school districts. They also host a tour for more than 100 fourth graders from Chicago.

The Kilgus family notes, "Our 800 acres of corn, soybeans, wheat, pasture and hay not only feeds our livestock that produce high-quality milk and meat, but it feeds the American people."



*Quality meat production has been added to the Kilgus line-up with Jersey beef, Berkshire pork and Boer goat meat sold in their store.*



# LUNCH SPEAKER



## HUNGRY YET?

Looks like these calves from the Kilgus Farmstead are!

Lunch will be by the Kilgus Farmstead pond.



### **Denise Keehner**

Denise Keehner is the director of the Office of Wetlands, Oceans and Watersheds (OWOW) at the U.S. Environmental Protection Agency (EPA) within the Office of Water. Prior to her move to OWOW, Denise was the director of the Standards and Health Protection

Division in the Office of Science and Technology, where she was responsible for overseeing the National Water Quality Standards Program, the Fish Advisory Program and the Beach Program. Previously, she served at the Division Director level in EPA's Office of Pesticide Programs for several years. Denise received a bachelor's degree in biology from University of Maryland.

During lunch, Denise will discuss EPA's programs and the importance of partnerships and on-the-ground leadership in watersheds where nutrient pollution impacts watersheds. She'll comment on stakeholder education and engagement, flexibility and the importance of monitoring and adaptive management.

Lunch sponsored by  
**MONSANTO**



Co-sponsored by

Jenner Sales Corp.  
Illinois Pork Producers Association

# KILGUS FARMSTEAD • NUTRIENT MANAGEMENT

**N**utrient management is an essential function of any working farm. Putting the right plant nutrients in the right place, at the right rate, at the right time, and from the right source represents four pillars of a sound nutrient management strategy. Producers following the 4Rs will use conservation practices that match nutrient supply with crop requirements and minimize nutrient losses from fields.

If nutrients are managed efficiently, crops will absorb and use the majority of the fertilizers that are applied, feeding the needs of the crop when the crop needs the nutrients. This will lead to optimizing crop production for the nutrients applied, both economically and environmentally.

In central Illinois, nutrients lost to the environment ultimately travel to the Gulf of Mexico, contributing to the well-documented hypoxia problems. By managing the timing, rate, source and placement of applied plant nutrients, farmers can minimize losses to the environment and maximize nutrient use efficiency by the crop. The value of the money spent on plant nutrition is then maximized.

At the Kilgus Farmstead, where various types of animal manure are used as a fertilizer, the family regularly tests the nutrient content of the manure as well as the soil in the field to manage their nutrient applications, saving on their bottom line.

## WELCOME FROM GROWMARK



### **Howard Brown**

Howard Brown is the manager of agronomy services for GROWMARK, Inc. He and his team are responsible for providing agronomic training and technical support to more than 400 crop specialists for the

GROWMARK System in Illinois, Wisconsin, Iowa and southern Ontario, Canada. He is currently serving as the interim director of nutrient utilization and research projects for the Illinois Council for Best Management Practices (CBMP).

Howard has previously served the retail farm input industry as a salesperson/plant manager and the seed industry as a field salesperson. He received his bachelor's degree from Southern Illinois University, his master's degree from Purdue University and his doctorate from the University of Illinois. He will discuss the bottom-up approach for sustainable changes by using the acronym "MOM": Minimize environmental impact by Optimizing harvest yield and Maximizing input utilization because natural resources are limited.

**Tour stop sponsored by**

**GROWMARK**

# KILGUS FARMSTEAD • NUTRIENT MANAGEMENT

## AG RETAILERS

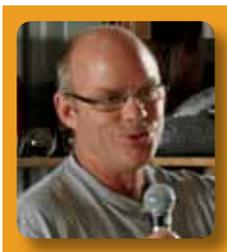
Local ag retailers will display equipment used for implementing nutrient management practices in the Indian Creek Watershed.



### **Dan Froelich**

Questions about the 28-percent sidedress applicator from Brandt Consolidated can be answered by Dan Froelich. Dan serves as the northern region technical agronomist for Brandt Consolidated, working with growers from seven retail locations and managing the Brandt Lexington

Research Farm. He grew up on a farm in Ford County, Illinois, where he was involved with the family farm and still is today. Dan has previously served as a custom applicator operator, sales agronomist, manager of a grain elevator and retail fertilizer plant, and a sales representative. In 2009, Dan became the testing and operations manager for the Trait Integration group at Monsanto's Thomasboro Breeding Station. In this role, he learned how seed transformations are made and the challenges that can accompany the process.



### **John Traub**

John Traub operates Traub Farms, a multi-generational farm operation based in southern Livingston County, Ill. Crops grown on more than 4,000 acres include corn, soybeans, some specialty hybrid seed corn and hybrid sunflower. The Traubs also are partners in BLT Pork Inc., a 1,200 sow farrow-to-finish swine

operation, which uses flush channel buildings in conjunction with a three-stage lagoon system for waste management.

The Traubs were Livingston County's Conservation Farm Family of 2010. Strip-till corn and no-till beans in rotation cover the majority of the acres. They also installed terraces, buffer strips, filter strips, grass waterways and drainage tile to help protect soil and water quality. John participates on the Indian Creek Watershed Project Steering Committee, which provides guidance and feedback to the project implementation team.



### **Kyle Vogelzang**

Kyle Vogelzang, crop specialist with the Evergreen FS Forrest facility, will display an air flow dry fertilizer applicator for row crops. Kyle Vogelzang grew up on a corn and soybean farm of about 800 acres in Monticello, Illinois, and recently graduated from the University of Illinois with his master's degree in crop sciences.

### **Eli Meister (not pictured)**

Eli Meister is manager of Crop Production Services, Inc. in Fairbury, Illinois. He will display a John Deere 2510H nutrient applicator, a low-disturbance, high-clearance toolbar for applying nutrients in heavy fall residue or behind the planter in the spring. It can be used all the way up to the V8 stage.

# KILGUS FARMSTEAD • NUTRIENT MANAGEMENT

## INDIAN CREEK AND PRODUCER NUTRIENT FIELD TRIALS

Hear about completed and current nutrient management demonstrations and Nutrient Use Efficiency (NUE) plots in the Indian Creek Watershed Project.



*"Using information we gather, we use nutrient management more efficiently so nutrients end up with the crop, which is better for the environment and the farmers."*

### Tim Smith

Tim Smith is the managing agronomist for CropSmith and a Certified Crop Adviser. Previously, he was a visiting research specialist in soil fertility at the University of Illinois and worked on research related to improving nitrogen use efficiency in crop production. He worked on development of the Illinois Soil Nitrogen Test (ISNT) to improve nitrogen recommendations for corn, especially as related to site-specific application. Tim also has experience as a marketing information manager for a farmer-owned cooperative with over

\$8 million in sales. He has developed precision application programs that benefited farmers by reducing fertilizer usage and increasing yields.



*"More and more, we think about nitrate levels in the water. What's happening in the Chesapeake Bay is a real eye-opener. Nutrient management affects all of us – we all drink the same water."*

### Kevin and Danny Harms

Kevin and Danny Harms farm 3,250 acres of corn and soybeans on a farm started in 1946. They practice nutrient management and have installed waterways through the Natural Resources Conservation Service and Soil and Water Conservation District. Danny works part-time for Crop Production Services and holds an associate's

degree in agriculture business management from Parkland College.

The Harms will share results of two years of field trials on timing and source of nutrients. Based on information gained through these field trials, the Harms are changing their nutrient management practices. They recently purchased a sidedress bar to enable more split applications.

## NITROGEN SOIL TESTING AND RATE PLOTS

Through nitrogen testing, nitrogen movement across a wide range of soils and depths throughout the season can be observed. In the nitrogen rate nutrient plots, corn response and yields with varying amounts of nitrogen are compared to help hone in on the maximum economic return on purchased nitrogen.



*"As Illinois agricultural producers, we face the challenge of feeding an ever-increasing world population along with our ever-growing responsibility to keep our nutrients in our fields and for the crops."*

### Dan Schaefer

Dan Schaefer was born and raised on a small farm in Champaign County, Ill. He is a Certified Professional Agronomist and Certified Crop Adviser with a master's degree in crop science from the University of Illinois. Because of his close proximity to the University of Illinois, he participates in and has originated several farm-level research projects, such as strip-till and deep placement of phosphorus and potassium. In January 2012, Dan joined the Illinois Council on Best Management Practices as the director of nutrient stewardship. He works mostly in six Illinois Environmental

Protection Agency targeted watersheds, working with farmers and ag retailers toward a bottom-up approach to nutrient management.



*"Nutrient management is the backbone of today's agriculture industry. It is important regardless of regional location. Everyone benefits environmentally, agriculturally and economically from proper nutrient management."*

### Steve Stierwalt

Steve Stierwalt has a lifelong commitment to agriculture as both a producer and a farm leader. He grew up on a southern Champaign County farm, is a graduate of the University of Illinois and has farmed most of his life. Steve is currently the president of the Champaign County Soil and Water Conservation District and a past president of the Champaign County Farm Bureau. In 2004, Steve was named the News-Gazette Farm Leader of the Year and a Prairie Farmer Master Farmer in 2006. Steve practices soil and water conservation through no-till and strip-till farming practices and has installed filter strips along streams and ditches.

# KILGUS FARMSTEAD • NUTRIENT MANAGEMENT

## MANURE MANAGEMENT

*For livestock producers, a comprehensive nutrient management plan is an important planning tool. This session includes discussion of the nutrient management planning process and the demonstration of a drag line using no-till manure application, which disturbs the ground as little as possible and does not leave manure on top of the field.*



### **Laura Pepple**

Laura Pepple is a livestock Extension specialist in the Department of Agricultural and Biological Engineering at the University of Illinois Urbana-Champaign. She manages research and Extension programs in the area of agricultural waste management and nutrient management planning for

livestock and poultry operations. She received her bachelor's and master's degrees in agricultural engineering from Iowa State University and is currently pursuing a doctorate at the University of Illinois.



### **Dewey (Dewaine) Haag**

Dewey Haag serves as owner and president of Haag Farms, Inc., in Livingston County. The farm has been in the family since the 1920s and has grown as more family members have become involved. Dewey started with 12 sows, and today the farm has 1,200 sows farrow to finish and 1,800 acres of corn and soybeans. Dewey also runs a dragline custom manure application business, pumping millions of gallons of manure for surrounding farmers. The Haag family was recognized by the Illinois Pork Producers Association as the 2013 Illinois Pork Producer Family of the Year for their leadership shown at the county, state and national levels. Dewey and Marie were recognized as the Livingston County Conservation Farm Family in 2002.

*"Avoiding runoff and not disturbing soil any more than you have to is important for any region. Nutrient management is knowing what you're putting on and applying at a rate that is agronomically correct. It's environmentally friendly to apply only what you need."*

## CHAMPIONS 4 THE COMMUNITY

### **Lucky Duck Farm**

#### **Kiyoshi Mino and Emma Lincoln**

*A profile of successful Livingston County residents and businesses that support conservation*

Lucky Duck Farm began when Kiyoshi Mino and Emma Lincoln were looking for a new venture. Emma tells their story:



"Kiyoshi and I are not from farming families and did not originally plan to become farmers. I was a librarian and he was pursuing a career in international development after serving three tours in Afghanistan with the U.S. Army. We realized that our careers were pulling us in different directions and not providing the quality of life that we wanted. We decided to become farmers so that we could have meaningful work that we could do together. We spent a year attending a school in Massachusetts that teaches sustainable farming practices. A nonprofit organization called The Land Connection put us in touch with the family that owns the land. After meeting the family, seeing the land, and learning about the growing community of sustainable farmers in Livingston County, we decided that this would be a good place for us.

"We currently have a long-term lease for 10 acres plus a homestead, on which we raise grass-fed sheep and cattle, pastured and organically-fed pigs, free-range, pastured and organically-fed chickens and ducks and a small amount of organically-grown Asian vegetables."

Learn more about Lucky Duck Farm at [facebook.com/LuckyDuckFarm](https://facebook.com/LuckyDuckFarm).

# TRAINOR FARMS • DRAINAGE WATER MANAGEMENT

Legal Description: Section 10, T.27N. R.7E.

State and County: IL, LIVINGSTON



Courtesy of USDA-NRCS

## Legend

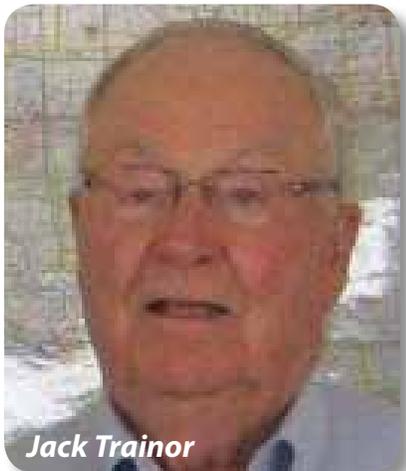
- Drainage Water Management
- Q Nitrogen Use Efficiency Plot
- Tile Monitoring
- CRP



# TRAINOR FARMS

## Trainor Farms

- *More than 3,000 acres*
- *Grain elevator purchased in 1957*
- *Raise corn, soybeans and wheat*



Jack Trainor

## Conservation Practices on the Farm:

- **Cropland converted to wildlife habitat**
- **60 acres of timberland in a reforestation program**
- **Two ponds**
- **Wildlife habitat acres**
- **Grass waterways**
- **Taking highly erodible land out of production**
- **Field windbreaks**
- **Wildlife habitat acres**
- **Shallow water wetland restoration**
- **Riparian buffers**
- **No-till**



One of the first in Livingston County to utilize no-till farming, the Jack Trainor Family was named the Livingston County Conservation Farm Family in 2004. Jack

and his wife, Dorothy, reside in Wing, Ill., where the general offices of Trainor Grain & Supply are located.

During the 1950s, Jack farmed with his father and brother in the Blackstone area. In 1957, the Trainors purchased the grain elevator in Wing from the Quaker Oats Company. That year, Jack and Dorothy moved to Wing, and Trainor Grain &

# TRAINOR FARMS

Supply Co. opened for business. The operation has since expanded to include feed and fertilizer sales.

To provide opportunity for his children in the business, Jack expanded his farming operation. Growing from the original 570 acres, the Trainor family now farms more than 3,000 acres in Livingston and Ford Counties. Jack's two sons, Mike and Bob, along with his sons-in-law Eric Rieger and Cal Zimmerman, are involved in the farming operation. They also own 475 acres in Union County and 196 acres in Johnson County, consisting mostly of timberland. The cropland on these farms has been converted to wildlife habitat through various

programs. Working with the district forester, 60 acres are in a reforestation program. Two ponds were built through the Environmental Quality Incentives Program and other acres are in Wildlife Habitat through the Conservation Reserve Program.

The Trainor family has become increasingly aware of the need for land conservation and providing wildlife habitat on their Livingston County farm. On these acres, they have 267 acres enrolled in various Conservation Reserve Programs. No-till is used on the majority of the land in a corn-soybean rotation. Some of the more erodible soils are in a winter wheat-soybean rotation to provide winter cover crop.



*The Trainor farm is located near the Vermilion River. The family has installed a tile monitoring system and has 267 acres enrolled in various Conservation Reserve Programs.*



# TRAINOR FARMS • DRAINAGE WATER MANAGEMENT

**P**roducers throughout the Midwest use drainage systems to successfully farm the fertile soils of the Corn Belt. Proper drainage dries the root zone so the historically wet soils can support a productive cropping system. While necessary for successful crop production on these soils, drainage also creates challenges for agriculture. When water moves through a field, so do some of the nutrients, such as nitrogen, that were applied to feed the crop.

The nutrients are then no longer available for plant nutrition, and they can become pollutants in nearby waterways. With drainage water management systems, producers control when and how much water is held in the water table below the field. Water held back during the growing season can increase or protect crop yields while helping improve water quality.

Because their farm is directly adjacent to the Vermilion River, the Trainors recently installed a drainage control structure to expand their drainage management system.

## WELCOME FROM AGRI DRAIN



### **Charlie Schafer**

Charlie Schafer began his career in the agricultural drainage industry in 1976, when he and two brothers founded Agri Drain Corporation and began installing drainage tubing for Iowa farmers. Soon after, they started manufacturing products for their own projects and to sell to other contractors. Agri Drain now focuses full-time on product development, manufacturing and distribution. Charlie continues as president and owner of Agri Drain Corporation. He has held various offices as a contractor and associate member of the Land Improvement Contractors of America (LICA) over the past 35 years. He is president of the Ag Drainage Management Coalition (ADMC) and serves on CTIC's board and the executive board of the National Association of Conservation Districts (NACD).

*"Nutrient management is important environmentally because of the impact poor management can have on the environment. Agriculturally, it is important because when managed correctly, nutrient management can have a significant impact on yield potential."*

Charlie also will present information at the drainage water management session of this tour stop.

## TILING DEMONSTRATION

*In this demonstration, the equipment and technology being used to install drainage tile will be showcased.*

**Tour stop sponsored by**

**Agri Drain**  
CORPORATION

# TRAINOR FARMS • DRAINAGE WATER MANAGEMENT

## TILE OUTLET AND WATER QUALITY MONITORING

CTIC's tile outlet monitoring project at the Trainor Farm measures the nutrients that leave fields under various cropland treatments. This session will feature the results of the tile water nitrate analysis and an overview of Illinois EPA's water quality monitoring effort for the Indian Creek Watershed Project.



**Chad Watts**

As CTIC's project director, Chad directs all of CTIC's on-the-ground projects and works with several partners to implement watershed projects in the Mississippi River and the Great Lakes basins. Chad earned his bachelor's degree in natural resources and environmental sciences from Purdue

University and started his career with the Indiana Department of Natural Resources. He then worked for The Nature Conservancy where he started and led the Tippecanoe River watershed project in northern Indiana.



**Trevor Sample**

Trevor Sample is an environmental protection specialist with the Illinois Environmental Protection Agency. He has been in the agency for 12 years. He also is a Certified Crop Adviser and holds a bachelor's degree in agronomy from Illinois State University.

*"Nutrient management is important because it enables farmers to maximize their nutrient input efficiency while protecting water quality."*



**Kevin Cole**

Kevin Cole is a watershed specialist with the USDA Agricultural Research Service (ARS) National Laboratory for Agriculture and the Environment. While working with ARS, he has implemented extensive hydrology monitoring networks on various spatial scales from 1-acre plots to 300-square-mile watersheds. He was born and raised on a family farm in Southern Minnesota and earned his bachelor's degree in environmental biology from St. Mary's College in Winona, Minn., and his master's degrees in toxicology and fisheries biology from Iowa State University.

*"We consider our community an important stakeholder and have implemented outreach activities to increase communication to better understand the community's goals. Farmers help by allowing us to place monitoring equipment and run experiments on their property."*



**Mike Trainor**

Mike Trainor is a Certified Crop Adviser and a registered USDA technical service provider. He participates in a program overseen by Farm Journal magazine and field agronomist Ken Ferrie, which involves a no-till versus conventional tillage test plot and an insecticide test plot. For three years, he has hosted the nutrient management plot and tour for the Livingston County Soil and Water Conservation District. He also has served as the Livingston County Pheasants Forever/Habitat Chair for the past 10 years and has been involved in several conservation and farm organizations.

# TRAINOR FARMS • DRAINAGE WATER MANAGEMENT

## DRAINAGE WATER MANAGEMENT AND SATURATED BUFFERS

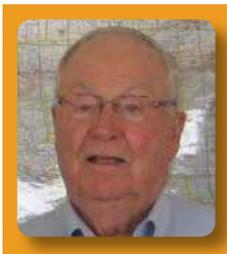
*In drainage water management, growers use a control structure to maintain a certain water level in their fields during the growing season when full drainage to the original tile depth is not necessary. The installation process and the benefits of drainage water management for the producer and the environment will be presented.*



### **Phil Algreen**

Phil Algreen is a customer service/technical support specialist at Agri Drain Corporation in Adair, Iowa. His duties include supporting new and existing products over the phone or in person and assisting in the sales department. He attends many workshops and conferences, speaking about drainage

water management and doing presentations. Phil holds an associate's degree in agricultural business and electronics.



### **Jack Trainor**

Jack Trainor and his family farm more than 3,000 acres in Livingston and Ford counties. They have 266 acres enrolled in the Conservation Reserve Program, including grass waterways, taking highly erodible land out of production, field windbreaks, wildlife habitat acres, shallow water wetland restoration and

riparian buffers. The Trainor family also has participated in the Soil and Water Conservation District's nitrogen utilization plots.

### **Dennis Davis (not pictured)**

Dennis Davis, a local contractor, will display and demonstrate his drainage tile equipment. He will also discuss water management, farm drainage and its benefits to soil and production.

## CHAMPIONS 4 THE COMMUNITY

### **Prairie Central High School Agriculture Kyle Miller**

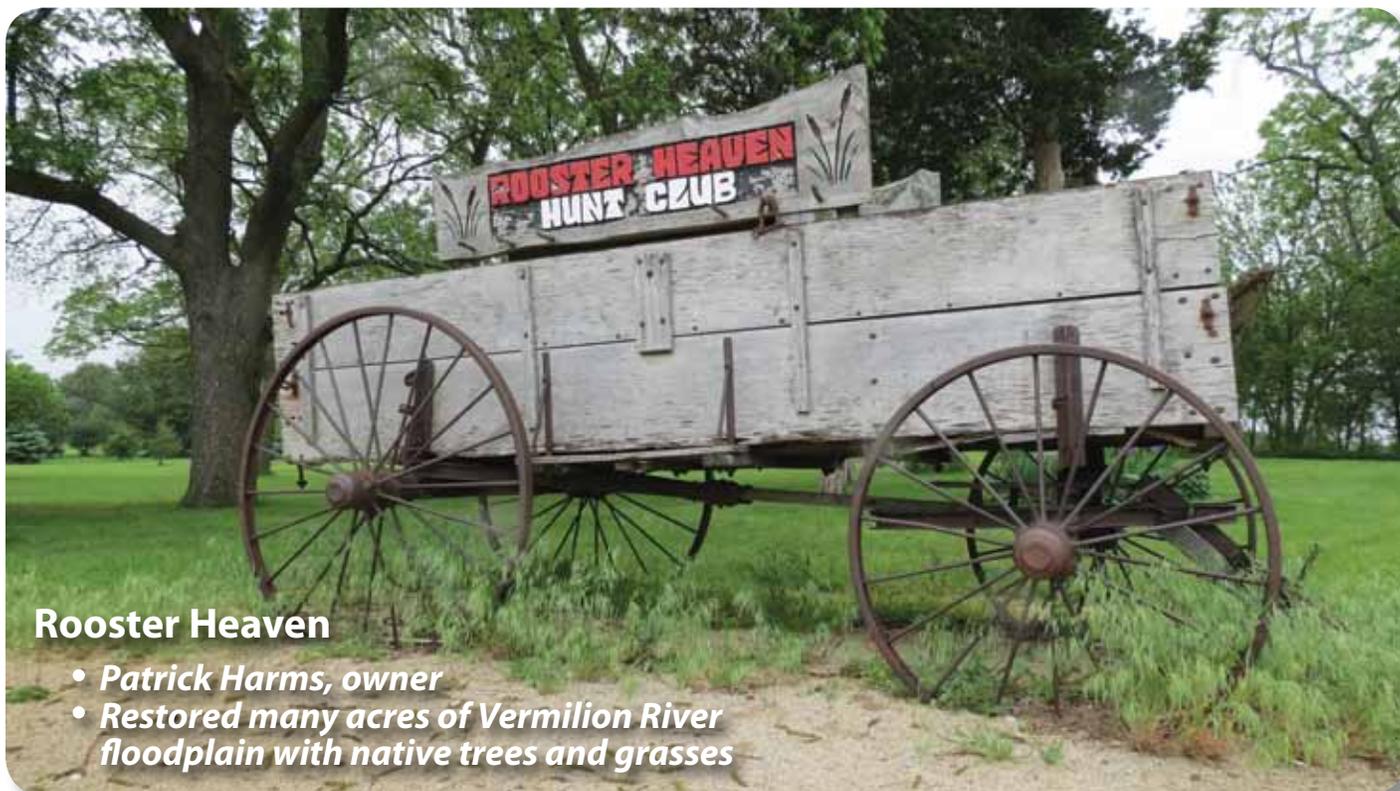
*A profile of successful Livingston County residents and businesses that support conservation*

Kyle Miller, agriculture instructor and FFA advisor at Prairie Central High School, explains how his students provide locally grown food for their community.

"We are currently a member of Stewards of the Land, a cooperative of local producers who market to Chicago. We built a hoop greenhouse last year with a grant from Stewards of the Land. The students plant, cultivate and market the produce through Stewards of the Land and sell produce at Dave's Supermarket. It has been a tremendous opportunity for the students to see their work from beginning to end and to have a better understanding of organic agriculture. We see the hoop house project continuing to grow, and the community awareness is beginning to increase.

"We work hard learning about the importance of agriculture. Many of our students have started their own small agriculture businesses and are marketing their products to restaurants."

# DINNER SPEAKER



## Rooster Heaven

- *Patrick Harms, owner*
- *Restored many acres of Vermilion River floodplain with native trees and grasses*

**R**ooster Heaven is a hunting club near Wing, Ill., close to the Vermilion River. Over the years, Patrick Harms, the owner of Rooster Heaven Hunt Club, and the Harms Family Partnership have restored many acres of Vermilion River floodplain through government programs using native trees and grasses to attract and accommodate wildlife and to provide hunting opportunities. For their work in conservation, the Harms family was recognized as Livingston County's Conservation Farm Family of the Year in 2005. Patrick also raises many of the birds that are hunted on the property to avoid overhunting the native populations.

Rooster Heaven Hunt Club provides hunting opportunities with many different species of animals, including whitetail deer, pheasant, chukar, quail, dove, duck and turkey, and they also use the property as an off-season dog training facility. The club lodge houses overnight guests and has hosted corporate events and weddings.



## Jean Payne

Jean is the president of the Illinois Fertilizer and Chemical Association (IFCA), a position she has held since 2004. IFCA represents more than 1,100 members of the agricultural input supply and service industry. She is involved in the management of the IFCA, including oversight of regulatory and legislative issues that impact the industry. Jean also serves as the treasurer of the Illinois Council on Best Management Practices and administrator of the Nutrient Research and Education Council. Jean received a bachelor's degree in English from Illinois State University. She has served on the board of directors for the Agricultural Retailers Association, The Fertilizer Institute, the Mid America CropLife Association and the American Agronomic Stewardship Alliance. Jean and her husband, Rae, reside in Bloomington, Ill.

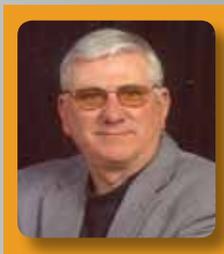
**Dinner sponsored by**



# ABOUT CTIC

## CTIC Mission

*CTIC champions, promotes and provides information on technologies and sustainable, productive and profitable agricultural systems that conserve and enhance soil, water, air and wildlife.*



*"There are so many people that you can connect with through CTIC in all aspects of agriculture industry, from the private sector to*

*the public sector. There's so much to be learned and so much to be shared by being part of CTIC."*

— Jim Lake  
Indiana State Department of Agriculture  
CTIC Individual Member

The Conservation Technology Information Center (CTIC), a not-for-profit 501(c)(3) membership organization, provides technical, educational and practical support to America's agricultural and conservation communities. Formed in 1982 by representatives of agribusiness, government and associations, we thrive today with guidance and support from partners and members from public, private and academic sectors.

America's producers face complex decisions about how to integrate and maintain conservation systems within their farming operations. Given the best information, producers will make good decisions for their land. We believe that they deserve trustworthy information from a dependable source.

## To address our mission, we:

### Lead Initiatives

CTIC and its partners lead initiatives to address conservation agriculture's pressing needs. Our initiatives build partnerships, provide information and promote economically viable and environmentally beneficial agricultural systems.

### Provide Information

We strive to serve as an information clearinghouse – reviewing and communicating information on new research, technologies and innovative conservation agriculture approaches. We promote the good news about conservation in agriculture through our website ([www.ctic.org](http://www.ctic.org)), newsletter and regular news releases. Through national information campaigns, we recognize conservation farmers for the sound management they employ on their farms to efficiently manage inputs and protect natural resources.

### Build Coalitions

We link private businesses, non-profit organizations, associations and local, state, regional and federal government agencies to address common conservation agriculture issues. With strength, wisdom and knowledge in numbers, CTIC's coalitions work to disseminate information on new technologies, techniques, products and tools to ensure conservation agriculture works on the ground.

## Connect with CTIC

### CTIC website

At [www.ctic.org](http://www.ctic.org), visitors access CTIC resources, update membership information, register for events, learn about CTIC projects, download free publications and subscribe to CTIC's *Partners* magazine, *Member Mail* and more.

### Member Mail

All CTIC members and partners receive *Member Mail*, an electronic newsletter containing news briefs pertinent to our membership.

### Social Media

News moves quickly in today's information age. Join the conservation conversation and see research articles, event announcements, photos, and more by following CTIC on Twitter (@ctic\_tweet) and liking our page on Facebook ([www.facebook.com/Conservation.Technology.Information.Center](http://www.facebook.com/Conservation.Technology.Information.Center)).

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The Mosaic Company

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DuPont Pioneer

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Illinois Soybean Association

Indiana Corn Marketing Council

International Plant Nutrition Institute

Iowa Farm Bureau Federation

LandPro LLC

Missouri Agribusiness Association

National Association of Conservation Districts

National Corn Growers Association

National Pork Board

No-Till Farmer

No-Till on the Plains

Ohio No-till Council

Oregon Ryegrass Growers Seed

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Ralph Schnorr

Dave Williams

# CTIC STAFF



## **Karen Scanlon**

**Executive Director**  
*scanlon@ctic.org*

Executive director since 2006, Karen manages the daily operations of this national not-for-profit organization. She directs staff and consultants; develops policies, procedures and budgets; oversees programs and operations; supports the board of directors; builds and maintains member relations and evaluates programs and services. She earned a master's degree in natural resources management from The Ohio State University and a bachelor's degree in journalism from the University of Florida.



## **Tammy Taylor**

**Operations Director**  
*taylor@ctic.org*

Tammy assists the executive director with financial and human resource functions and membership development. She oversees accounts receivable and payable and maintains the website. Tammy also leads event planning and oversees national conference projects.



## **Nicholle Vaughn**

**Assistant Operations Director**  
*vaughn@ctic.org*

Nicholle assists CTIC staff with daily operations, manages the membership database, helps with event preparation and maintains accounting processes among projects. She has a background in management and earned her associate's degrees in office administration and business administration.



## **Chad Watts**

**Project Director**  
*watts@ctic.org*

Chad directs all of CTIC's on-the-ground projects and works with several partners to implement watershed projects in the Mississippi River and the Great Lakes basins. He earned his bachelor's degree in natural resources and environmental sciences from Purdue University.



## **Elise Brown**

**Communications Director**  
*brown@ctic.org*

Elise directs media relations and outreach efforts, helps maintain the CTIC website, writes news releases, takes pictures and maintains CTIC's presence on social networking sites. She holds a bachelor's degree in agricultural communication from Purdue University and will graduate from Penn State University in August with her master's degree in agricultural and Extension education.

# CTIC PROJECTS

## Indian Creek Watershed Project

### Description

CTIC facilitates the Indian Creek Watershed Project, led by local farmers who demonstrate and test best conservation practices on their land.

Project partners include the Livingston County Soil and Water Conservation District, Illinois Environmental Protection Agency and the USDA's Natural Resources Conservation Service.

This project demonstrates the effectiveness of conservation practices and how they affect water quality. Through this effort, CTIC emphasizes practice profitability and how producers can protect their bottom lines and conserve water quality as well.

### Activities

- Real farmers implementing conservation systems while still making a living from their operations.
- On-farm research that demonstrates and measures success of new techniques and technology in a local setting, where area farmers can see how their neighbors make it work.
- A support network for area farmers, agribusinesses and technical service providers to learn about conservation technology together.
- Public and private financial and technical assistance resources to aid the farmer in implementation.
- Water quality data gathering to measure water quality changes. An outreach strategy to inform the public about the good things farmers do.

## For More Information

Visit [www.ctic.org/IndianCreek](http://www.ctic.org/IndianCreek) or contact **Chad Watts**, CTIC project director, at [watts@ctic.org](mailto:watts@ctic.org) or 574-494-9555.



### Thank You

Sponsors provide cash and in-kind donations to ensure the project's success.

### Tier One

Agrium Advanced Technologies  
Koch Agronomic Services  
GROWMARK  
Monsanto  
The Mosaic Company  
New Leader  
The Fertilizer Institute  
Syngenta  
Illinois Soybean Association

### Tier Two

Case IH  
John Deere  
Illinois Corn Marketing Board

### Tier Three

CropSmith

ADM, Brandt, Crop Production Services, Illinois Fertilizer and Chemical Association and International Plant Nutrition Institute have provided additional support.

Partial funding for this project provided by Illinois Environmental Protection Agency through Section 319 of the Clean Water Act.

# CTIC PROJECTS

## Thank You

Sponsors provide cash and in-kind donations to ensure the project's success.

Bio-Till

Case IH

Cover Crop Solutions

KB Seed Solutions

N-Vest Cover Crops

Oregon Ryegrass  
Growers Seed Commission

## Great Lakes Cover Crop Initiative

### Project Partners

Midwest Cover Crops Council, Ohio No-Till Council, The Ohio State University, Purdue University, Michigan State University, Indiana Conservation Cropping Systems Initiative, U.S. Environmental Protection Agency

### Description

Funded by EPA's Great Lakes Restoration Initiative (GLRI), this project demonstrates the effectiveness of cover crops within conservation tillage systems. CTIC and partners assist agricultural producers in the Lake Michigan, Lake Erie and Lake Huron basins to integrate cover crops into conservation tillage systems. CTIC provides producers technical, educational and social support so they may understand the benefits of this system, how to incorporate the practices into their operations, how to evaluate effects and how to adapt their management for optimal yield and resource protection. With our support, producers build their capabilities to effectively manage, adapt and commit to long-term implementation of cover crops and no-till.

### Activities

- CTIC hosted workshops in three states promoting the use of cover crops with continuous no-till. Our partner crop consultants assist producers one-on-one. With our support, cooperating producers planted more than 27,400 acres of cover crops since 2010.
- CTIC and partners have reduced nitrogen by more than 53,000 pounds, phosphorous by more than 17,000 pounds and sediment by nearly 1,000 tons in the Great Lakes through this project.
- CTIC sponsored 15 participating producers to attend the 2013 National No-Till Conference to learn from other producers successfully incorporating cover crops.
- Our website shares producers' experiences with cover crops and conservation tillage, and we'll publish articles to encourage more producers to adopt this system.

## For More Information

Contact Chad Watts, CTIC project director, at [watts@ctic.org](mailto:watts@ctic.org) or 574-242-0147.



# CTIC PROJECTS

## Monitoring Nitrate in Tile Outlet Flows from Indian Creek Farms

### Description

In 2011, the USDA Natural Resources Conservation Service in Illinois granted CTIC funding through a Conservation Innovation Grant to implement a tile water monitoring project that would measure nitrogen in tile water outflows from a variety of nitrogen cropland treatments. This project isolated drainage tile lines and defined the drainage area of each line so that cropland treatments could be applied within each drainage area and information from each treatment could be collected. The cropland treatments are designed to evaluate the 4Rs of nutrient stewardship: right place, right time, right source and right rate. Using the amount of nitrogen measured in the tiles, the efficiency of nitrogen use by the crop for each different cropland treatment can be assessed.

### Activities

CTIC works with producers to apply cropland treatments to the project's tile drainage areas. Automated sampling equipment on individual drainage tile lines collects samples when water flows through the tiles. These samples are intended to capture and quantify nitrogen amounts flowing through the tile lines after rain events from each treatment area. Random grab samples represent additional cropland treatment areas. All samples are collected by local sampling contractors and sent to the National Laboratory for Agriculture and the Environment, which is operated by the USDA Agricultural Research Service, for processing. CTIC and partners analyze results to develop the nitrogen use efficiency for each cropland treatment.

## For More Information

Contact Chad Watts, CTIC project director, at [watts@ctic.org](mailto:watts@ctic.org) or 574-242-0147.

### Partners

USDA Natural Resources  
Conservation Service

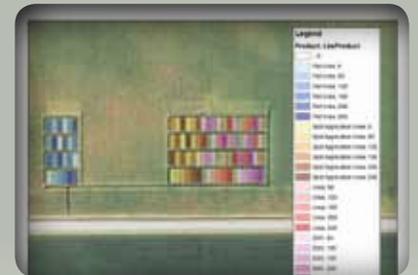
Illinois Corn Marketing Board

The Fertilizer Institute

International Plant Nutrition  
Institute

USDA Agricultural Research Service

Livingston County Soil and Water  
Conservation District



# CTIC PROJECTS

## Partners

Sustainable Agriculture Research  
and Education (SARE)

Midwest Cover Crops Council



## Cover Crop User Survey

### **Description**

In 2012, USDA's Sustainable Agriculture Research and Education (SARE) agency granted CTIC funding to evaluate cover crop use in the Midwest and learn more about cover crop users' attitudes surrounding, and practices used with cover crops.

### **Activities**

CTIC and SARE surveyed more than 750 cover crop users in 36 states using a 16-question survey distributed via email and in person at conferences and meetings in the Midwest during the winter of 2012-2013. The respondents represented more than 2,500 years of cover cropping experience.

A USDA committee evaluating cover crops and crop insurance policies referred to survey responses in its deliberations. The committee was staffed by experts from the Natural Resources Conservation Service, Farm Service Agency and the Risk Management Agency.

Survey results are still being compiled. Once finalized, the survey report will be housed on the CTIC and SARE websites.

## For More Information

Contact Chad Watts, CTIC project director, at [watts@ctic.org](mailto:watts@ctic.org) or 574-242-0147.

## Watershed Implementation and Innovation Network •WIIN•

### **Description**

CTIC and The Nature Conservancy's Great Rivers Partnership established the Great Rivers & Upstream Heroes Watershed Implementation and Innovation Network (WIIN) to strengthen watershed projects throughout the Mississippi River Basin.

The WIIN website is the hub of a new, online community – a network that provides a forum for information sharing, easy access to experts and resources from across the Basin, and capacity-building webinars. It's an online place for learning, brainstorming and inspiration.

The project's goals are:

- Establish regular communication among water projects in the upper and lower Mississippi River Basin.
- Use a communication network to build understanding of agriculture and conservation concerns.
- Share conservation information and ideas with producers, their advisors, conservation partners and policymakers.
- Increase the capacity of watershed project coordinators and advisors to sustain effective projects that address nutrient concerns.

### **Activities**

The Upstream Heroes/Great Rivers WIIN website offers a world of opportunities for information sharing, including:

- A searchable database of Mississippi River Basin watershed projects, resources and best management practices.
- Details on members' accomplishments, challenges, funding avenues and adoption trends.
- Exchange forums where members can initiate conversations, ask questions or even conduct online polls of their peers.
- Resource libraries of user-submitted reports, publications and presentations.
- Online webinars and dialogues.
- Links to research, technology studies, cost/benefit analyses and technical notes on key practices.

## For More Information

Visit [www.ctic.org/WIIN](http://www.ctic.org/WIIN) or contact Karen Scanlon at 765-494-9555 or [scanlon@ctic.org](mailto:scanlon@ctic.org).

### **Thank You**

Sponsors provide cash and in-kind donations to ensure the project's success.

The Nature Conservancy

The Mosaic Company

Monsanto

McKnight Foundation

# CTIC PROJECTS

## Sponsorships Available

WCCA sponsors support an international event that is focused on sustainable, profitable Conservation Agriculture systems and attracts more than 700 people.

Act now to secure your WCCA Sponsorship!

Visit  
[www.ctic.org/WCCA/Sponsorship](http://www.ctic.org/WCCA/Sponsorship)  
for more information on sponsor benefits.



## 6th World Congress on Conservation Agriculture •WCCA•

### Description

Agricultural production systems are not sustainable unless they are profitable, and Conservation Agriculture (CA) holds the key to building and maintaining healthy soils and profitable farming systems. The 6th World Congress on Conservation Agriculture (WCCA) in Winnipeg, Manitoba, will attract growers, researchers, policy makers and others interested in conservation agriculture, who are encouraged to attend for the opportunity to network with peers from around the world, discuss policy affecting adoption of conservation practices and review the application of the latest research in the field.

### Activities

The three-day conference will feature networking opportunities, evening events at a nearby farm, and tours of both Canada and the United States. The Congress will revolve around themes of:

- Conservation Agriculture and Sustainable Intensification
  - » As world population grows, the demand for food, fuel and fiber will grow. CA will allow producers to intensify their cropping systems to increase production sustainably without undue expansion in land area devoted to agriculture.
- Conservation Agriculture and Climate Change
  - » A well-designed CA system contains a diversity of crop types and healthy soils that give producers more options for adjusting to changes in rainfall patterns or growing-season temperatures while also contributing to climate change mitigation.
- Conservation Agriculture and Innovative Adoption
  - » The best teacher of interconnected farming practices is someone who has successfully mastered them. Innovative CA practitioners, researchers and service providers will share their experience and knowledge.

## For More Information

Visit [www.ctic.org/WCCA](http://www.ctic.org/WCCA) or contact Karen Scanlon at 765-494-9555 or [scanlon@ctic.org](mailto:scanlon@ctic.org).

# CTIC PROJECTS

## Aquatic Resource Monitoring Technical Training Workshops

### Partners

U.S. Environmental Protection Agency (EPA) Office of Wetlands, Oceans and Watersheds

### Description

In 2010, the U.S. Environmental Protection Agency (EPA) granted funds to CTIC to plan and facilitate aquatic resource monitoring training workshops for states, tribes and other stakeholders. CTIC provides leadership and technical support to organize and produce seven aquatic resource-specific workshops and two national conferences covering all aquatics resource types (wetlands, lakes, coastal, rivers and streams). The objective: to improve collaboration and technology transfer among states, tribes, federal agencies and other for more effective monitoring of the nation's waters. The information and technology shared at these workshops will better equip EPA, states, tribes and others to accomplish top-priority tasks such as:

- maintain long-term cooperative surveys of all water body types.
- implement water-monitoring strategies on established schedules.
- improve water quality databases.

### Activities

CTIC formed an advisory committee consisting of National Aquatic Resource Survey (NARS) experts and individuals from university, research, nonprofit organizations and EPA headquarters and regional offices. The NARS advisory committee assisted in agenda development for the first national conference held April 30-May 4, 2012 in Portland, Ore.

CTIC awarded more than 60 travel scholarships to state agency and tribe representatives. Scholarship recipients participated in facilitated group discussions on three areas:

- Using national, regional and state survey data in policy-making forums.
- Enhancing and building state and tribal monitoring programs.
- Integrating new and advanced monitoring techniques into surveys (e.g. satellite imagery).

The national committee members conducted data analysis sessions on making data useful for state, tribal and national assessments and physical habitat in streams, rivers and lakes.

## For More Information

Contact Tammy Taylor, CTIC operations director, at 765-494-1814 or [taylor@ctic.org](mailto:taylor@ctic.org).



# CTIC PARTNER PROJECTS

## Thank You

Project Partners

Indiana Association of Soil and  
Water Conservation Districts and  
the 92 local SWCDs

USDA Natural Resources  
Conservation Service

Purdue University Cooperative  
Extension Service

Indiana State Department of  
Agriculture

State Soil Conservation Board

Indiana Soybean Alliance

Indiana Corn Marketing Council

Vincennes University Jasper  
Campus

National Fish and Wildlife  
Foundation

Wabash County SWCD

Dubois County SWCD

## Conservation Cropping Systems Initiative

### Description

CTIC is proud to be a partner on the Conservation Cropping Systems Initiative (CCSI), which began in 2009 to promote the use of conservation tillage and cover crops for improved soil health in Indiana. The CCSI promotes a continuous, systematic approach to production agriculture, resulting in improved profitability, soil quality and water quality on Indiana cropland by focusing on continuous no-till/strip-till, cover crops, precision farming and nutrient and pest management. To date, over 250 field days, workshops and other events have been held, reaching over 15,000 people.

### Activities

CCSI is organized by four regional hubs. The locations of the hubs represent different soil types, climates and topography. In each hub, sites on volunteer farmers' land will serve as scientific test and survey spots. One activity will involve taking measurements on farmers' current, good cropping system and comparing them with measurements taken after putting in place a newer system. Measurements may also be taken from conventional systems. CTIC will promote the CCSI efforts to regional and national media, produce and promote economic case studies from producer's farms and prepare a final publication with data and results from each regional hub.

## For More Information

Visit [ccsin.iaswcd.org](http://ccsin.iaswcd.org) or contact **Elise Brown**, CTIC communications director, at 765-494-6956 or [brown@ctic.org](mailto:brown@ctic.org).



# BE A MEMBER. MAKE A DIFFERENCE

## Our Mission

CTIC champions, promotes and provides information on technologies and sustainable agricultural systems that conserve and enhance soil, water, air and wildlife resources and are productive and profitable.

## What We Do

- Collect, compile, interpret and disseminate information about agricultural conservation.
- Distribute national messages.
- Facilitate workshops, conferences and trainings.
- Lead local, regional and national projects to advance conservation in agriculture.

## Options

CTIC Members have options. Join our national public/private partnership at the basic membership level that fits you best – **Individual, Institutional or Corporate**. For additional benefits and recognition, increase your contribution to support the important work of CTIC. Each membership category includes additional giving levels of Gold, Silver and Bronze.

## Benefits

### All CTIC members benefit from:

- Access to research and information on conservation agriculture.
- National recognition for support of conservation agriculture.
- Networking opportunities with agricultural and conservation advocates.
- Customized projects and materials promoting conservation agriculture.
- Interaction with technical experts and policymakers at state and national levels.

## JOIN

### Conservation Technology Information Center



*"We've been involved with CTIC for all 31 years! Our participation has resulted in many meaningful experiences with growers, government officials and suppliers."*

- Frank Lessiter  
Lessiter Publications  
CTIC Institutional Member

# CTIC MEMBERSHIP

## Individual Membership

### Gold \$500+

You get the Basic benefits below, plus:

- Recognition in two issues of *Partners* magazine
- Free conservation agriculture book or other product from CTIC's online store

### Silver \$250 - \$499

You get the Basic benefits below, plus:

- Recognition in two issues of *Partners* magazine

### Bronze \$100 - \$249

You get the Basic benefits below, plus:

- Recognition in one issue of *Partners* magazine

### Basic \$50

- Recognition on CTIC's website
- One-year subscription to *Partners* magazine and *Member Mail* e-newsletter

## Institutional Membership

### Gold \$1,000+

You get the Basic benefits below, plus:

- Recognition in two issues of *Partners* magazine
- 10% discount on CTIC products
- Special recognition at a CTIC Board of Directors meeting
- Ad space in one issue of *Partners* magazine

### Silver \$750 - \$999

You get the Basic benefits below, plus:

- Recognition in two issues of *Partners* magazine
- 10% discount on CTIC products

### Bronze \$500 - \$749

You get the Basic benefits below, plus:

- Recognition in two issues of *Partners* magazine
- Free conservation agriculture book or other CTIC product

### Basic \$250

- Recognition on CTIC's website
- One-year subscription to *Partners* magazine and *Member Mail* e-newsletter
- Access to Crop Residue Management Survey data from 1989 to 2004



*"The CTIC team is extremely effective in promoting agricultural conservation practices*

*that enhance soil quality and reduce environmental losses. The Fertilizer Institute is proud to partner on implementation of 4R-based practices (right nutrient source at the right rate, time and place) as a part of CTIC demonstration projects."*

— Bill Herz  
The Fertilizer Institute  
CTIC Silver  
Individual Member

# CTIC MEMBERSHIP

## Corporate Membership

### Gold Basic Corporate Membership plus \$8,500+

You get the Basic benefits below, plus:

- Recognition in three issues of *Partners* magazine
- 10% discount on CTIC products
- Special recognition at a CTIC Board of Directors meeting
- Two gift memberships at the Individual Silver level
- Ad space in two issues of *Partners* magazine
- Recognition at two CTIC events
- Two complimentary registrations to CTIC's Conservation In Action Tour

### Silver Basic Corporate Membership plus \$3,500 - \$8,499

You get the Basic benefits below, plus:

- Recognition in two issues of *Partners* magazine
- 10% discount on CTIC products
- Special recognition at a CTIC Board of Directors meeting
- Two gift memberships at the Individual Silver level
- Ad space in one issue of *Partners* magazine
- Recognition at one CTIC event

### Bronze Basic Corporate Membership plus \$1,000 - \$3,499

You get the Basic benefits below, plus:

- Recognition in two issues of *Partners* magazine
- 10% discount on CTIC products
- Special recognition at a CTIC Board of Directors meeting
- Two gift memberships at the Individual Silver level
- Ad space in one issue of *Partners* magazine

### Basic

**Gross income greater than \$500 million: \$6,500**

**Gross income \$100 million to \$500 million: \$2,000**

**Gross income less than \$100 million: \$500**

- Recognition on CTIC's website
- One-year subscription to *Partners* magazine and *Member Mail* e-newsletter
- Access to Crop Residue Management Survey data from 1989 to 2004

**CTIC**

3495 Kent Avenue, J100  
West Lafayette, IN 47906

Direct: 765-494-9555

Fax: 765-463-4106

[ctic@ctic.org](mailto:ctic@ctic.org)



*"From the beginning, the part I liked about CTIC was this public-private partnership that CTIC has been so effective at building.*

*It allows like-minded people to get together from very, very different functions, but became a cross-functional network that has really sustained itself over 30 years."*

- Ron Olson

The Mosaic Company

CTIC Gold Corporate Member

# MEMBERSHIP APPLICATION FORM

Name: \_\_\_\_\_

Affiliation: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

## Corporate Membership

- Gold Corporate Member Basic\* plus \$8,500+
- Silver Corporate Member Basic\* plus \$3,500 - \$8,499
- Bronze Corporate Member Basic\* plus \$1,000 - \$3,499
- Basic Corporate Member \$6,500 (gross income greater than \$500 million)
- Basic Corporate Member \$2,000 (gross income \$100 million to \$500 million)
- Basic Corporate Member \$500 (gross income less than \$100 million)
- Yes, I would like to donate \$\_\_\_\_\_ to the CTIC Student Scholarship Fund**

*\*The Gold, Silver and Bronze Corporate Membership rates include the Basic membership of \$500, \$2,000 or \$6,500 plus the additional amount for the desired medal membership level.*

## Institutional Membership

- Gold Institutional Member \$1,000+
- Silver Institutional Member \$750 - \$999
- Bronze Institutional Member \$500 - \$749
- Basic Institutional Member \$250
- Yes, I would like to donate \$\_\_\_\_\_ to the CTIC Student Scholarship Fund**

## Individual Membership

- Gold Individual Member \$500+
- Silver Individual Member \$250 - \$499
- Bronze Individual Member \$100 - \$249
- Basic Individual Member \$50
- Yes, I would like to donate \$\_\_\_\_\_ to the CTIC Student Scholarship Fund**



## Method of Payment

Check enclosed, payable to CTIC     Visa     MC     American Express

Card # \_\_\_\_\_ Exp. Date \_\_\_\_\_

Signature \_\_\_\_\_

# A THANK YOU TO OUR SPONSORS

## Thank You!

CTIC thanks all sponsors of the Conservation in Action Tour. We appreciate your support and value your contributions to make this event a valuable and enjoyable experience.

Tour Leader	The Mosaic Company
Evening Social	John Deere
Past Tour Host Travel	Syngenta
Evening Dinner	Case IH
Soil Health Tour Stop	National Corn Growers Association
Nutrient Management Tour Stop	GROWMARK
Drainage Water Management Tour Stop	Agri Drain Corporation
Lunch	Monsanto
Tour Bus	Bayer CropScience DuPont Pioneer
Participant Packets	Agrium
CCA Mailing	Ag Retailers Association Agrium
ZimmComm Digital Coverage	Koch Agronomic Services
Breakfast Boxes	The Nature Conservancy
T-shirts	CropLife America
Lunch Co-sponsors	Jenner Sales Corp. Illinois Pork Producers Association
Cover Crop Seed Donation	ProHarvest Seeds
Tile Demonstration	Davis Excavating
Aerial Seeding Demonstration	Pontiac Flying Service
General Support	The Andersons



Bayer CropScience



JOHN DEERE

