

US EPA ARCHIVE DOCUMENT

# Partnerships for Nutrient Management & Conservation



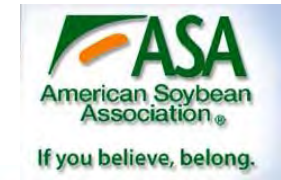
Conservation  
Technology  
Information  
Center

# CTIC 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.

# A Public/Private Partnership



# Industry-Producer Partnerships to Reduce Hypoxia

Southern Minnesota



**Mosaic**  
**Agrium**



# Industry-Producer Partnerships to Reduce Hypoxia

## Missouri Bootheel



**Generations**  
CORN STALK NITRATE TESTING

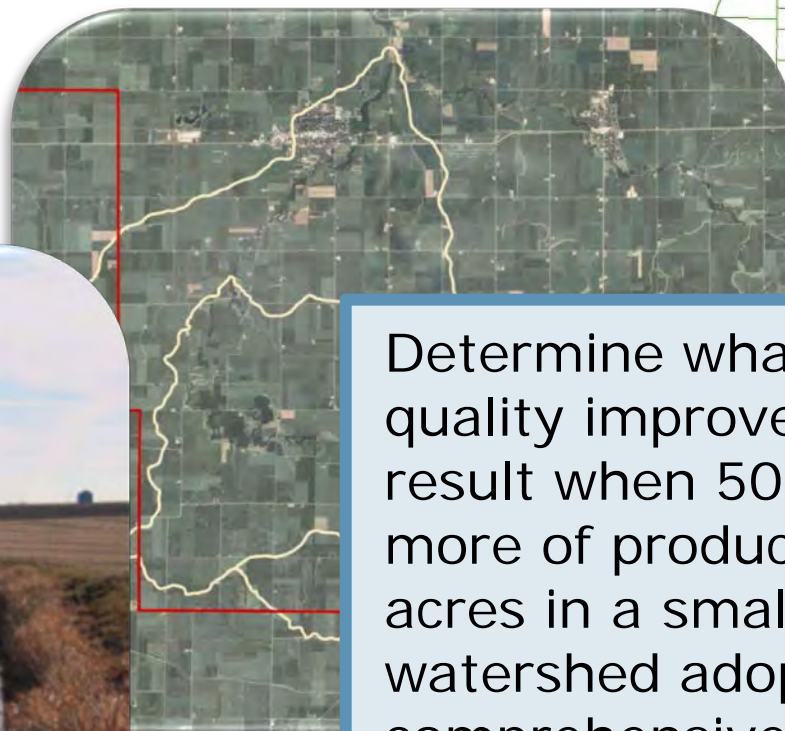
**BUNGE**

# Industry-Producer Partnerships to Reduce Hypoxia

## Upper Wabash River



# Indian Creek Watershed Project



Determine what water quality improvements result when 50% or more of producers and acres in a small watershed adopt comprehensive conservation systems over a 6-year period



# Project Partners



Illinois Corn Marketing Board



# Indian Creek Steering Committee



# Project Activities

# Indian Creek

FIELD TOUR JULY 7, 2011



Choose one of two duplicate tours:

9:30-11:30 AM Central  
OR 3:00-5:00 PM Central

All tours leave First Baptist Church  
701 N 7th Street, Fairbury, IL, 815-692-2654  
Enjoy lunch with AM tour or supper with PM tour (must register).

**4R nutrient management:**  
Apply **Right Source, Right Rate, Rate Place, Right Time**  
Implement the 4Rs to reduce the amount of N fertilizer escaping your fields.

*Register:*

**815-844-6127, extension 3**

No cost if you register by June 30. After June 30 pay \$20/person. Specify AM or PM tour.

Tour Stops

**N FERTILIZER SPLIT APPLICATION**

Harms Farm, Agrium, John Deere

**STRIP-TILL N APPLICATION**

Traub Farm, Case IH

**SLOW RELEASE FERTILIZER**

Stephan Farm, Agrotain, John Deere

**NUTRIENT USE EFFICIENCY**

Studies

1:45-2:45 PM

Visit Kilgus Dairy, elite conservation dairy; Spence Farm, growing food for Chicago chefs; & Argonne National Laboratory's experimental bio-energy site.  
*Limited to twenty first-come, first-served.*

Indian Creek Watershed Project:

- measures the impact of conservation practices on water quality
- measures the effectiveness of nutrient management practices.
- increases the adoption of conservation agricultural systems

Supported by Conservation Technology Information Center, Livingston County SWCD, IL EPA with funds through Section 319 of the Clean Water Act and corporate sponsors.

**Tier 1 Sponsors**

Agrium  
Advanced Technologies

Agrotain

Monsanto

Mosaic

The Fertilizer Institute

**Tier 2 Sponsors**

Agri Drain

Case IH

IL Corn Marketing Board

International Plant Nutrition Institute

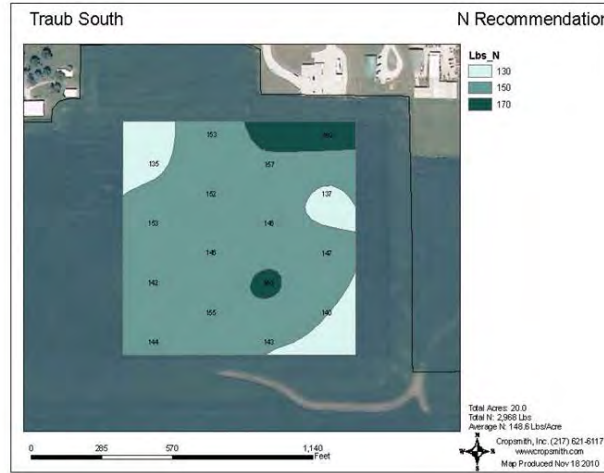
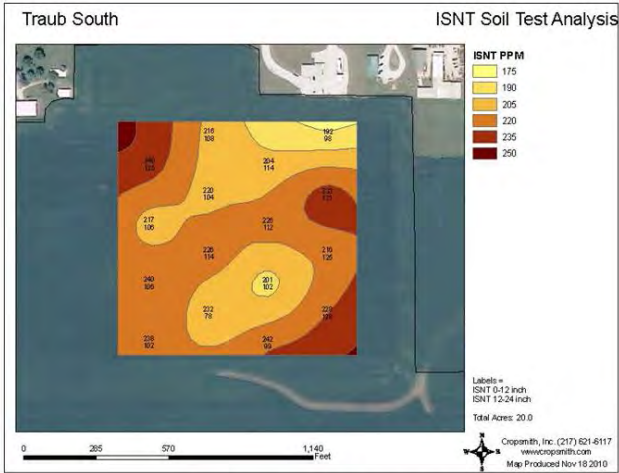
John Deere

**Tier 3 Sponsor**

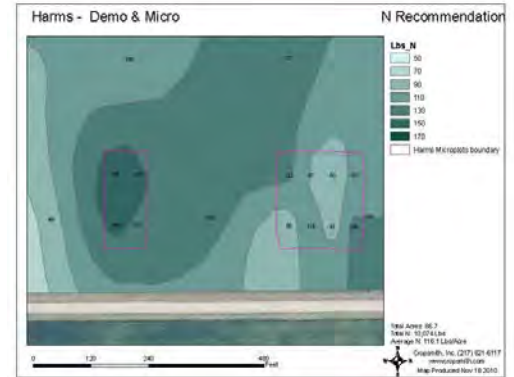
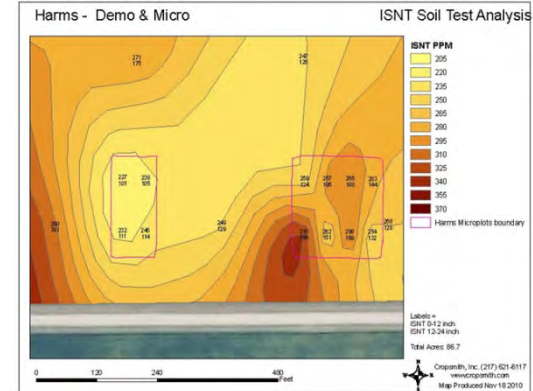
ADM

# BMP Demonstrations

# Nutrient Use Efficiency Studies



Traub Farm - West of Fairbury, North of 24. 4-6 treatment N Rate studies

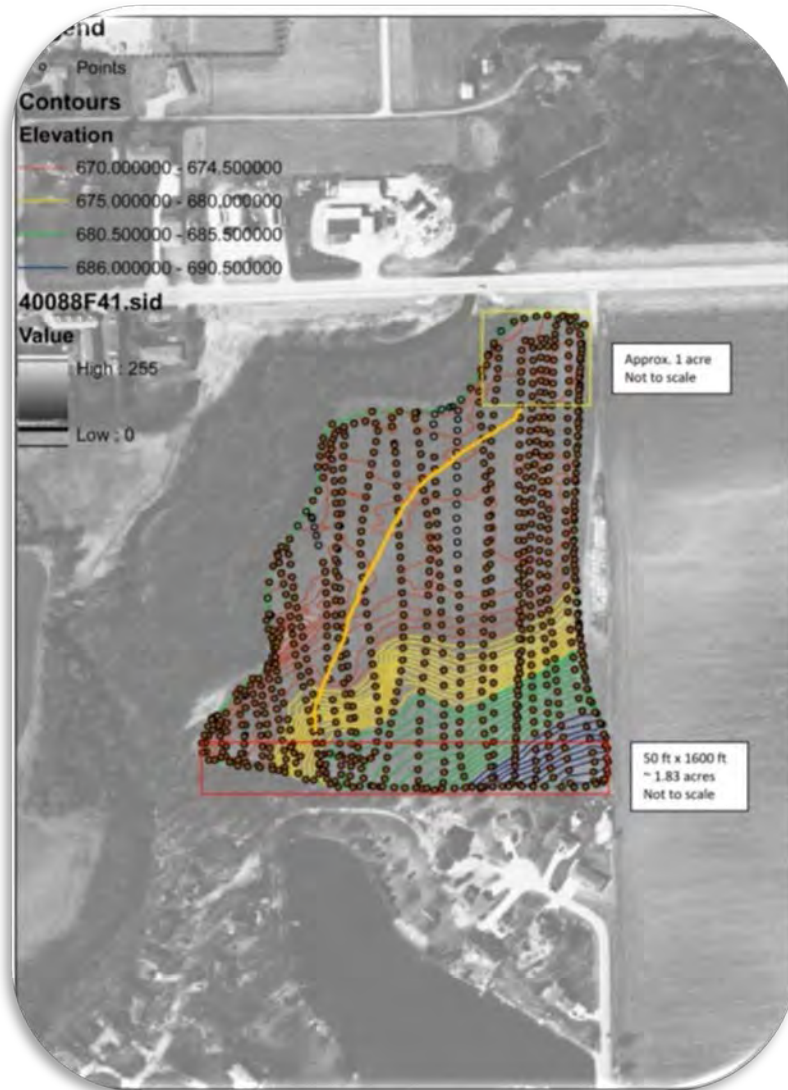


# Monitor Tile Outlet

- **PURPOSE:** Calculate nutrient use efficiency (NUE) on the same fields where tile outlets are monitored for nitrate concentrations
  - Document water quality changes as a result of management practices comparisons.
  - Demonstrate usability of tile outlet monitoring by producers, the cost effectiveness and the impact of associated outreach efforts



# Bioenergy Study



- Argonne National Laboratory
- US Department of Energy
- Mendel
- Ceres



- Education program to reduce nutrient losses
- Provide education programs to farmers, suppliers, youth and communities
- Dedicate resources to nutrient research and Best Management Practices validation
  - Critical to developing practices to reduce nutrient losses

# SB 2010 Supporters

- **Illinois Environmental Protection Agency**
- **Illinois Chapter of Sierra Club**
- **Environmental Law Policy Center**
- **Illinois Department of Agriculture**
- **Illinois Fertilizer & Chemical Association**
- **Illinois Farm Bureau**
- **Illinois Corn Growers Association**
- **Illinois Soybean Association**
- **Illinois Seed Trade Association**
- **Illinois Association of Drainage Districts**
- **Grain & Feed Association of Illinois**



# Great Lakes Cover Crops Initiative



# Conservation In Action Tour

## Aug 8-9, 2011 -- Ohio



**The Andersons**



**Mosaic**  
**syngenta**  
GLOBAL



**JOHN DEERE**



The Fertilizer Institute  
Nourish, Replenish, Grow

**AGROTAIN**  
Improved Nitrogen Efficiency

Crop  
Production  
Services

[www.ctic.org/ciatours/](http://www.ctic.org/ciatours/)





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