

# Registration

Registration BEFORE August 13, 2010:

Registration fee: \$25 per person, includes continental breakfast and lunch.

Number attending \_\_\_\_\_ x \$25 = \$ \_\_\_\_\_

Registration AFTER August 13, 2010:

Registration fee: \$30 per person, includes continental breakfast and lunch.

Number attending \_\_\_\_\_ x \$30 = \$ \_\_\_\_\_

Name(s): \_\_\_\_\_ Affiliation: \_\_\_\_\_

Street: \_\_\_\_\_ City/State/Zip: \_\_\_\_\_

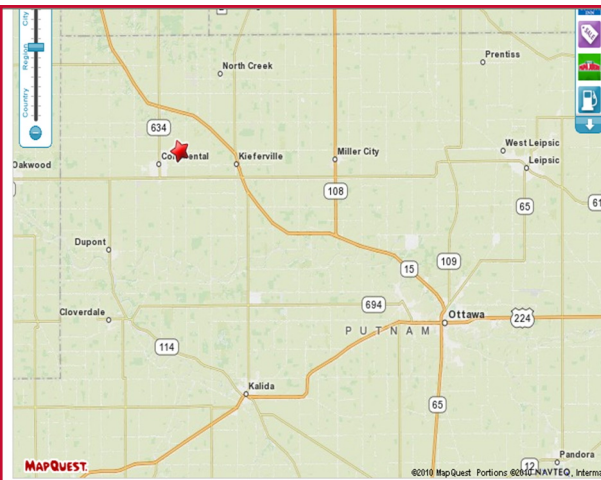
E-mail: \_\_\_\_\_

**Make checks payable to:**  
OARDC/OSU

**Complete registration form and mail to:**

Mary Wicks, OARDC/OSU  
Ag Engineering Building  
1680 Madison Avenue  
Wooster, OH 44691

Cut here



# Directions

**American Legion Hall**  
109 South 5th Street  
Continental, OH

# Manure Science Review 2010



August 19, 2010  
American Legion Hall  
109 South 5th Street  
Continental, Ohio



# Manure Science Review 2010 Program

## Thursday, August 19, 2010

The morning session and lunch will be held at the Continental American Legion Hall.

**MORNING SESSION** (10:00 am to 12:30 pm)  
Registration begins at 9:30 am.

**Lake Erie P Task Force**, *Kevin Elder, Ohio Department of Agriculture, Livestock Environmental Permitting Program*

Hear an overview of the task force's findings, including possible point and non-point sources of phosphorus (P), changes in nutrient practices and other factors that could be contributing to increased levels of Dissolved Reactive P and impacting water quality.

**Lake Erie EQIP**, *Mark Scarpitti, USDA-Natural Resources Conservation Service*

Find out about opportunities provided by the NRCS to help improve water quality in Lake Erie, including how participating farms can receive financial and technical assistance to develop and implement an advanced level conservation plan.

**Control Structures for Managing Nutrients**, *Larry Brown, Ohio State University, OARDC & Extension*

Learn how the design and installation of subsurface drainage control structures can be used to manage flow and minimize runoff when applying liquid manure.

**Nitrification Inhibitors**, *Robert Mullen, Ohio State University, OARDC & Extension*

Learn about the potential for nitrification inhibitors to slow conversion of ammonium to nitrate and their effectiveness in minimizing the risk of runoff of nitrogen nutrients.

**Manure Plot Study Results**, *Glen Arnold, Ohio State University Extension, and Albert Maag, Putnam Soil & Water Conservation District*

Find out if there's a difference in yield between using manure to top dress wheat and to side dress corn compared to side-by-side plots using commercial fertilizer.

**LUNCH** (12:30 to 1:15 pm)

**AFTERNOON SESSION** (1:30 to 4:00 pm)  
Field demonstrations at the Weller Farm (directions will be provided):

**Tile Control Structures**. *Glen Arnold & Albert Maag*. View working and uninstalled tile control structures and learn how they are used to protect water supplies while enhancing nutrient management.

**Cover Crop Plots**. *Glen Arnold & Albert Maag*. Tour cover crop demonstration plots to learn about different crops and planting methods as well as their use in reducing erosion and providing nitrogen.

**Smoking Field Tile**. *Frank Gibbs, USDA-Natural Resources Conservation Service*. Get a first-hand view of how subsurface pathways to drain tiles can lead to unexpected discharges of liquid manure.

**Shallow Tillage**. *Glen Arnold, Albert Maag & Mark Scarpitti*. See how shallow tillage techniques can minimize the risk of liquid manure entering tile drains via cracks and worm tubes.

**Manure Side-dress**. *Glen Arnold & Albert Maag*. Learn how application of manure to growing corn can extend the application window for improved manure management. Different types of equipment will be demonstrated.

## Who should attend?

The 2010 Manure Science Review is an educational program designed for those involved in any aspect of manure handling, management or utilization, including:

- Livestock producers,
- Crop producers,
- ODNR-SWCD personnel,
- USDA-NRCS personnel,
- Extension Educators,
- Certified Crop Consultants, and
- Professional Nutrient Applicators.

## Education Credits

### ODA Certified Livestock Managers (CLM)

The full-day MSR program qualifies for 5.0 continuing education hours (CEU's).

### Certified Crop Consultants (CCA)

The full-day MSR program qualifies for the following continuing education hours (CEU's):

- Soil and Water - 4.5 CEU's
- Nutrient Management - 0.5 CEU

## Registration Details

<b>Cost:</b>	Early registration	\$25
	(on or before August 13)	
	Late registration	\$30
	(after August 13 and walk-ins)	

**Includes:** Continental breakfast, lunch and all materials.

*Registration form on reverse page.*

**QUESTIONS?** Contact Mary Wicks at [wicks.14@osu.edu](mailto:wicks.14@osu.edu) or 330.202.3533