

Registration

Registration BEFORE August 1, 2012:

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

*MPNAA members subtract \$5 Number attending _____ x \$30 = \$ _____

Registration AFTER August 1, 2012:

Registration fee: \$35 per person*, includes continental breakfast and lunch.

*MPNAA members subtract \$5 Number attending _____ x \$35 = \$ _____

Name(s): _____ Affiliation: _____
 Street: _____ City/State/Zip: _____

E-mail or phone: _____ Complete registration form and mail to:

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

Make checks payable to:
 OARDC/OSU

Cut here

Directions

McClure Farms
 21460 RD 48
 Grover Hill, Ohio



IMPORTANT. Drive in from the west side. The roads immediately east will be closed.

QUESTIONS? Contact Mary Wicks at wicks.14@osu.edu or 330.202.3533



Manure Science Review 2012



MSR 2011



August 9, 2012

McClure Farms

21460 RD 48

Grover Hill, Ohio



Manure Science Review 2012 Program

Thursday, August 9, 2012 (9 am to 3 pm)
McClure Farms, Grover Hill, OH

Registration (8:15 am)
Coffee + donuts.

Morning Session (9:00 am)

Experiences with Application and Irrigation of Liquid Manures. *Moderator: Mark Fritz, ODA-DLEP.*

Farmers and nutrient applicators share experiences using liquid manure in ways that increase the application window.

Implementing Changes to Reduce Phosphorus Runoff, *Greg LaBarge, OSU Extension*

On-farm practices can reduce P runoff from liquid manure and poultry litter, including timing and mass balance considerations.

Growing the Application Window, *Glen Arnold, OSU Extension*

Research plots show the value of using swine or dairy manure to side dress corn to increase crop yield and manure storage capacity.

Good, Bad, and Ugly of Mortality Composting, *Andy Ety and Christine Pence, ODA-DLEP*

Composting is a cost-effective and environmentally sound method of dead animal disposal, but there can be challenges and it has to be done right.

LUNCH (11:30 am)

AFTERNOON SESSION (12:15 pm)
(continued next column)

Settling Tanks for Cost Effective Separation of Swine Manure, *Terry Mescher, ODNR-DSWC*
With just a vessel and gravity, it may be possible to separate manure solids and associated nutrients for more economic transport.

Field demonstrations at the McClure Farms:

Tile Drainage Control and Treatment. *Larry Brown, OSU, and Terry McClure*

Learn how control structures and bioreactors can manage flow and reduce nutrient runoff.

Dragline Demonstration. *Terry McClure*

Learn how draglines can be effective for transporting and injecting manure nutrients.

Mortality Composting: Part 2. *Terry McClure, Andy Ety, Christine Pence*

See how a well designed system is managed to protect water and minimize pests.

Cover Crops. *Glen Arnold and representative from Cisco Seeds*

Demonstration plots show how different crops and planting methods impact erosion and nutrient retention.

Applicator Demonstrations. *Glen Arnold*

Learn about the methods for getting the job done right, including tool bars for incorporating manure and side dressing corn.



MSR 2011: Smoking tiles demonstrate the risk of preferential flow of liquid manure.

Who should attend?

The 2012 Manure Science Review is an educational program designed for those involved in any aspect of manure handling, management or utilization, including:

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

Education Credits

The full-day MSR program qualifies for the continuing education credits below.

ODA Certified Livestock Manager (CLM)

4.5 Continuing education hours (CEU's)

Certified Crop Advisor (CCA)*

Continuing education hours (CEU's):

2.0 Nutrient Management

2.5 Soil & Water Management

* *Application in process, not approved yet.*

Professional Engineers (PE)

4.5 Continuing Professional Development hours (CPD's)

Registration Details

<u>Cost:</u>	Early registration* (on or before August 1)	\$30
	Late registration* (after August 1 and walk-ins)	\$35

* \$5 discount for members of Midwest Professional Nutrient Applicators Association (MPNAA)

Includes: Continental breakfast, lunch and all materials.

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