

2014 Advanced Nutrient Management Course

Dates: 9:30 AM Feb. 3, 2014 to 12:30 PM Feb. 4, 2014

Cost: \$200 (includes one lunch)

Location: Bradford Technology Transfer Center, 4969 Rangeline Rd., Columbia, MO 65201

Approved for 12.0 CEU's for MDNR CAFO Operators and 6.0 CEU's for MDNR Wastewater Operators. Approved for 6.0 Nutrient Management, 3.0 Soil and Water and 3.0 Crop Management CEU's for Certified Crop Advisors.

Monday February 3, 2014			
Time	Topic	Speaker	Duration
			min.
9:15 – 9:30 AM	Introductions		15
9:30 – 10:30	Regulatory and Agency Initiatives		
	1. MDNR Regulatory Update	TBA, MDNR	60
10:30 – 3:00 PM	Soil Fertility and Manure Management		
	2. Organic versus Mineral Nutrients: Phosphorus and Nitrogen	John Lory, MU	30
	3. Soil Test Phosphorus Recommendations: Emerging Story and Implications for Manure	John Lory, MU	60
Noon	Lunch		45
	4. Hog Manure Value in Grow-Finish Operations – Should it Impact Feed Decisions?	Ray Massey, MU	30
	5. What Can We Say About the Impact of Cover Crops on Fertilizer Recommendations?	Newell Kitchen, USDA-ARS	30
	6. What it Takes to Use Yield Monitors to Run a Simple Fertilizer Strip Trial	Kent Shannon, Brent Meyers and John Lory, MU	60
	Break		15
3:00 – 5:00	Improving Fescue Pastures		
	7. Challenges of Fescue and Improving Fescue Pastures.	Craig Roberts, MU	60
	8. A Farmer's Experience Documenting the Costs of Toxic Fescue and the Benefits of Improving Fescue Pastures	Darrel Franson, Farmer, SW Missouri	60
5:00-5:30	9. Update on Web Tools for Nutrient Management	John Lory, MU	30
5:30	Adjourn		

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Continued

Tuesday February 4, 2014			
Time	Topic	Speaker	Duration
			min.
7:30 – 8:30 AM	10. Practical Experience with Unmanned Aerial Vehicle (Drone) Technology	Kent Shannon, MU	60
8:30-9:00	11. Foaming in Swine Manure Deep Pits: Safety Concerns and Identifying Potential Causes	Daniel Anderson, Iowa State University	30
9:00 – 11:00	Moving Towards In-Season Nitrogen Management for Corn		
	12. The Science of In-season N on Corn: Why It's a Good Idea	Peter Scharf, MU	60
	13. Implementing In-season N Application Systems on Corn: Sensors, Spreaders and Logistics	Peter Scharf, MU	60
11:00-11:30	14. Manure Applicators: Differences in Nutrients, Conservation and Odor Control	Daniel Anderson, Iowa State University	30
11:30-12:30 PM	15. Working with the Manure Applicator Need-to-Know Curriculum	John Lory, MU	60
12:30	Adjourn		

Contact Hannah McClure (573-884-6311; McClureH@missouri.edu) to register for the course. Preregistration and prepayment (\$200) required. Course cost increases to \$230 for registration after 1/27/2014.

Contact John Lory (LoryJ@missouri.edu) for questions about the program.

Program sponsored by: University of Missouri Extension

