Advanced Nutrient Management Course “The Missouri CAFO Nutrient Management Standard”

**Location:** Bradford Technology Transfer Center, MU Bradford Research and Extension Center.

**Course Dates:** 9:50 AM February 2 to 3:00 PM February 3, 2010.

Course objective is to provide nutrient management planners an in-depth understanding of the Missouri CAFO Nutrient Management Technical Standard. The course will include presentations, discussion and example problems. Instructors include Dr. John Lory, MU, Darrick Steen, MDNR and Barbara Li, MDNR.

**Continuing Education Credits (CEUs):**
- Applied for 1.0 Soil and Water and 11.0 Nutrient Management CEUs for Certified Crop Advisors.
- Approved by MDNR for 12.0 CEUs for CAFO Operators and 12.0 CEUs for Wastewater (Course ID# 1002207).

**Cost:** $185, includes two lunches.

**Tuesday February 2, 2010**

9:50  Introductions
10:00  The Missouri CAFO Nutrient Management Technical Standard – an introduction
10:30  The regulatory role and requirements of the NM standard including public comment
11:00  Soil Sampling and the excess phosphate calculation
11:30  Determining yield goal and nutrient removal
12:00  Lunch (provided)
12:45  Exercise 1. Soil sampling in a regulatory world.
1:45   Manure sampling and nutrient availability calculation requirements
2:15   Explaining application timing and placement requirements
2:45   Break
3:00   Explaining application timing and placement requirements- continued
3:30   Explaining P loss assessment including the MO P Index
4:00   Exercise 2: Using the Missouri P index
5:30   Adjourn

**Wednesday February 3, 2010**

8:00   Using the “three criteria” to define manure application rates.
9:00   Exercise 3: Using the three criteria.
10:00  Break
10:15  Panel discussion: Practical issues integrating nutrient management into a regulatory system.
11:15  Recordkeeping requirements and forms.
12:15  Lunch (provided)
1:00   Exercise 4: Calculating nitrogen and phosphorus balances for record keeping.
2:00   Stalk nitrate test to evaluate nitrogen management in corn.
2:30   Adjourn

Pre-registration is required. To register contact Katrina Turner-Spencer (573-882-0378; TurnerKA@missouri.edu). For more information about this course contact John Lory (573-884-7815; LoryJ@missouri.edu) and visit our website: http://nmplanner.missouri.edu/training/.

This course is sponsored by the University of Missouri Commercial Agriculture Program, University of Missouri Extension.