

## SOIL FERTILITY AND NUTRIENT MANAGEMENT SHORT COURSE

John Sawyer, Professor, Department of Agronomy, Iowa State University

Principles of soils, soil fertility, and nutrient management are reviewed in this two-day course. In addition to classroom work, students will have the opportunity to tour the Iowa State University Soil and Plant Analysis Laboratory. Registration includes a reference binder and class notes.

Course location: Scheman Continuing Education Building, Iowa State Center, Ames, Iowa

### Topics

- Iowa soils and soil properties
- Soil sampling and testing
- Cation exchange
- Soil pH and liming
- Essential plant nutrients
- Secondary and micronutrients
- Nitrogen management and products
- Soil nitrogen dynamics, crop uptake, and diagnostic tools
- Phosphorus and potassium management
- Environmental phosphorus and the Iowa P-Index
- Site-specific management
- Manure management
- Tour of Agronomy Soil and Plant Analysis Laboratory

### Instructors

- Lee Burras - professor of agronomy
- Joel DeJong - Extension Field Agronomist, northwest Iowa
- Antonio Mallarino - professor of agronomy and extension soil and nutrient management specialist
- John Sawyer - professor of agronomy and extension soil and nutrient management specialist
- Renuka Mathur, adjunct assistant professor

### CCA credits

- 11.5 nutrient management
- 1.0 soil and water management

# Soil Fertility: Current Topic

January 28, 2012

Class enrollment will be limited to the first **40** paid registrations. Registrations must be received no later than midnight, Wednesday, February 8, 2012. Pre-registration is required. Registrations may be faxed, mailed, or completed online with a credit card.

Please use this web site for additional information and registration.

<http://www.aep.iastate.edu/soil/homepage.html>