



Tuesday, January 17, 2012

USCC Foundations of Composting

This intensive 1-day training will cover the basic concepts, practices and "how to's" of compost production. The course will provide a foundation for novice compost operators, managers and regulators and will refresh veteran composters on the underlying scientific principles. Subjects will include: Basic principles of composting, monitoring and managing the process, data collection and interpretation, odor control, review of major processing methods, and an overview of markets for compost.

Course Instructors:

Dr. Robert Rynk is an environmental and agricultural engineer, specializing in composting and waste management. He is the editor of the *On-Farm Composting Handbook*, a faculty member with the State University of New York at Cobleskill and formerly technical editor for *BioCycle* magazine.

Matthew Cotton, Integrated Waste Management Consulting, LLC, teaches SWANA's *Manager of Composting Programs Course* and has over 18 years experience in composting.

Time: 8:30 AM to 4:30 PM

Workshop Cost: \$195 USCC members | \$245 non-members (includes lunch)

Limited to a maximum of 60 attendees

Course Agenda

1. Basic Principles of Composting
 - a. Discussion of limiting factors
 - Particle Size | Moisture/Measuring moisture content | Carbon to Nitrogen Ratio/Measuring Carbon to nitrogen ratio | The role of temperature/Measuring temperature/Regulatory implications | Oxygen/Conditions required to maintain oxygen
2. Overview of Major Processing Methods
 - a. Pre-processing
 - b. Composting methods
 - Static piles | Windrows | Aerated Static piles | In-vessel systems,
 - c. Post-processing
 - d. Composting Equipment overview
3. Siting considerations
 - Site selection | Site sizing and needs
4. Overview of markets/uses for compost
 - General categories of uses | Emerging markets for compost | Quality control and testing
5. Questions and answers

This course is a good way to prepare for the SWANA/USCC "Manager of Composting Programs" Certification Exam. However, the course will not specifically review the exam or exam questions. Not all components of the exam will necessarily be covered in this course.