

# Foundry Sand in Soils Applications

## *Who should attend?*

- ◆ *Landscape architects*
- ◆ *Nursery operators*
- ◆ *Landscaping companies*
- ◆ *Extension service agents*
- ◆ *Foundry environmental managers*
- ◆ *Other interested stakeholders*

## FOUNDRY SAND RECYCLING FORUM

The Ohio State University  
Kottman Hall  
2021 Coffey Road  
Columbus, Ohio 43210

Register at:  
<http://www.foundryrecycling.org>

Sustainable soil manufacturing is receiving increased attention as part of the global movement toward sustainable materials management. Landscape architects, civil engineers and developers in many areas are faced with a challenge. Natural topsoil, which may take thousands of years to build up, has been stripped away due to urban development, mining and erosion. Once excavated and stock-piled, the remaining soil often no longer has the structural foundation necessary for good plant growth.

Frequently, sand is a necessary amendment to help rebuild vital soil structure. The economics of sand, however, can be a significant barrier due to availability and logistics. Foundry sands have excellent physical properties that are needed by many commercial soil blenders. Research by the U.S. Department of Agriculture and U.S. EPA have confirmed that properly managed ferrous and aluminum foundry sands can safely be used in soil blending operations.

This workshop will provide an introduction to foundry sands in soil manufacturing. Researchers will describe the soil-like properties of foundry sands and their environmental profiles, which are comparable to native soils. Soil blenders will present their experience in using these sands, including sample specifications and issues such as pH balancing. Best management practices for foundries will be covered. Attendees will have the opportunity to handle various soil blends, and question researchers and practitioners about their experiences. Optional tours to foundries and a soil blending facility will be available.

## WORKSHOP SPONSORS:

The Ohio State University  
U.S. Department of Agriculture  
U.S. Environmental Protection Agency  
American Foundry Society  
Foundry Industry Recycling Starts Today

## FOUNDRY SAND RECYCLING FORUM

# Foundry Sand in Soils Applications

WEDNESDAY, JULY 23, 2008

- 7:30—8:30 am      Coffee & Registration
- 8:30 am—Noon      Welcome and Introductions
- Where do Foundry Sands Fit in the Soils Markets?
- Foundry Sand Environmental Profile
- Soil Attributes and Performance of Foundry Sands
- Voice of Experience—The Ohio Foundry Sand Marketplace
- Building a Statewide Partnership: Pennsylvania's Plan
- Noon—4:30 pm      LUNCH (included)  
Keynote: "Blended Soils and Sustainability"  
Nora Goldstein, Editor, BioCycle (invited)
- Best Management Practices for Foundries
- Tools and Resources for Foundries & Soil Blenders
- Where do we go from here? - Facilitated discussion
- Hands-On Demonstrations
- SPEAKERS:      Dr. Robert Dungan, U.S. Department of Agriculture  
Dr. Elizabeth Dayton, Ohio State University  
Dr. Richard Stehouwer, Pennsylvania State University  
Dr. Randy Zondag, Ohio State University Extension  
John Kurtz & Greg Malone, Kurtz Bros., Inc

THURSDAY, JULY 24, 2008

- 8:30 am—4:00 pm      Optional tours to soil blending facility & foundry



FOUNDRY SAND  
RECYCLING FORUM



July 23, 2008  
8:30 am to 4:30 pm



The Ohio State University  
Kottman Hall  
2021 Coffey Road  
Columbus, Ohio 43210



Register at:  
<http://www.foundryrecycling.org>

