

CLEVELAND BOTANICAL GARDEN

Sustainability Symposium



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Cleveland Botanical Garden Presents: 11th Annual Sustainability Symposium *From the Ground Up* Saturday, January 30, 2016

Presentations

SUCCESSFUL SOILS!

**Jacqueline Kowalski, MA, Agriculture and Natural Resources Extension Educator
The Ohio State University Extension**



Healthy landscapes and crops start with healthy soil. What contributes to health soil? What can a homeowner do increase soil quality? This session will discuss research-based information of what is successful and what is not.

THE GREAT HEALTHY YARD PROJECT, OUR YARDS, OUR CHILDREN, OUR RESPONSIBILITY

Diane Lewis, MD, Founder of the non-profit organization The Great Healthy Yard Project, and author of the book by the same name.



The chemicals that we are putting in our yards are now in every stream, river and lake and half of our well water. Learn how this puts a cloud over our children's future, increasing their risk for diseases as diverse as diabetes, autism and cancer. Then learn surprisingly easy ways to fix the problem by working together to chart a happier, healthier course forward for our families with no extra time or money, by changing the way we steward our yards. Organically managed turf and lots of native plants combine for a healthy,

beautiful yard.

Presented by Good Nature Organic Lawn Care



TREES ARE THE ANSWER

Joanna Thomas, Proprietor

Gardenscapes by Joanna, LLC



Fast growing trees store the most carbon during their first decades, yet trees planted in urban areas average just 13 years of life. Healthy trees mitigate storm water runoff, reduce energy use and provide food and shelter to wildlife. Learn which trees to plant and which ones not to plant for carbon storing, which trees are considered high wildlife value trees, and the most important tool you should own to keep your trees and plants healthy.

Discover native tree species most highly valued for maximum carbon sequestration, attracting pollinators and wildlife and most importantly, learn how to properly care for your tree to allow it to perform to its greatest gift-giving capabilities.

DIRTY LITTLE SECRETS ABOUT RHODODENDRONS

Stephen Krebs, Director, David G. Leach Research Station

The Holden Arboretum



Rhododendrons are the plants that you tried and they died. They are among the most ornamental woody shrubs in the landscape, but they are also difficult to grow well. Most of the problems are below ground – alkaline soils, poor drainage, and *Phytophthora* root rot pathogens. Examine a 10 year project to breed rhododendrons that can cope some of these challenges. A significant outcome of this project was demonstrating that increased resistance to root rot disease also confers heat tolerance and the ability to

expand the culture of these hybrid rhododendrons into warmer and wetter climates.

ENOUGH GOOD FOOD

Kim Flottum, Editor

Bee Culture Magazine



Providing a diverse, continuously blooming, nutritious landscape for pollinators is possible and beautiful at the same time.

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COMPOST FROM THE GROUND UP!

Diana Sette, Green Corps Youth Manager

Cleveland Botanical Garden



Learn the basics and beyond of how to convert food scrapes and yard waste into nutrient dense food for your soil and plants. Explore various methods and composting facilities from residential to commercial, discover how to find the method that works best for you and how to troubleshoot to get your compost to its highest potential.

WHAT SUSTAINABILITY MEANS TO YOU, SUSTAINABLE LAND USE AND THE FUTURE OF ENVIRONMENTAL PROTECTION

Brooke A. Furio, Supervisor, Region 5 Cleveland Office

United States Environmental Protection Agency



Through the sustainability lens the audience will learn how unsustainable land use in the United States has complicated the protection of our natural environment and has strained social and economic conditions. A discussion of existing and future environmental challenges due to land use will be the focus.