

## REGISTRATION

### A Gardener's Guide to Climate Change

Name

Address

City/Zip Code

Phone

Email

Yes, please confirm receipt via email above

Yes, I have dietary restrictions, which are:

Boxed lunch choices provided by *In Good Taste Catering*. Please select one - \$7 each:

- Turkey on bun, broccoli salad, fruit, cookies
- Chicken salad wrap, broccoli salad, fruit, cookies
- Salad of mixed greens & veggies, boiled egg, bread stick

(Condiments, utensils, dressing packets, and cold beverages provided.)

<input type="checkbox"/> Lunch	\$7.00
<input type="checkbox"/> Registration	\$35.00
<input type="checkbox"/> Master Gardener Registration	\$30.00

Please complete the form above and mail with a check made out to:

Greene County Master Gardeners  
and addressed to:

Elaine Middlestetter  
4065 Eckworth Drive  
Bellbrook, OH 45305

Select vendors and organizations will display information and offer related products for purchase.

## CONTACT INFORMATION

Registration forms are also available at local garden centers and libraries throughout Greene County or information online at:

<http://greene.osu.edu/>

This seminar meets the requirement of five continuing education hours for Ohio Master Gardeners.

As space permits, walk-ins are welcome the day of the event, but lunch will not be provided.

For additional information contact:

Elaine at (937) 848-7401

E-mail: [elainemiddle@sbcglobal.net](mailto:elainemiddle@sbcglobal.net)

Rebecca at (937) 429-2569 or 903-4801

E-mail: [rmorgann@woh.rr.com](mailto:rmorgann@woh.rr.com)



### THE OHIO STATE UNIVERSITY

COLLEGE OF FOOD, AGRICULTURAL,  
AND ENVIRONMENTAL SCIENCES

#### Greene County Extension

100 Fairground Road  
Xenia, OH 45385

Phone: (937) 372-9971

Fax: (937) 372-4070

Email: [greenemgv@gmail.com](mailto:greenemgv@gmail.com)

Visit us online at: <http://greene.osu.edu>

CFAES provides research and related educational programs to clients on a nondiscriminatory basis. For more information:  
<http://go.osu.edu/cfaesdiversity>.

## OHIO STATE EXTENSION

# A Gardener's Guide to Climate Change

## Sustainable Solutions to Environmental Challenges



June 13, 2015

Registration: 8:30 a.m.

Greene County Extension Office  
100 Fairground Road  
Xenia, OH 45385



**GREENE COUNTY EXTENSION**  
**GREENE COUNTY MASTER GARDENERS**

## TOPICS

### **SESSION I: Earth Is Warming – Are We The Cause? What Science Tells Us About Climate Change**

Climate change is a "hot" topic with ice caps melting, sea level rising, and more and more species thriving in non-native territory. This session will take a scientific look at the possible causes to these phenomena, the long-term effects, and potential future impacts.

### **SESSION II: Phenology: Using Environmental Cues to Manage the Health of Your Garden**

Plant and insect development are driven by temperature, and there is evidence that insect pests are emerging earlier as the climate warms. Studying the sequence of biological events in your garden, such as bloom time of different plants (a concept known as phenology), you can track the growing season and predict insect development to anticipate stresses on plants and wildlife. The flowering sequence of plants provides a user-friendly biological calendar that is accurate regardless of year-to-year variation in weather. This session will explore how phenology can be a useful tool in managing the health of your garden.

### **SESSION III & IV: Sustainable Gardening in a Changing Climate: Ten Keys to Taking Action in Your Backyard**

These sessions will offer tips, ideas and solutions to create a sustainable garden in your backyard. You will learn how to reduce your environmental footprint and build a garden for you to enjoy and even eat! The sustainable garden will look after your family, create biodiversity, enhance natural ecosystems and, in turn, help the whole planet.

## MORNING AGENDA *with Dan Herms*

8:30 – 9:00	Registration
9:00 – 9:15	Welcome
9:15 – 10:15	Session I BREAK
10:30 – 11:30	Session II
11:30 – 12:30	LUNCH

## AFTERNOON AGENDA *with Jim Chatfield*

12:30 – 1:45	Session III BREAK
2:00 – 3:15	Session IV
3:15 – 3:30	Closing/Evaluation

## ABOUT OUR SPEAKERS

**Dan Herms** is Professor, State Extension Specialist, and Chair in the Department of Entomology at The Ohio State University (OSU), where he has been a member of the faculty since 1997. He received both his B.S. in Landscape Horticulture and his M.S. in Horticulture and Entomology from Ohio State, and his Ph.D. in Entomology from Michigan State University. Prior to joining Ohio State University, he directed the pest management program for thirteen years at The Dow Gardens, which is a public horticultural display garden and arboretum in Midland, Michigan. His research and extension programs focus on the ecology and management of insect pests of trees and shrubs in forests, urban forests, ornamental landscapes, nurseries and Christmas tree plantations. He has served on the USDA Emerald Ash Borer National Science Advisory Panel and Asian Longhorned Beetle Technical Working Group, and is a member of the OSU Climate Change Outreach Team.

**Jim Chatfield** is Associate Professor and Extension Specialist with The Ohio State University (OSU). He is the coordinator of the 35-member multidisciplinary OSU Extension Nursery Landscape and Turf Team that partners with the \$10 billion dollar green industry in Ohio and is Co-Coordinator of the OSU Extension *Why Trees Matter* program that works with urban foresters, communities, schools, and researchers focusing on the environmental, economic and social benefits of trees. His teaching centers on plant diagnostics, selection and pathology, and his applied research focuses on disease resistance evaluation of ornamental plants and street trees. He is president of the International Ornamental Crabapple Society and the registrar for ornamental crabapples (*Malus taxa*) with the International Society of Horticultural Science. Professor Chatfield holds degrees in Botany (Ohio University) and Plant Pathology (The Ohio State University).