

# Cleveland Pollinator & Native Plant Symposium

DESIGNING LANDSCAPES FOR BEAUTY, BIODIVERSITY AND ECOLOGICAL BENEFITS



## 2018 SPEAKERS & TOPICS



Denise Ellsworth

Denise Ellsworth is the program director for the Honey Bee and Native Pollinator Education Program at the Ohio State Bee Lab in the Ohio State University's Department of Entomology. Her areas of emphasis include bee health and integration pest management, pollinator identification, conservation and habitat enhancement, and plant and insect phenology. Ms. Ellsworth teaches farmers, gardeners and master gardeners across the state about the important role of pollinators and plants in sustainable gardening practices.

### Native Bees in Our Backyard

Meet some of Ohio's 500 species of bees—including the largest bumblebees, the smallest sweat bees, leaf-cutting bees, mining bees, polyester bees and more. Learn about their nesting habits, preferred forage flowers for nectar and pollen and the pollination benefits they deliver to our ecosystem. This presentation is overflowing with insightful information on attracting these fascinating native bees to your garden.

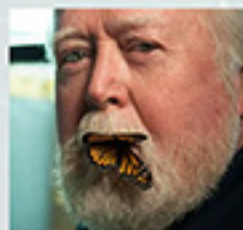


Mark Richardson

Mark Richardson is the Director of the New England Wild Flower Society's renowned native botanic garden, Garden in the Woods in Framingham, MA, and its native plant nursery operation, Nassau Farm. He studied ornamental horticulture at University of Rhode Island while helping to run a mid-sized ornamental plant nursery before finding his true passion in public horticulture. Mark led undergraduate programs at Longwood Gardens, where he overhauled the curriculum of the Professional Gardener Program. He holds a master's degree from the University of Delaware's Longwood Graduate Program.

### Sustainable Horticulture: Redefining the American Landscape

The ultimate goal for the ecological gardener is a beautiful garden that provides year-round interest, supports local wildlife, absorbs and filters rainwater, and improves air quality. The garden's impact on environmental quality is as important as creating and maintaining a beautiful garden. Learn about the basic principles employed at Garden in the Woods to ensure the best garden stewardship practices are used to contribute positively to environmental quality.



Dr. Chip Taylor

In 1992, Dr. Taylor founded Monarch Watch, an outreach program focused on education, research and conservation for monarch butterflies. He has championed monarchs since the early 1990s when his studies through the University of Kansas-Laurence documented a 90% decline in monarch populations along their migratory flyway. His advocacy as founder of Monarch Watch, Monarch Waystation and the Midwest Market continues to mobilize citizen science and gardening support to restore habitat needed to preserve the monarch.

### Saving the Monarchs

One of our most charismatic insects, the monarch butterfly, has been in big trouble since the early 1990s. So in 1992, Dr. Chip Taylor created Monarch Watch to bring new insights into the monarch migration to the public. Discover the Top Ten Facts about the monarch life cycle, habitat needs and epic multi-generational migration.

Monarch Watch educates schools, businesses, institutions and homeowners on ways to create resources for monarchs, pollinators and all wildlife that share the same habitat.



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Jessica Walliser

Jessica Walliser co-hosts "The Organic Gardeners" on KDKA-Radio in Pittsburgh, PA. She is a regular contributor to Five Gardening, Urban Farm and Hobby Farms magazines. She has two weekly garden columns for the Pittsburgh Tribune-Review. Her fourth book, *Attracting Beneficial Bugs to the Garden: A Natural Approach to Pest Control*, was named one of the Top 12 Gardening Books by Martha Stewart Living magazine. Jessica received her ornamental horticulture degree from The Pennsylvania State University and is a former faculty member of Phipps Conservatory and Botanical Gardens.

### Attracting Beneficial Bugs to Your Garden

Understanding the cycle of predator and prey is an integral part of growing organically. Explore the methods needed to attract beneficial insects, such as, ladybugs, lacewings and parasitic wasps to your garden—and keep them there. Ground-breaking university research is highlighted regarding the intricate connection between plants and insects, and explaining the need for maintaining the garden's natural balance. Jessica presents beautiful images of the predators themselves and their favorite host plants. You'll never look at bugs the same way again!



Dr. Annie White

Annie White is an ecological landscape designer and the owner and Principal Designer of NECTAR, a landscape design studio and consulting company based in Burlington, VT. She has an MS in Landscape Architecture from the University of Wisconsin (Madison) and a PhD in Plant and Soil Science from the University of Vermont. She is passionate about designing cutting-edge, science based, and pollinator-friendly habitats at all scales from urban backyards to rural agricultural landscapes.

### Inspiring Design Strategies for Creating a Pollinator-Friendly Landscape

A landscape rich in diversity of flowering plants can be beautiful while supporting bees, hummingbirds, butterflies, birds and other pollinating insects. Annie White shares tips on the optimal ways to site your gardens, plant placement, the best types of plants for pollinators to maximize pollinator interactions. Get your gardens buzzing and beautiful!



Dave Noble

Dave Noble's 20-plus years of experience as a beekeeper and queen breeder began when he was at The Ohio State University under the mentorship of Sue Cobey. He is currently the Apiarist at Bradford Ecological Center in Delaware, OH. There he cares for the Center's bee hives, runs the queen production and breeding program, and is involved in many educational programs including several levels of beekeeper training. Dave believes in a bee-centered approach and that a better understanding of bee behavior and biology creates better beekeeping practices. His philosophy is "Learn to hear the bees so that they can teach you."

### So You Want to be a Beekeeper!

Get an overview of what is needed to get into beekeeping: equipment and costs, available educational opportunities, what you can expect as a "newbie" and tips for approaching beekeeping to maximize your success!

### The Domesticated Bee

Honey bees are uniquely different from native bees and other pollinators, as one of the very few domesticated insects in the world playing a huge role in agricultural economy. This is a fascinating look into how honey bees helped to shape and were shaped by our agricultural systems and how they fit into our ecology.