CHAPTER LECTURE SERIES ARCHIVE

2020

January 13, 2020 : Beyond Glyphosate: How to Think & Talk about Safety and Risk of Pesticides – *Kaci Buhl, Associate Professor of Practice, Environmental and Molecular Toxicology Department, Oregon State University*

Glyphosate is the most commonly used pesticide in the world and has been very much in the news. With many head-spinning claims and counter-claims swirling around the use of Glyphosate, there is no better person than Kaci Buhl to clarify for us what is supported by scientific research.

In this talk, Kaci will discuss what research tells us about Glyphosate while giving us the tools to think more broadly about risk and safety of all pesticides.

Kaci Buhl is uniquely qualified to talk about the risk and safety of Glyphosate. Buhl co-directs the Pesticide Educational Resources Collaborative, a program that administers $1,000,000 annually in support of new pesticide-related educational materials. She also leads the Pesticide Safety Education Program in Oregon which hosts live recertification events for over 1,000 licensed pesticide applicators.

Kaci holds a B.S. in Entomology and M.S. in Integrated Pest Management from Michigan State University. In 2018, she received the Distinguished Achievement in Pesticide Safety Education Award. ** eligible for recertification credit.*

Q&A on Glyphosate: http://blogs.oregonstate.edu/mgcoordinators/2018/10/15/glyphosphate-questions-answers/

National Pesticide Information Center: http:npic.orst.edu

Glyphosate Technical Fact Sheet: http://npic.orst.edu/factsheets/archive/glyphotech.html

Glyphosate General Fact Sheet: http://npic.orst.edu/factsheets/glyphogen.html

February 10, 2020: Dwarf Conifers – Sam Pratt

Midwinter is the perfect time to think about dwarf conifers. Sam Pratt brings his years of experience in propagating and growing these beautiful essentials to our meeting.

Trees and shrubs are the backbone of any garden. And evergreens are the paperweights that give our gardens a sense of presence during winter, when they go from providing supporting roles to being the stars of our outdoor spaces. Dwarf conifers provide that presence in smaller and urban yards, and, in large spaces, they provide the shapes, colors, and textures to occupy the winter understory beneath larger trees.

Sam will share essential information about selecting, designing with, propagating, planting and caring for these critical plants.

Sam Pratt is the resident plant expert and inventory manager at Conifer Kingdom (retail) and Rare Tree Nursery (wholesale), sister nurseries in Silverton that specialize in dwarf conifers and Japanese maples, and propagate and sell over 1000 varieties. He is also an avid photographer of, and spokesperson for, these essential plants. He is an active member of American Conifer Society and a consultant for the Dwarf Conifer Collection at the Oregon Garden.

https://www.coniferkingdom.com/

March 9, 2020: Culinary Breeding Network: Building Community among Breeders, Farmers, Chefs, Retailers & Eaters to Create Better Varieties for All – Lane Selman, Professor of Practice, Department of Horticulture, Oregon State University

In 2011, the Culinary Breeding Network was formed to bring together plant breeders, seed growers, farmers, chefs, produce buyers and other consumers to discuss and identify preferences and traits of culinary excellence for vegetables and grains.

Incorporating chefs, farmers, produce buyers and other stakeholders into the plant breeding process gives breeders deeper insight into preferred traits while also increasing awareness and understanding of organic plant breeding to a broader audience.

This presentation will review recent efforts in vegetable breeding as a result of the Culinary Breeding Network's work. It should help inform local gardeners of new options in vegetable varieties.

Lane Selman is the founder of the Culinary Breeding Network and has worked with organic farmers, plant breeders and chefs for 15 years. Lane's work has been featured in the media including Food & Wine, The Wall Street Journal, Civil Eats, Food Tank, The New York Times and Eating Well

magazine. Lane has been the recipient of many awards, including the Award of Excellence for Organic Advocate by the Oregon Organic Coalition in 2016.

Lane grew up on a citrus farm her Sicilian great-grandparents planted in 1919 on Florida's space coast. She has a B.S. in Agronomy and a M.S. in Entomology, both from University of Florida. In 2000, she moved to Oregon and since 2005 has been an agricultural researcher at Oregon State University working with diversified, organic farmers on collaborative research projects.

www.culinarybreedingnetwork.com * eligible for recertification credit

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May 11, 2020 via oregonstate.zoom: Bee-Friendly Gardening Practices – *Gail Langellotto, Oregon State University Garden Ecology Lab* click here for the full presentation

Although Master Gardeners are trained in university research, nearly all of the gardening advice they dispense to home gardeners are derived from agricultural research. This is because research funding concentrates in commercial crops while there is little to no money to support research in gardens.

Bucking this trend, Dr. Gail Langellotto of Oregon State University formed the Garden Ecology Lab in 2016. An underlying premise of the group's work is that gardens are important and understudied systems that are key to building more sustainable, healthy and just communities.

Since then, studies on urban soil, native plants, and garden pollinators have generated significant findings to inform gardening practices.

This talk draws from a 3-year study of Portland area gardens. It will review the plants and practices that have been shown to promote native bee abundance and diversity in home gardens. It will also highlight the importance of urban and suburban gardens to bee conservation efforts, and small changes that any gardener can make to benefit bees.

Gail Langellotto is a Professor of Horticulture, where she also coordinates the statewide Extension Master Gardener Program. She received her B.S. in biology and M.S. and Ph.D. in entomology, all from the University of Maryland. Her lab group, the Garden Ecology Lab at OSU, studies the plants, animals, people, decisions, and management practices that either improve or degrade a garden's ability to promote environmental and human health.

http://blogs.oregonstate.edu/gardenecologylab * eligible for recertification credit

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June 8, 2020 via oregonstate.zoom: The New Clematis Horticultural Classification – *Linda Beutler, Curator, Rogerson Clematis Collection* Click here for the full presentation.

If you grow clematis and are unsure of proper pruning techniques for them, you are not alone! Confusion over clematis pruning has long been recognized by experts as a major issue and, in 2016, the International Clematis Society and the Royal Horticultural Society UK formed a partnership to address it.

Click here for the clematis handout: Clematis classification pruning

Over the past three years, Linda Beutler chaired a panel of experts to simplify the classification system and pruning instructions. An initial revision that takes 14 "groups" down to 6 "ranges" was approved by both organizations in June 2019.

What does this mean to the home gardener? Simply put, pruning Clematis has become clearer and easier than ever. In this illustrated lecture, Linda will share the most recent and authoritative information on how to grow, care for, and prune clematis.

Linda serves as curator of the Rogerson Clematis Collection (FRCC), North America's only accredited clematis collection and she is the immediate past-President of the International Clematis Society. In July 2018 she was given a Golden Clematis Award by the International Clematis Society for her service to the Society and the genus Clematis. She has been an adjunct instructor of horticulture at Clackamas Community College (CCC) since 1996, specializing in herbaceous perennials (their cultivation and use) and cutting gardens for home and commerce.

Linda lectures nationally on numerous gardening topics, and she has made numerous appearances on Portland's Garden Time TV.

https://www.rogersonclematiscollection.org * eligible for recertification credit

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October 12, 2020 at 7:00 pm : Mutualism, Deception and Self-Defense: The Complex Dance of Co-Evolution in Insects and Plants – *Celeste Searles Mazzacano, Owner and Principal Scientist, CASM Environmental LLC.*

During the course of evolution, plants have insects have evolved to affect each other in fascinating and intricate ways. These include many examples in how traits and behaviors are shaped. Celeste Mazzacano is an educator who strives to impart her almost excessive enthusiasm about insects to others.

In this talk, Celeste will show us a world of insects and plants which includes defensive arms races, attraction to sweet rewards, trickery, death traps, sex and

reproduction, and elaborate social organizations. Her goal: to engender a greater awareness and appreciation of insects and their functions.

Celeste has a B.S. in Genetics & Cell Biology and a Ph.D. in Entomology from the University of Minnesota. Her research and teaching has taken her from river bottoms to tree canopies as she investigates and preserves insect species, characterizes their impacts on habitats, and develops management plans that protect the overall ecosystem. Her work currently focuses on insects, freshwater mussels, and other invertebrates.

http://www.casmenvironmental.com * eligible for recertification credit

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November 9, 2020: Gardens, Farms, and Nature for Veteran Whole Health –*Scott Hoffman, Therapeutic Garden Program Coordinator, VA Portland Health Care System* Click her for the full presentation

The Veterans Affairs (VA) Portland Health Care System in Portland, OR is piloting a program incorporating therapeutic horticulture and agricultural vocational training into Veterans healthcare as a component of Whole Health. The program focuses on physical, emotional, cognitive, and social benefits among Veterans, while working in the community and at VA Portland Health Care facilities newly established gardens.

Scott Hoffman will share information about this program. He created the VA Portland Veterans Healing Garden and now is establishing this new gardening and farming program.

Scott holds a B.S. in Horticulture and Environmental Landscaping from the University of MN and a M.S. in Agriculture from Washington State University. His graduate studies involved Healing Gardens in Health Care, with the creation of the Veterans Healing Garden at the VA Portland Medical Center. Scott manages a therapeutic garden program for Veterans that involves community engagement, fosters health and wellness, and provides professional education in the knowledge and skills for vocational opportunities in the agricultural and horticultural industries. Scott is a U.S. Air Force Veteran that served during Operation Enduring Freedom and Operation Iraqi Freedom.

https://www.portland.va.gov/features/Meet_PVAMC_gardener_Scott_Hoffman.asp

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December 14, 2020: A Short History of Seed and Nursery Catalogues – *Alice K. Formiga, Assistant Professor of Practice, Department of Horticulture, Oregon State University* Click here for full presentation

As you thumb through a new nursery or seed catalog, have you ever wondered how they have changed from last year? 5 years ago? 100 years ago? Historic seed catalogs provide an interesting window into the history of plant introductions, changing cultural tastes, and technological developments.

Join us for a talk on how seed and nursery catalogs in Europe and the US have evolved from the printed catalogs and seed lists of the 1600s to the online catalogs of the present. This talk draws content from the Oregon State University collection of 2,000 seed and nursery catalogs.

Alice Krinsky Formiga is a former trial garden manager and horticultural advisor for Shepherd's Garden Seeds and Renee's Garden Seeds. She holds a Masters of Library and Information Science from the University of Washington, and works as the director of eOrganic at the Oregon State University Department of Horticulture.

Alice wrote the text of an online exhibition on the seed and nursery catalog collection at the Oregon State University Valley Library. It is available at http://scarc.library.oregonstate.edu/omeka/exhibits/show/seed/introduction/collection/

https://eorganic.info