

<b>Slug Hunting: Know Your Enemy</b>
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<i>Claudia Groth - Master Gardener, Multnomah County</i>
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One slug can lay up to 500 eggs in a year! But you don't have to let slugs and snails get the best of your garden. Learn about the behavior and biology of these fascinating, though pesky, creatures. Then use what you've learned to choose the best control methods to protect your garden. A fun and fascinating presentation.
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<b>Native Plants and Pollinators</b>
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<i>Aaron Anderson, OSU Graduate Research Student</i>
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In this class, Aaron will summarize the preliminary results from his native plants and pollinators field study to determine the attractiveness of 23 native Willamette Valley wildflower species to pollinators and natural enemies. This study started in 2017. Additionally, he is monitoring four exotic garden species known to be attractive to bees for comparison. Weekly during the growing season, he monitors the floral bloom, performs timed pollinator observations, and samples the insect community on each plot. Additionally, in 2018 Aaron asked gardeners to rank the aesthetics of these 27 flowers via an online survey, in order to identify the species most attractive to both pollinators and gardeners.
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<b>Introduction into Permaculture and Permaculture Design</b>
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<i>Andrew Millison, OSU Department of Horticulture</i>
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Introduction to Permaculture. Permaculture Design is a method of landscape planning that can be applied at scales from the home garden to city block to village to farm. It is an ethically based whole-systems design approach that uses concepts, principles, and methods derived from ecosystems, indigenous peoples, and other time-tested practices to create sustainable human settlements and institutions. Although rooted in horticulture and agriculture, Permaculture design is interdisciplinary, touching on a wide range of subjects including regional planning, ecology, animal husbandry, appropriate technology, architecture, and international development.
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<b>How Climate Change Will Affect Life in in the Willamette Valley</b>
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<i>Ed Squiers, PhD Botany</i>
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Synopsis not yet available
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<b>Organic Pesticides</b>
<i>Kaci Buhl, OSU Extension</i>
This class will emphasize the importance of using ANY pesticide with caution, even those that are derived from natural materials. Further, she will demonstrate how to use PICOL, a database of pesticide products registered in the northwest, to identify pesticides that have been approved for organic production. Students will review organic insecticides, fungicides, rodenticides, and herbicides, and discuss ways to respond to questions from the public about organic pesticides.

<b>Managing Clay Soils</b>
<i>Linda Brewer, OSU Faculty Research Assistant, College of Agricultural Sciences</i>
High clay content soils can pose management challenges, but if well managed, provide benefits to the gardener. You will learn about the mineralogy of clay soils, the geological processes that form them, and tips about improving drainage and generally getting along with clay.

<b>Bonsai - Gardening With Living Art</b>
<i>Keith Wingfield, Master Gardener, Yamhill County</i>
Participants will learn the history and origins of the art and culture of Bonsai. You will be able to observe Bonsai trees from Keith personal collection from very large to palm size and ranging in age from a few years to decades. You will learn about the cultivation of tree for Bonsai training and styling and learn about the processes necessary to maintain the health and development of these magnificent pieces of living art over decades. Participants will be provided with an extensive handout accompanied by diagrams of the horticultural processes for the creation of the look of ancient and aged mature trees in miniature and about the year round care and maintenance of ever evolving pieces of art.

<b>Do You Need a Soil Test for Your Garden - If so, Now What?</b>
<i>Anna Ashby, Master Gardener, Yamill County</i>

So you've received lab soil test results, or a client brings in test results, what does it mean and what do you do about it? Join us as we walk through a sample test result sheet to decipher all those cryptic numbers and symbols. Then we will create a soil amendment plan. All of this will be in layman's terms from a non-soil scientist's point of view.

### **Watering and Irrigation**

*Jeff Cope, Home Grown Gardens, Corvallis*

Wondering how much, how often and how best to water plants in your garden, lawn and landscape? This presentation will cover managing root zones, grouping plants by similar water needs and water delivery systems.

### **Knee Deep in Weeds**

*Chip Bubl, Associate Professor, OSU Extension Service*

This presentation will explore changing weed dynamics, new species of concern, and innovations in weed management.. You will learn some weed biology, new approaches to weed management, and how to identify some new weeds of concern.

### **It is time to take on invasive pests**

*Joshua Vlach, Entomologist Oregon  
Department of Agriculture*

In Oregon, we have found over 100 exotic invertebrates established in Oregon since 2007. Most of the important invertebrate pests we deal with in our gardens are exotic species, and we continue to bring in new pests. There is no sign of a slowing of the invasion. We will discuss established exotic pests and their impacts, new Oregon arrivals, and those on the near horizon. We will end the session discussing practical ways to work toward stopping this endless invasion.

### **Grow Awesome Fruit Trees**

*Joseph Postman, USDA Research Service, National Clonal Germplasm Repository*

This class will discuss rootstocks, planting and pruning as well as suggested varieties of apples, pears and quinces for the home orchard.