



the
JOY
of Gardening

CONFERENCE 2024

AT OSU CH2M HILL ALUMNI CENTER

JULY 12 and 13

Friday July 12 8:00-9:00

**Opening Remarks by Dr. Leslie Madsen: Master Gardener
Program 2024 and Beyond**

Keynote: 9 AM -10:15

TEN COOL THINGS WE LEARNED FROM GARDEN RESEARCH

Presented by Sherry Sheng and Dr. Gail Langellotto

Description

Be among the first to integrate the latest science into gardening.

- Discover ten cool things we learned from garden research in the Pacific Northwest
- Understand how they apply in gardens
- Gain insight into the world of garden research
- Explore ideas for future research projects

Speaker Bios:

Sherry Sheng is an OSU Master Gardener™ who co-founded the 10-Minute University™ Program. Over the past 18 years, Sherry led its growth into a source for research-based gardening content. Today, 10-Minute University offers webinars, in-person classes, handouts, videos, and a monthly newsletter. It was recognized for excellence with three Search for Excellence Awards from the Oregon Master Gardener Association and the International Master Gardener Conference. Sherry and husband Spike have been

funding research at the OSU Garden Ecology Lab since 2016. Last year, Sherry established the Sheng-Wadsworth Endowment in Garden Biodiversity and the Oregon Garden Research Fund to facilitate engagement from other passionate gardeners.

Dr. Gail Langellotto is a Professor of Horticulture at Oregon State University, where she also leads the Garden Ecology Lab. Together with her students, she studies garden soils, microbes, insects, and plants, to promote sustainable garden designs and management practices. She has published more than 40 scientific papers in peer-refereed journals, including five that have been recognized for high influence in the fields of horticulture, urban ecology, conservation biology, and extension. Her extension publications include 23 contributions to the OSU Extension catalog, three of which have won national awards. During her 16-year term as an Extension specialist, she delivered 351 in person classes, reaching more than 21,000 people. She strives to bring current science to all her talks and classes.

Class descriptions:

Session 1 Friday, 10:30-11:15

1A TOUR: OAK CREEK CENTER FOR URBAN HORTICULTURE

Lead by: Nick Cavagnaro

Description: Six acres of paradise off Oregon State University's main campus, Oak Creek Center for Urban Horticulture is an excellent learning laboratory for sustainable horticultural practices in both rural and peri-urban landscapes. OCCUH continues to be a hotbed of activity during the summer. There are several areas, individuals, and groups that are using the 6.5 acres of space on the SW corner of campus for research -- as well as just plain fun. View 20 large containers that are producing both food and flower power for pollinators. Pollinator plants produce both nectar and pollen for a wide array of pollinators from bees to beetles. Another feature of the center is the green tower, a virtual amorphous undulating orb of vegetables and flowers. This construct has a footprint of 12.5' stands 6' tall and creates a planting area of nearly 90 sq. ft. - you just must see it! Walking tour.

Bio: Nick Cavagnaro, Bio Research Tech 1 at Oak Creek Center for Urban Horticulture (OCCUH), I've been doing plant propagation, garden maintenance, and woodworking for both OCCUH and the OSU Bee Lab for 10 years. My favorite plants are Salvias and native plants.

1B TOUR: HORTICULTURE SCIENCE AT OSU (LAB TOURS)

Lead by: Dr. Gail Langellotto

Description: Scientists at OSU study gardens, bees, ornamental plants, berries, vegetables and more! We will take a brief tour of 3-4 labs in the Agricultural and Life Sciences building, to learn more about work in progress, and how scientists identify novel questions and craft studies that serve Oregonians. The building is a 15–20-minute walk from the Master Gardener conference site. Bus service may be available. Limited to 15 people.

Bio: Dr. Gail Langellotto is a Professor of Horticulture at OSU, where she also leads the Garden Ecology Lab.

1C EMPOWERING COMMUNITIES THROUGH INCLUSIVE LEADERSHIP; BRIDGING INNOVATION, DIVERSITY AND WELL-BEING: Dr. Ana Lucia Fonseca

Bio: Dr. Ana Lucia Fonseca is an advocate for social change, authenticity, and organizational diversity. She serves as the Director of Diversity, Equity, and Inclusion at Oregon State University Division of Extension and Engagement. Her role involves fostering an inclusive environment and ensuring Civil Rights compliance. Ana Lucia has an impressive educational background, including a Ph.D. in Language Equity and Education Policy, with a focus on Latina entrepreneurship. She also has a diverse academic background, including a BS in Social Psychology and an MS in Forest Engineering, with a focus on social innovation for community development. Before becoming the DEI Director, Ana Lucia worked as an extension faculty member, where she designed STEM and healthy living curricula that were multilingual and culturally relevant. This reflects her commitment to bridging the gap between people, the environment, and access. Ana Lucia's career includes working with the Federal Mexican Government and collaborating with the International Fund of Agriculture on innovative rural development initiatives for indigenous communities. Ana Lucia is passionate about social justice, the dynamic intersection between innovation and diversity, culturally relevant programming, economic equity, and community economic empowerment. She also serves on the Oregon State Credit Union Board of Directors and the ARCS Foundation for Science in America.

1D SOIL: WHAT IT IS AND HOW IT WORKS: James Cassidy

Description: It's ALL about soil! Most people only have a vague idea of what soil is and how it works. You will learn more than you ever thought possible from this lecture. The reason you are alive, what nutrients are, how soil stores water and nutrients. The fundamentals that ALL humans on the planet Earth should know!

Bio: James Cassidy has been an Instructor of Soil Science at Oregon State University for over 18 years. The introductory class now has over 100 students each term and is very popular. James is also the faculty advisor for the wildly popular OSU Organic Growers Club - OSU's student farm. Coming from a non-traditional background (music industry for over 40+ years) he is passionate about soil and is popular with students because of his dynamic speaking style. The student farm project has over 300 student volunteers on its list-serve and continues to grow. The farm cultivates over 50 different fruit and vegetable crops and is just beginning its 23rd season.

1E GROWING YOUR HOME LAWN SUSTAINABLY: Dr. Alec Kowalewski

Description: This presentation will cover the primary cultural practices (mowing, fertilization, and irrigation) within turfgrass management. Emphasis will include proper mowing height and frequency, fertilization rates and frequency, irrigation rates and frequency for optimum

sustainable turf grass growth and development. Several weed case studies, which result from improper implementation of these primary cultural practices, will be presented.

Bio: Dr. Alec Kowalewski, PhD, has over 20 years of research experience in landscape management and has written multiple publications. Alec is an Associate Professor at Oregon State University and teaches undergraduate classes in the Department of Horticulture.

LUNCH 11:45-12:45

Brown Bag Lunch: sandwich, salad, cookie, iced tea or lemonade \$17 pre-order only

Session 2 Friday, 12:45-2:00

2A THE NEW USDA PLANT HARDINESS ZONE MAP: A LOOK BEHIND THE SCENES AT HOW IT WAS DEVELOPED AND WHAT IT CAN AND CANNOT TELL YOU: Dr. Christopher Daly

Description: In many regions of the world, the extremes of winter cold are a major determinant of the geographic distribution of perennial plant species and of their successful cultivation. In the United States, the U.S. Department of Agriculture (USDA) Plant Hardiness Zone Map (PHZM) is the primary reference for defining geospatial patterns of extreme winter cold for the horticulture and nursery industries, home gardeners, agrometeorologists, and plant scientists. The plant hardiness (PH) statistic is defined as the extreme annual minimum temperature averaged over a period of years. Maps of this statistic and variants have been released in one form or another for more than a century. An updated PHZM was released by Oregon State University's PRISM Climate Group and USDA in November 2023 and supersedes the PHZM released in 2012. This class will focus on the history of the PHZM, how the current map was developed, misconceptions about the map's purpose, how the zones are changing, and what it all means for your garden. In addition, tips on how to easily access weather and climate data anywhere in the country from the PRISM website will be presented.

Bio: Dr. Christopher Daly is the director of the PRISM Climate Group and Chief Scientist for the Northwest Alliance for Computational Science and Engineering in the College of Engineering at Oregon State University. He received his B.S. in Atmospheric Sciences from UC Davis, M.A. in Forest Geography from the University of Colorado at Boulder, and Ph.D. in Physical Science from Oregon State University. He pioneered the discipline of Geospatial Climatology, which is the study of the spatial and temporal patterns of terrestrial climate and features on the earth's surface that control these patterns, such as mountain ranges and coastal zones.

2B THE BEE PLANTS YOU MUST HAVE: DISCOVERIES OF THE OREGON BEE ATLAS: Dr. Andony Melathopolous

Description: Description: There are SO many plant lists. We all love plants – the more the merrier. But what if you are looking to up your bee-plant-game? This talk will focus on data emerging from the Oregon Bee Atlas, which connects the bees to the flowers they visit.

Bio: Dr. Andony Melathopolous is an Associate Professor of Pollinator Health Extension in the Department of Horticulture at Oregon State University. He has over 20 years of experience working together with commercial beekeepers and land managers to develop solutions for keeping bees healthy. His Extension program includes the Master Melittologist and Bee Steward programs and hosts of a podcast about pollinator health, PolliNation.

2C GROWING AND CARING FOR FRUITS AND BERRIES IN THE HOME GARDEN: Logan Bennett

Description: This presentation will discuss the basic techniques for growing and the care of various fruits and berries from planting to harvest.

Bio: Logan Bennett is the OSU Extension Small Program and Master Gardener Program Manager for Douglas County Extension. Logan Bennett graduated from Oregon State University, receiving a bachelor's degree in Natural Resources Management, and continued to earn his master's degree in Soil Science. Logan was in the agricultural sector as a crop consultant and scout since 2020. He spent much of his time working in the field with farmers on integrated pest management and crop fertilization. He specialized in permanent cropping systems, such as blueberries, cane berries, apples, and hops. Logan has also worked with row crops and some specialty crops in small scale agricultural systems. He grew vegetables, herbs and cut flowers with the Oregon State University Organic Growers Club (ORGS), where he served as the president. Logan believes that using integrated pest management strategies with an emphasis on economic thresholds in agriculture is key in promoting sustainability while maximizing crop quality and return on investment.

2D NEW MG TRAINING MODULE ON CLIMATE CHANGE/INTERACTIVE: Dr. Brooke Edmunds and Signe Danler

Description: New volunteer opportunity: Gardening in a Changing Climate. Many of us are seeing firsthand the impact of extreme weather events and climate change in our gardens. The Master Gardener Program is planning a new statewide climate change outreach project and invites Master Gardener volunteers to get involved. Look for a new learning module for volunteers, educational toolkits to help you with community outreach, and a public action campaign. See it all firsthand in this interactive class.

Bio: Dr. Brooke Edmunds is the OSU Extension Community Horticulturalist in Marion and Polk Counties. She has worked for the OSU Extension Master Gardener Program since 2014 and is an Associate Professor in the Department of Horticulture. Brooke also enjoys vegetable gardening with her family in Salem.

Signe Danler is a veteran Master Gardener, landscape designer and plant nerd with a particular interest in urban horticulture and applying ecological principles to landscape design.

Session 3, Friday 2:15-3:30

3A HYDRANGEA HIGHLIGHTS: Darren Morgan

Description: No genus of shrubs has undergone such a transformation as Hydrangea has over the last couple of decades. There are hydrangeas to suit any garden - learn about the new varieties and less common species of Hydrangea - mop-heads, lace-caps, paniculate and oakleaf, interspecific crosses and intersectional hybrids, hydrangeas with sun tolerance and foliage interest, and more.

Bio: Darren Morgan has worked at Shonnards Nursery in Corvallis for 32 years and is currently the nursery manager. He specializes in trees and shrubs, edible gardening, and most recently beekeeping. Darren also teaches community education classes and workshops at Shonnards as well as through Linn-Benton Community College.

3B GARDEN TRIVIA GAME: LIVE! Nicole Sanchez

Description: Dust off those “Sustainable Gardening” Master Gardener textbooks and take another look! Our LIVE version of the trivia series many of you enjoyed over the winter will be based entirely on gardening wisdom found in the nooks and crannies of the giant book you love to hate! From soils to berries to weed management, any topic found in your textbook is likely to be covered in this fast paced, interactive opportunity to win exciting prizes and bragging rights! Bring your fully charged cell phone and join the fun! Limit 100 participants.

Bio: Born and raised in Virginia, Nicole has been a gardener since childhood, when she followed her grandfather around the garden pestering him with endless questions. She began her horticulture career in the retail florist and garden center arena, then went on to study horticulture and entomology at the University of Tennessee, Knoxville (bachelor’s 2000, master’s 2002). After college she worked for 10 years in botanical gardens, first at the large and established Callaway Gardens (Pine Mountain, GA), then as the keystone employee of the Columbus (GA) Botanical Garden, a then- new garden with no employees and almost no budget. At North Carolina State University she served as a crop consultant for fruit and vegetable growers in eastern NC for five years. She’s been at Oregon State University’s Klamath Basin Research and Extension Center since July 2016 as a professor of practice, working with both commercial and home horticulture programs as well as a variety of insect- related projects. Outside work, Nicole’s interests include quilting, reading, writing poetry, and exploring nature. Nicole has entered many quilts in competitions, and both published and performed her poetry, some of which includes significant horticultural content. She raises chickens and dairy goats with her son, 17, and daughter, 14.

3C TOP PICKS FOR LOW WATER USE GARDENS FROM NW PLANT EVALUATION TRIALS: Heather Stoven

Description: The NW Plant Evaluation Program began in 2000 with Neil Bell’s efforts to evaluate underutilized ornamental landscape plants for western Oregon. This presentation will discuss the unirrigated evaluations including California lilac (Ceanothus), rock rose, manzanita, spider flower (Grevillea) and the multiple species within the current groundcover trial. With over 20 years of research data on beautiful and unique shrubs grown without irrigation in the

Willamette Valley, there is a lot to share! Beyond showing off the cool plants, we will also discuss how to grow and establish a drought-tolerant landscape.

Bio: Heather Stoven is a Community Horticulturist and Small Farms Extension Agent for Oregon State University serving Yamhill County. Before her current extension position she partnered with Neil Bell and has assisted with the NW Plant Evaluation Trials since 2008. She considers herself a plant nerd and enjoys spending her time dragging her husband and two girls to gardens and nurseries.

3D OUTREACH AS A MASTER GARDENER VOLUNTEER: ACTIVATING OUR CIRCLES OF INFLUENCE:

LeAnn Locher

Description: We all have a passion for gardening, but how do we use this passion for making an impact in our community? In this workshop, we'll be digging deep into understanding what it means to be a Master Gardener, how we're connected to OSU and to our communities, and practice thinking from their mindset to develop new projects. We'll get out all the tools in our toolkit to practice developing promotions, and you'll leave with a better idea of your circles of influence and the impact you make in the world.

Bio: LeAnn Locher is the statewide outreach coordinator for the Master Gardener program. She has over 20 years in experience as a branding and communications consultant for national and regional clients. She runs the social media accounts, promotions, and major outreach initiatives for the OSU Master Gardener program and has been a Master Gardener volunteer since 2009.

END OF DAY

Saturday July 12

8:00-9:00: Welcome, announcements.

Master Gardener of the Year, Behind the Scenes, and Growing and Belonging Awards.

Keynote: 9 AM -10:15

Oregon IPM CENTER: HUB OF INFORMATION TO SOLVE PEST PROBLEMS

Presented by Dr. Silvia Rondon

This presentation will briefly introduce the Oregon Integrated Pest Management Center to the audience. The Center promotes and supports pest management for agriculture and non-agricultural sectors. Our short-term mission is to serve as a one-stop for IPM-related issues, working in collaboration with Oregon's university researchers, Extension agents, producers, and state and federal agencies. One of our main products is Solve Pest Problems (SPP). SPP has over 10-years history and it is a science-based, easy-to-understand guide for homeowners and landscapers and currently, SPP is widely adopted by Master Gardeners. By using SPP, the user will learn to: (1) Identify and learn about pests including insects, weeds, and disease; (2) Determine if action is needed; (3) Understand any risks associated with various options for solving the problem, and (4) After acting, follow up with preventive steps for long-term success.

Speaker Bio:

Dr. Silvia Rondon is the Oregon IPM Center Director, and a Professor and Extension Entomology Specialist at Oregon State University affiliated to the Department of Crop and Soil Sciences. She received her BA and MS in Entomology from the Agraria University in Lima, Perú, and Ph.D. in Crop Sciences with a major in Entomology and Integrated Pest Management (IPM) from the University of Illinois at Urbana-Champaign. In 2002, she worked as a Postdoctoral Associate at the University of Florida Horticulture Department. In Sept-2005, she joined Oregon State University. Her position included Research and Extension, and she has managed her Irrigated Agricultural Entomology Program relying on external funding coming from private, international, state, and federal grants. Her area of expertise is IPM with an emphasis on insect ecology, insect distribution, population dynamics, insect-plant interactions, biological control, insect-plant pathogens interactions, and chemical control.

She has been involved in working with multiple commodities groups including potatoes, grass seed, wheat, and highly valued vegetables including onions, sweet corn, and carrots.

As director of the Oregon IPM Center since September 2022, she is working on strengthening signature programs for the center including phenology and prediction models, responses to the arrival of invasive species, and developing IPM content including biological and pesticide resistance management. She has over 125 peer-reviewed scientific and extension papers, 9 book chapters, 154 non-peer-reviewed publications, and multiple abstracts, and reports. She is an active member of ESA, a member of the Division, Equity, and Inclusion task force; she led the organization of the first Latino/Hispanic Symposium in her professional society, now on its 10th year.

Session 4, Saturday 10:30-11:45

4A GARDEN ALLIES: AN INTRODUCTION TO LIFE IN THE GARDEN: Frédérique Lavoipierre

Description: Explore how to maintain an ecological balance while creating beautiful landscapes with this food web approach to gardening. The emphasis is on the interdependence of all life in the garden and how the lives of insects, birds, other animals, and soil organisms are inextricably interwoven. The presentation begins with a brief introduction to conservation biological control in gardens and discusses why this approach is ideally suited to landscape settings.

Bio: Frédérique Lavoipierre is the author of *Garden Allies: The Insects, Birds & Other Animals That Keep Your Garden Beautiful and Thriving*. Her column, *Voices of the West: New Science on Life in the Garden*, is featured in *Pacific Horticulture*; she also serves on the board of that organization. Frédérique was the director of education at the Santa Barbara Botanic Garden, prior to which she was the founding director of the Sustainable Landscape Professional Certificate Program at Sonoma State University. She holds a master's degree in biology, with an emphasis on ecological principles of sustainable landscapes; her research focused on plant/insect interactions. She teaches, writes, and works as a consultant. Frédérique serves on the board of *Pacific Horticulture*.

4B GARDEN/YARD TOOL RENOVATIONS: MAINTENANCE, SHARPENING AND STORAGE: Fred Alley

Description: This presentation will showcase all the necessary tools you will need in the garden shed. Tool protection and maintenance will also be covered.

Bio: Fred Alley has been a Master Gardener in Douglas County since 2010. His hobby is collection and refurbishing used and antique garden tools.

4C RESILIENT GARDENS: Darren Morgan

Description: A Resilient Garden - If there is one thing that the last decade should have taught us, it is to expect change. Many of our activities need to adapt to these changing circumstances, and gardening is no exception. Fortunately, there are steps we can take to smooth the transitions, to develop gardening techniques and strategies that make continuing to garden easier and more enjoyable. Learn how these strategies apply to all phases of gardening - the orchard and garden, the landscape, and even lawns can be made more resilient to our changing environment.

Bio: Darren Morgan has worked at Shonnards Nursery in Corvallis for 32 years and is currently the nursery manager. He specializes in trees and shrubs, edible gardening, and most recently beekeeping. Darren also teaches community education classes and workshops at Shonnards as well as through Linn-Benton Community College.

4D LEARN FROM SEVERAL MASTER GARDENER CHAPTERS ON BEST PRACTICES FOR SUCCESSFUL PLANT SALES:

Panel participants: Tillamook: Sarah Ostermiller; Benton: Kathy Clark; Douglas: Joy Keeling; Yamhill: Linda Coakley; Central Gorge: Eric Bosler

Description: Plant sales are a great opportunity for local Master Gardener groups to carry out our mission of using research-based horticulture and gardening knowledge and practices to educate community members and promote healthy communities. These events provide multiple touchpoints for Master Gardeners to educate and inspire the public. And they are a great fundraising opportunity! This panel for the Joy of Gardening Conference is intended to provide ideas on **Best Practices**, things to consider, and state licensing information to help Master Gardeners in organizing their own plant sales.

4E TOUR: A HISTORICAL TOUR OF THE OSU CAMPUS ARBORETUM: Dan Blanchard

Description: Join Dan Blanchard, Curator of Living Plant Collections on a tour of the OSU Campus Arboretum. This tour will highlight the history of the OSU campus landscape and cover many of the trees and shrubs that make up the over 65,000 woody plants on campus.

Bio: Dan Blanchard is the Curator of Living Plant Collections for OSU Campus Arboretum and a Horticulture Instructor. In 2023, he earned his M.S. in Horticulture at Oregon State University. Dan's thesis project focused on the establishment of the OSU Campus Arboretum and obtainment of ArbNet Level II Arboretum Accreditation. Dan has a passion for woody plants, urban forestry, plant identification, public horticulture, and education. Dan teaches Landscape Plant Materials I & II, Herbaceous Ornamental Plant Materials, Intro to Public Horticulture, and he developed and oversees the Professional and Continuing Education (PACE) Landscape Plant Identification four-part series. Walking tour.

Lunch: 11:45-12:45

Brown Bag Lunch: sandwich, salad, cookie, iced tea or lemonade \$17 pre-order only

Session 5, Saturday, 12:45 PM- 2:00 PM

5A BEST PRACTICES FOR GROWING PEPPERS AND TOMATOES FROM SEED: Bruce Gravens

Description: In this presentation you will learn how to select and start peppers from seed, planting and growing strong pepper plants, supporting pepper plants, protecting peppers from excessive dry heat and cold nights, and saving pepper seeds. You will learn how to select and

start tomatoes from seed, planting and growing strong tomato plants, supporting tomato plants, protecting tomatoes from excessive dry heat/cold nights, and saving tomato seeds.

Bio: Bruce joined the Master Gardener program in 2001 in Santa Clara County, where he lead their tomato and pepper trials, tomato and pepper seed saving, and plant sale pepper production programs. In the trials program he tested a dozen or so varieties of tomatoes and peppers for production, pest tolerance and taste. The results were reported to locally owned garden centers and local news outlets. In the seed saving program, he saved seeds of a dozen tomato and two dozen pepper varieties. These seeds were used to offer unique varieties at the Master Gardener plant sale and garden centers. Currently, he gardens in a 7000 sq. ft. garden growing 15 varieties of garlic for a local restaurant, 50 varieties of tomatoes, 45 varieties of peppers.

5B JUNIOR MASTER GARDENER PROGRAM: Jim Liskey/Kelly Nowack

Description: The Junior Master Gardener (JMG) program is an international youth gardening program of the university cooperative Extension network. JMG engages children in novel, “hands-on” group and individual learning experiences that provide a love of gardening, develop an appreciation for the environment and cultivate the mind. The Marion County JMG program offers after school instruction, summer day-camps and school enrichment instruction. Students from six Marion County school districts gain hands-on outdoor education in horticulture, entomology, vermiculture, soil science, nutrition, and culinary skills. Students who complete the 10-week program become certified Junior Master Gardeners. The program is offered through a partnership with 4-H Positive Youth Development, the Marion County Master Gardener Association, classroom educators and non-profit organizations. The program is managed and delivered by volunteers who have a heart for students and outdoor garden education.

Bio: Kelly Nowack the 4-H Program Manager for Marion County. Jim Liskey is a Marion County Master Gardener.

5C HEROINES IN THE HISTORY OF BOTANY: Lucretia Weems

Description: Learn about the many women pioneers in the history of botany. These women led amazing lives. Some encountered pirates, some witnessed historic earthquakes, some received visits from the Queen. Each was a true heroine who contributed dramatically to plant knowledge before the word botany even existed. They explored, collected, and propagated plants alongside men. Their work was underscored by courage, determination, and intelligence yet their historic endeavors were too often barely acknowledged. Hundreds of years have passed, and their names have been largely forgotten. Here are the remarkable stories of their lives and work, that we may know them and that their stature be reclaimed and celebrated anew.

Bio: Trained at U.C.L.A. in the Landscape Architecture program, Lucretia has been designing gardens in the western United States for over 20 years. She has created landscapes small

enough to step across and large enough to get lost in. Researching plants for a design project, she came across the name of a female plant explorer working in the late 1700s. As she found more stories of forgotten women doing important work in the field, she knew those stories had to be told. Lucretia lives, works, and gardens in Southern Oregon.

5D RAINWATER HARVESTING FOR LANDSCAPING: Ann Geyer

Description: Harvesting rainwater conserves resources, reduces water bills and helps landscapes survive in drought or water restriction periods. In this session Ann will introduce the basic concepts of how to collect, store, and distribute rainwater. She will provide examples based on her own experience using only rainwater for her 1-acre garden.

Bio: Ann Geyer was introduced to gardening by her grandfather who was a landscaper at Golden Gate Park in San Francisco. While in college she worked at the University of California Botanical Garden tending primarily to the local natives. After college she joined the Master Gardener program in 1981 and has been active ever since. She is the current President of the Lincoln County Master Gardener Association and is a frequent presenter in the Gardening Roundtable series as well as assisting with Master Gardener volunteer training.

Session 6, Saturday 2:15-3:30 PM

6A LETS GIVE THEM SOMETHING TO BUZZ ABOUT: Dan Blanchard

Description: Trees and shrubs provide many benefits to our landscapes including shade, CO₂ reduction, food, and more, but humans aren't the only ones benefitting from them. Pollinators also take delight in the rewards native, and some non-native plants provide in a landscape. Come learn about woody plants for increasing pollinators and biodiversity in your garden!

Bio: See description under **4E Tour: A Historical Tour of the OSU Arboretum**

6B GROWING ONIONS, LEEKS, AND SHALLOTS FROM SEED IN THE HOME GARDEN: Bruce Gravens

Description: We will discuss the details of growing onions, leeks, and shallots from seed. Which types of onions to grow, when to seed onions for overwintering, and planting spring planting. When to seed leeks and shallots. We will also discuss soil preparation and irrigation for onions.

Bio: See description **5A BEST PRACTICES FOR GROWING PEPPERS AND TOMATOES FROM SEED**

6C SAFE AND SUSTAINABLE MANAGEMENT OF PESTS IN GARDENS AND LANDSCAPES THROUGH INTEGRATED PEST MANAGEMENT, THE CASE OF "SOLVE PEST PROBLEMS": Thomas Jima

Description: Integrated Pest Management (IPM) is environmental approach that focuses on long-term prevention of pests or their damage using a combination of science-based information. IPM requires comprehensive information, knowledge, and observation about the pest and their

interaction with the environment and uses the evaluation of all control and prevention methods in a single plan to manage pest damage economically and sustainably. IPM strategy uses broad control tactics, including cultural, biological, mechanical/physical, and chemical, with the least impact on humans and the environment. One of our signature programs, Solve Pest Problems (SPP) provides research-based, safe and sustainable pest management tactics for gardeners and landscapers. SPP was created over 10 years ago with the support of community partners to provide practical tools to combat pests. This free, peer-reviewed, mobile-friendly product presents high-quality pictures and uses plain language that enhances accessibility for all our users. SPP helps 1) identify and learn about pests and weeds; 2) determine if action is needed; 3) understand any risks associated with various options for solving the problem; and 4) after acting, follow up with preventive steps for long-term success. Currently, there are over 200 pieces of online content, with many more in development, covering topics ranging from invasive species, common garden weeds, lawn problems, vertebrate and invertebrate pests, and how to reduce risks while using pesticides. To learn more about SPP, visit <https://solvepestproblems.oregonstate.edu/>.

Bio: In 2023, Thomas A. Jima joined Oregon State University – Oregon IPM Center as an Integrated Pest Management (IPM) Educator. Thomas holds an M.S. in Plant Biology specializing in Plant Pathology and M.S. in Entomology, with a B.S. in Plant Sciences. Thomas has over 10+ years of international experience as a specialist advisor focused on agricultural development, research, project management, capacity building, and clientele management with an emphasis on Plant Protection and IPM. Thomas enjoys learning new things, seeking new opportunities, and becoming proficient at his job. Thomas works independently but gets motivated by teamwork. In his free time, Thomas enjoys being outdoors with his kids hiking and playing sports.

6D SECRETS OF GROWING BEAUTIFUL LILIES ANYWHERE: Kenn Parry

Description: This presentation will cover many varieties of lilies; how to plant, grow and care for lilies, and more.

Bio: Kenn Parry has a BS in Forest Management. He spent 35 years as a pest control business owner; 40 years as a u-cut Christmas tree farm manager and plant nursery manager. He owned and operated a specialized lily farm.

End of Day.

Collect your Silent Auction items.