



Metro Master Gardener™ Newsletter

May 2013

OSU Extension Service

Metro Master Gardener™ Program

Serving [Clackamas](#), [Multnomah](#), and [Washington](#) Counties in the metro area since 1976.

Mission Statement

We provide relevant, research-based education and outreach to the public of Clackamas, Multnomah, and Washington Counties about horticulture and household pests. This information promotes sustainable practices that minimize risks to human health and the environment.

The OSU Extension Master Gardening Program™ is funded in part by Metro, the elected regional government for the 25 cities and three counties in the Portland metropolitan area.

www.oregonmetro.gov/garden

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Dear Master Gardeners-

My newsletter entry for May 2013 is divided into the following components:

- Welcome to Pukhraj Deol, Community and Urban Horticulture Instructor
- Reminders about the OSU/Metro partnership.



Welcome Pukhraj Deol, Community and Urban Horticulture Instructor!

In conjunction with Patrick Proden, OSU Extension Service Regional Administrator, we were able to put a funding package together to hire a 0.75 FTE (3/4-time) horticulture instructor based in the Washington County Extension office in Hillsboro. We are fortunate enough to be able to hire Pukhraj Deol in this position (see her bio below).

Pukhraj will work closely with the Master Gardener (MG) program office (Weston, Jordis, and Margaret) to provide additional support for the MG program in the metro area. Specifically, Pukhraj will help us to manage the Moodle online learning platform and to streamline electronic information and communications. Also, Pukhraj will provide support for Master Gardeners via our contract with Metro by making regular visits to farmers' markets plant clinics to touch base with MGs on-duty, collect data tracking forms and the Healthy lawn and garden pledge, and restock Metro brochures, MG program brochures, and tomato magnets. Such regular support of our remote clinics will be invaluable in terms of helping MGs out in the field and expediting the data collection process for the MG program. Additionally, Pukhraj will also visit the many retail partners that are part of the OSU/Metro partnership. The retail locations on the following link generously provide a \$5 discount on specific gardening products like compost, native plants, and hand weeding tools. See: <http://www.oregonmetro.gov/index.cfm/go/by.web/id=41010>.

Lastly, Pukhraj will be working with Patrick Proden, other Extension colleagues, and a variety of stakeholders to develop and implement an OSU-led food systems assessment and action plan for Washington County. In conjunction with community partners, Pukhraj will assess the current state of local/regional food systems (home gardens, community gardens, food pantries, farmers markets and other direct-market, small farms, production farms, agri-tourism, nonprofit organization, and more) in Washington County and help to create a plan for the future on how these varying groups can support each other's activities and increase opportunities for collaboration.

Biography for Pukhraj Deol

Pukhraj was born and raised in the Punjab state of India, also known as "India's bread-basket". She received her B.S. Agriculture and Master's degree in Agronomy specializing in crop water management from Punjab Agricultural University, India. After completing her masters, she was awarded a research fellowship by the Indian Council of Agricultural Research to conduct research in the area of remote sensing applications in agriculture. Her interest in advancing her education led her to a Ph.D. graduate assistantship opportunity in the U.S. where she recently finished her doctorate in Soil Science specializing in Soil Physics from North Carolina State University. Her doctoral research was related to near-surface heat and mass transfer during soil water evaporation. Besides her research and teaching assistant activities at North Carolina State University, she was an active gardener on campus at the community garden.



After moving to Oregon, she enrolled in the Master Gardener Program to familiarize and learn about gardening in the Pacific Northwest and to get involved in hands on community service opportunities. She loves spending her free time in her community garden plot and also enjoys meeting new people, cooking, hiking and shopping. Pukhraj is married and lives in Hillsboro with her husband.

Pukhraj Deol, Community and Urban Horticulture Instructor,
pukhraj.deol@oregonstate.edu
503-821-1124 (office)
503-309-2369 (cell)

Reminders about the OSU/Metro partnership

Thank you for helping to integrate the OSU/Metro partnership into your service as an MG providing research-based information on horticulture and household pests! Here is a friendly reminder that the generous financial support that we receive from Metro is helping us to increase our capacity to serve YOU, the Master Gardener community, and the general public. We really appreciate your support in this effort!

Please incorporate the following concepts into your service as a Master Gardener:

- **Provide the public with research-based information** that promotes sustainable gardening methods and practical solutions to their garden/landscape challenges.
- **Use the process of Integrated Pest Management (IPM)** focusing on: 1) cultural and physical 2) biological and 3) chemical methods of pest control.
- **Freely distribute materials-** the accordion brochure, seed packs, and other publications.
- **Use the 'Master Gardener clinic filed guide'*** document for guidance on resources.
- **Inform clients about the two coupons** in the accordion pack.
- **Offer the Healthy lawn and garden pledge** to clients; **facilitate the pledge** with interested parties; **collect pledge** cards and deposit in collection envelopes provided.
- **Get contact information from clients** interested in receiving the Metro/OSU monthly electronic newsletter for the general public:
- **Use the 'Home garden pesticides uses and hazards'*** to **discern and communicate** the relative hazard of various garden chemical.
- **Provide us with feedback** how your experience with these resources and procedures.
- **Have fun and THANK YOU for your service!!!**
(* Distributed at the 2013 MG training, April 6 recertification, and available at the phone clinics and in the remote clinic boxes.)

All the best,
Weston
weston.miller@oregonstate.edu 503-706-9193

OPPORTUNITIES FROM JORDIS

503-650-3118 or Jordis.Yost@oregonstate.edu

2013 TRAINEES STAFF THE PHONE OFFICES

By this time, most of the trainees from the class of 2013 should have at least one shift on the phones or an orientation in anticipation of being in the offices. It is so rewarding to see the new energy and knowledge that each round of trainees brings to the table. When you combine this with the experience of our veterans...it's easy to see why OSU MGs have such a positive impact in our communities.

If you are a trainee that still needs to schedule a phone shift, don't let the season slip away without getting this incredibly valuable experience under your belts. Nothing quite compares with the learning potential available while on the phones.

To schedule a shift or ask questions, contact:

Joby Duggan for Clackamas Co. 503-650-2451 jobyduggan@gmail.com

Sally Campbell for Multnomah Co. 503-810-8717 sally.mult.phones@gmail.com

Heidi Nichols for Washington Co. 503-774-6888 heidinichols@comcast.net

(Special notes about the Washington County office...since shifts fill rather quickly in the two other offices, this would be a good time to mention some of the selling points of the Washington County office.

There is parking available in the large parking garage at Washington Street Conference Center at 225 S. First Ave. and there is easy accessibility from **public** transportation. The Hatfield Govt. Center Max station is right next to the building.)

Having trained OSU Master Gardener volunteers available to answer questions from the home gardener by phone and email is so unique these days...let's make sure that this resource stays alive and vital in our communities. Sign up for phone shifts today!

FARMERS' MARKETS

The month of May welcomes the opening of most of the local Farmers' Markets. Be sure to check in with the coordinators (see list in this Newsletter) and either get on the schedule or sign on as a substitute. As with the phones, there are plenty of opportunities to pick up some shifts as families plan vacations or reschedule due to visiting relatives.



- Great news....we are back at **Milwaukie Farmers' Mkt!** Contact Ellen Hanley ellenpoppy@aol.com

WATCH FOR EMAILS

As you may have noticed, there have been plenty of emailed opportunities sent out from our office this spring. These messages are often the best way to know what volunteer options are out there. Be sure to let our office know if your contact information changes.

2013 COORDINATOR LIST

❖ FARMERS' MARKETS

Beaverton – Karen Brandenburger 503-590-8562

Cedar Mill – Jack Gilliland 503-645-3798
(looking for a replacement in 2014)

Gresham – Jordis.yost@oregonstate.edu

Hillsboro – Kimberly Culbertson 503-681-9469

Hillsdale – (Sundays) Justin Dune 503-224-9833

Hollywood – Cathy Gibson gibcat2@comcast.net

King – (Sundays) Marilyn Kongslie 503-289-8889

Lake Oswego - Kathy Whitman 503-684-6403
kathywhitman@juno.com

Lents – (Sundays) Paula Corbridge 503-705-6949
(looking for a replacement for 2014)

Milwaukie (Sundays)
Ellen Hanley 503-266-4486 ellenpoppy@aol.com

Oregon City – Janet Weber 503-358-2821
weberjanet@hotmail.com

PSU – Jordis.yost@oregonstate.edu

Sherwood – Sandi Thompson 503-692-3478

Tigard (Sundays) Carole Watkins 503-639-0058

❖ OTHER CLINICS

Crystal Springs Rhododendron Garden
Pat Frobes 503-287-3166

Fall Home and Garden Show
Anita Marks anitamarks@frontier.com



New Seasons Market
Phyllis Groelle 503-222-5447

Portland Nursery Events
Holly Pederson
Holly.pederson@yahoo.com

Raleigh Hills Fred Meyer
Carol Grasvik 503-246-3978

Rose Test Garden Clinic
Jaime Kairis 503-502-3697 jlkairis@gmail.com

Pittock Mansion Clinic- Heather Kibbey 503-620-7239



Oregon Zoo
Rob Kappa 503-653-9575
Lynda Hess 503-775-5405

❖ SPEAKER BUREAU

Clackamas County – Rhonda Shoop 503-263-2358

Multnomah County – Linda Eggiman 254-1814
rleggiman@comcast.net

Washington County – www.metromastergardeners.org
Click on *Washington County*,
then, click on *Request a Speaker*

PHONES

Clackamas County Office –
Hotline # 503-655-8631
MG Schedule Coordinator -
Joby Duggan 503-632-2165
jobyduggan@gmail.com



Multnomah County Office
Hotline # 503-445-4608
MG Schedule Coordinator-
Sally Campbell # 503-810-8717
Sally.mult.phones@gmail.com

Washington County Office –
Hotline # 503-821-1150
MG Schedule Coordinator –
Heidi Nichols 503-774-6888
heidinichols@comcast.net

❖ FAIRS

Clackamas County Fair (Aug 13-18)
Maggie Van Fossen 503-786-0422
maggienvanfossan@gmail.com



Washington County Fair (July 25-28)
Bill Klug 503-681-0143 billklug@frontier.com

Oregon State Fair (Aug 23-Sept 2)
Sally Skinner sally_skinner@msn.com

❖ SHOWS OR TOURS

Rose Test Garden Tour Guide
Kimberly Bown 503-807-0754 waparkroses@gmail.com

Pittock Mansion Tour Guide
Heather Kibbey 503-620-7239 orkibbeys@aol.com

North Willamette Research Ctr. Tour Guide
Jordis Yost jordis.yost@oregonstate.edu

❖ HANDS ON

1860's Heritage Kitchen Garden - Champoege State Park
Ryan Sparks ryan.sparks@state.or.us 503-678-1251 x230

Doernbecher - Kids Garden Activities
CiCi Polson cicipolson@comcast.net 503-297-3038

Oregon Food Bank - Learning Garden / Wash. Co.
Lisa Waugh 971-230-1640 lwaugh@oregonfoodbank.org

End of the Oregon Trail Pioneer Garden
Margueritte Kosovich 503-631-4555

Spring Garden Fair – Volunteer Coordinator
Reta Suzanne ccmgsfvolunteer@gmail.com 503-853-6065

Blue Lake Natural Discovery Garden (METRO)
Jordis.yost@oregonstate.edu

4-28-13

Master Gardeners Make a Difference

Earlier this year it was all about roses! It has recently been brought to our attention about two metro Master Gardener stories that made the local news.



Master Gardener Will Hughes Photo credit: Oregonlive.com

First, Kimberly Bown participated at a 'spruce up' at the historic Sellwood Oak's Pioneer Church by doing some rose pruning. Read the story and get a lesson from Kimberly on rose pruning!

<http://portlandtribune.com/sb/75-features/135477-timely-tips-shared-at-sellwood-rose-pruning-party>

Next, Will Hughes, along with other Master Gardeners, helped tend the plants at the International Rose Test Garden.

<http://photos.oregonlive.com/oregonian/2013/04/after-nearly-90-years-of-growi-2.htm>

Great job Master Gardeners!

FYI.... Part of my reporting duties to OSU involve providing a list of stories about metro Master Gardener activities that have made the news If MG Chapters, or individuals make the news....please let us know! We want to brag about you to OSU!

*So, if there are stories in newspapers, magazine, radio, TV, online, vimeo, youtube, etc., that show the wonderful things Metro Master Gardeners do.....**please either send me the article or the information on how I can get it. Thanks!***

Margaret Bayne

Margaret.bayne@oregonstate.edu



The Greater Portland Iris Society

an affiliate of The American Iris Society Presents



IRIS SHOWS

Saturdays, May 4, 25
and June 22, 2013
Lloyd Center Mall
10:00 am to closing

IRIS PLANT SALE

Saturdays and Sundays
August 24 & 25 and
September 21 & 22, 2013
Portland Nursery, 5050 SE Stark
9:00am – 4:00pm

For more information go to the website: www.greaterportlandirissociety.org or call 503-668-9230 or 360-835-1016.

Natter's Notes

Azalea lace bugs

Jean R. Natter



A heavily damaged azalea will have a "ghostly" appearance (Photo: J. Natter)

be so heavily damaged that leaves become nearly white (above photo). Rhododendrons often display numerous, rather coarse, chlorotic (yellow) stipples.

The adult lace bugs are ornate insects about 1/8-inch long and are difficult to spot on leaves because their lace-like wings are transparent. The nymphs are smaller still, dark-colored and spiny.

Managing azaleas lace bugs can be challenging, in part because they have several generations per year. Beyond that, it's awkward to treat densely-leaved plants. It's important to monitor for both nymphs and adults through the growing season. Then, if a product is applied, ensure that the spray reaches the



Rhododendron leaves with stippling damage on the top, fecal deposits on the underside; 2009-08 (Photo: Jean Natter)

undersides of the leaves where the lace bugs live, feed, and speckle the undersides of leaves with shiny spots of their tar-like excrement.

It's important to differentiate the rather coarse stippling caused by lace bugs from the much finer version caused by spider mites. Mites also feed from the leaf underside but the stippling topside is very fine and they won't deposit black fecal material on the reverse.

Stressed plants are the most common victims. Azaleas in full or part sun are said to be twice as likely to be affected by lace bugs as their shaded companions. To help relieve stress, thin out individual plants to increase air circulation within the plant. Further, adjust irrigation as needed for good health. A general guideline is to provide a deep irrigation every 3 or 4 weeks through the dry months. Then, too, consider moving or replacing any shrubs which are in the wrong environment.

Clients continue to ask about how they can manage azalea lace bugs on their azaleas and/or rhododendrons. Early damage is revealed as leaf stippling, with chlorotic (light-colored) patches. Later on, damaged areas may bronze, giving the leaves a burnt, silvery appearance.

Azalea lace bugs (*Stephanitis pyrioides*) were officially recognized in Oregon about six years ago as serious pests of both azaleas and rhododendrons, sometimes *Pieris*. In contrast to damage from the previously existing rhododendron lace bug (*S. rhododendri*) which attack only rhododendrons, azalea lace bugs seriously disfigure both azaleas and rhododendrons with their piercing-sucking mouthparts. Azaleas may



Three adult lace bugs and numerous fecal spots on the underside of rhododendron leaves; 2009-08 (Photo: J. Natter)



Azalea leaves with damage from azalea lace bugs; 2008-09 (Photo: J. Natter)

Among the possible predators are azalea plant bug, tree crickets, earwigs, green lacewings, minute pirate bugs, and spiders. Rather than purchase natural enemies, rely on those which occur naturally on the site. If predators are purchased, green lacewings are the best bet.

Another option is to replace the most seriously affected plants with azaleas shown to be resistant to lace bugs in university trials. "Encore Azalea cultivars found to be resistant included: Autumn Amethyst, Autumn Twist, Autumn Royalty, Autumn Sangria,

Autumn Cheer, and Autumn Rouge. Cultivars showing moderate resistance were Autumn Embers, Autumn

Bravo, Autumn Starlite, Autumn Ruby, and Autumn Princess."

http://www.nurserymanagementonline.com/Encore_azalea_resistant_to_lace_bugs.aspx

Among the active ingredients currently listed in the PNW Insect Management Handbook are azadirachtin (neem), horticultural oil, insecticidal soap, spinosad, and the systemic ally active imidacloprid. Gardeners should repeat applications at intervals stated on the label to achieve reasonable control. A gardener must be unwavering and persistent to gain the upper hand.

The best use of horticultural oils is to thoroughly coat the undersides of the leaves to suffocate the over-wintering eggs which are laid in the leaf tissue alongside the midribs. The other suggested materials are applied during the growing season.



Cast skin of an azalea lace bug nymph (photo: C. Groth)

To keep ahead of azalea lace bugs during the growing season, monitor the plants and treat as soon as the bugs are present. Hatch usually occurs in late April, early May. Sprayed products provide good control when they contact the insects. To accomplish that, timing and placement of the product is critical. One must apply the material where the lace bugs live – the undersides of the leaves.

In summary, successful management of azalea lace bugs requires the entire management package, cultural and chemical:

1. Correct any adverse environmental conditions.
2. Apply horticultural oil to the undersides of leaves to smother the over-wintering eggs.
3. During the growing season, apply appropriate products against the nymphs and adults on the undersides of the leaves in a timely manner, repeating as directed on the label.

Resources

- PNW Insect Management Handbook (hardcopy or online at <http://uspest.org/pnw/insects>) lists azalea lace bug in the Landscape chapter
- "Azalea lace bug" at Pacific Northwest Nursery IPM includes an illustrated fact sheet for home gardeners (http://oregonstate.edu/dept/nurspest/azalea_lace_bug.htm)
- "Azalea lace bug" http://entomology.ifas.ufl.edu/creatures/orn/shrubs/azalea_lace_bug.htm

Community Garden Horticulture Training

New to vegetable gardening or just looking to improve your skills? Want to share your veggie production knowledge with others in the community?

This full-day training will be filled with field demonstrations, detailed handouts, some hands on training, and plenty of opportunities to ask questions and learn more about intensive vegetable production.

These topics will be covered:

- Soil Preparation
- Crop Planning
- Weed Management
- Crop Selection
- Pest Management
- Crop Rotation
- Season Extension
- Fall & Winter Gardening
- Cover Crops

Space is limited, so register soon!



Metro

Training details:

- Saturday May 11, 2013, 9:00am-3:00pm
- \$50 per person / \$90 for two registering together
- Please bring a sack lunch, water bottle, hat or sunscreen, gloves, and rain gear.
- Learning Gardens Lab 6801 SE 60th Ave. Portland, OR 97206

Contact: Jen Aron (503) 758-7386

earthjenn@gmail.com

To Register:

<https://secure.oregonstate.edu/osuext/register/559>

A green rectangular graphic containing a photo of Jen Aron, a woman wearing a wide-brimmed hat, and text describing her experience as a garden educator. Below the text are logos for OSU Extension Service, West Multnomah, and the City of Portland.

Instructor: Jen Aron has served as a garden educator since 2009, teaching for OSU Extension, Metro, PSU, and the City of Portland.

OSU Oregon State University Extension Service

WEST MULTNOMAH MULTNOMAH COUNTY DISTRICT

CITY OF PORTLAND

Royal Rosarian Rose Garden Contest

Are you proud of your ROSES? You should be; they're beautiful after the time, energy, and love you give them! Time to gain your roses some recognition by entering the 2013 **Royal Rosarian Rose Garden Contest**. The Application Packet and Entry Form can be found on the Royal Rosarian website:

<http://www.royalrosarians.org/> The contest information is found in the drop down tab labelled "Foundation." Completed Entry Forms are due postmarked May 23rd. The Awards Ceremony takes place June 18th at the Washington Park International Test Garden. If you have any questions contact John Creegan at 503-293-5002



SAVE THE DATE for

Gardens in Senior Living Seminar

Sponsored by the Friends of the Portland Memory Garden

Friday, May 24, 2013

8:30 am – 5 pm

At

Legacy Health Systems
Good Samaritan Hospital
Portland, OR

- Learn about the benefits of how gardens and gardening programs serve senior citizens
- Hear current research that supports gardens in senior care services
- Learn about garden design elements, maintenance and administration
- Understand year-round indoor and outdoor gardening program for in-home and senior facilities
- Meet others who are in the field of horticulture, senior care, and program activities

For registration info contact:

Patty Cassidy

friendsprng@comcast.net

503-239-9174



FREE VERTICAL GARDEN SEMINARS, SUMMER 2013

Oregon City, OR —Philip Yates, life-long gardener and owner of the Singer Hill Café in historic Oregon City, is offering four free one-hour seminars this summer on vertical gardening. Phil has been building vertical gardens since the spring of 2009. There are now 1,500 square feet of these gardens inside and outside the Cafe. Come and listen to what Phil has to say about do-it-yourself building and maintenance of these gardens. Each seminar will cover construction and installation processes, plants, drainage and upkeep.

WHAT: **Vertical Garden Seminars**

WHERE: **The Art Garden at Singer Hill Café in historic Oregon City (623 7th St. Oregon City, OR 97045)**

DATES: **The last Sundays in May, June, July, and August: (May 26th, June 30th, July 28th, and August 25th.)**



TIME: **3:00 – 4:00 PM**

FOR WHOM: **Anyone interested in learning more about Vertical Gardens.**

Seminars will cover construction, installation, maintenance, drainage, plants, and Q & A

COST: **Free**

CONTACT: **Betsy Yates, Singer Hill Café** etsy@singerhill.com

Internet Essentials for Master Gardeners

(Computer training sponsored by the Metro Master Gardener Program)

Gain Internet skills in a hands-on class w/ a PC computer
 Choose one or two 3-hour classes
Every student has a computer

Date	Site	9 to noon	1 to 4 PM
June 1	PCC, SE*	PNW Handbooks (Disease; Insect: Weed)	MG Referral Forum (Upload Referrals & Images)
September 21	PCC, Rock Creek**	MG Referral Forum (Upload Referrals & Images)	PNW Handbooks (Disease; Insect: Weed)
October 12	Clackamas College***	PNW Handbooks (Disease; Insect: Weed)	MG Referral Forum (Upload Referrals & Images)

* PCC, SE Center: 2305 SE 82nd and Division, Portland, OR 97216

**PCC, Rock Creek: 17705 NW Springville Rd. Portland, OR 97229

*** Clackamas Community College: 19600
 Molalla Avenue, Oregon City 97045

Two different classes

- The online PNW Handbooks
- MG Referral Forum: How to Upload Referrals & Images

-- Space still available for every class --



Pre-register with Jean Natter; J.R.Natter@aol.com or 503-645-7073.

Please provide the following:

1. Your name and phone number
2. Date(s) and time of session(s) you will attend

-- Donation of \$2 per class to cover cost of handouts --

HORTICULTURAL CALENDAR

FOR THE METRO AREA

- May 4 Multnomah County, Incredible Edibles Plant Sale
- May 4 & 5 Clackamas County, Spring Garden Fair
- May 4 Villa Garden Club Plant Sale, Parkrose Community Church, 12505 NE Halsey St, Portland, 8 am – 4:30 pm
- May 4, 25, June 22
Portland Iris Society Plant Sale and Shows
- May 7 Washington County, Paul Taylor - Designing the Side Yard
- May 8 Washington County, Red Ridge Farm Field Trip
- May 11 Community Garden Horticulture Training
- May 13 Clackamas County Chapter, Sarah Patterson – “Sowing Seeds”
- May 14 Multnomah County Chapter, Harry Olson – “Taking Veggie Gardening to New Heights”
- May 21 Washington County, Tomato Planting
- May 23 Royal Rosarian Rose Garden Contest deadline
- May 24 Gardens in Senior Living Seminar
- May 26, June 30, July 28 & August 25
Vertical Gardening Seminar
- May 31 Clackamas County Chapter, Seed Propagation Workshop
- June 1, September 21, October 12
Internet Essentials for Master Gardeners
- June 10 Clackamas County Chapter, Laura King and Kathleen McMullen – “Pioneer Roses of Old Clackamas County”
- July 8 Clackamas County Chapter, Garden Tour at Hopkins Demonstration Forest
- July 7-9 OMGA Mini-college
- July 20 Washington County, Beer, Bratwurst & Bluegrass
- July 25-28 Washington County, “Garden Thyme” at the Demo Garden
- August 7-9 OMGA Mini-College, OSU Campus
- August 12 Clackamas County Chapter picnic
- October 12 Clackamas County Chapter, Fall into Gardening
- November 9 Fall Recertification Training, Clackamas Community College



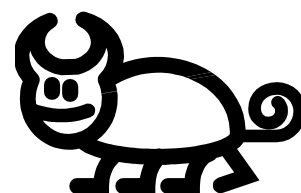
The monthly gardening calendars are produced by OSU Extension. Each calendar provides reminders of key garden chores, such as fertilizing, pest control, planting, and maintenance. Recommendations in this calendar are not necessarily applicable to all areas of Oregon. For more information, [contact your local Extension office](#).

Sustainable gardening

Oregon State University Extension Service encourages sustainable gardening practices.

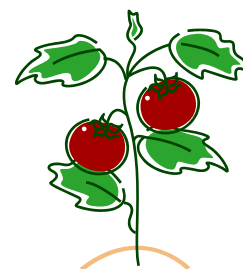
Preventative pest management is emphasized over reactive pest control. Identify and monitor problems before acting, and opt for the least toxic approach that will remedy the problem.

- First consider cultural, and then physical controls. The conservation of biological control agents (predators, parasitoids) should be favored over the purchase and release of biological controls.
- Use chemical controls only when necessary, only after identifying a pest problem, and only after thoroughly reading the pesticide label. Least-toxic choices include insecticidal soaps, horticultural oils, botanical insecticides, organic and synthetic pesticides — when used judiciously.



Planning

- Prepare and prime irrigation system for summer.
- Use a soil thermometer to help you know when to plant vegetables. Wait until the soil is consistently above 70°F to plant tomatoes, squash, melons, peppers and eggplant.
- Place pheromone traps in apple trees to detect presence of codling moth. Plan a control program of sprays, baits, or predators when moths are found.



Maintenance and Clean Up

- If needed, fertilize rhododendrons and azaleas with acid-type fertilizer. If established and healthy, their nutrient needs should be minimal. Remove spent blossoms.
- When selecting new roses, choose plants labeled for resistance to diseases. Fertilize roses and control rose diseases such as mildew with a registered fungicide.

Planting/Propagation

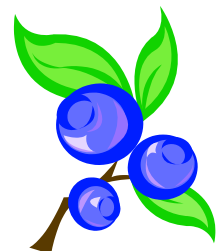
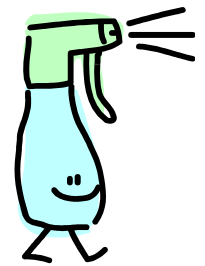
- Plant dahlias, gladioli, and tuberous begonias in mid-May.
- Plant chrysanthemums for fall color.
- Plant these vegetables (dates vary locally; check with local gardeners):
 - **Oregon coast:** snap beans, broccoli, Brussels sprouts, cantaloupes, pickling cucumbers, dill, kale, parsnips, peppers, pumpkins, summer and winter squash, sweet corn, and tomatoes.
 - **Western Oregon:** mid-May, transplant tomato and pepper seedlings.
 - **Western valleys, Portland, Roseburg, Medford:** snap and lima beans, Brussels sprouts, cantaloupes, slicing and pickling cucumbers, dill, eggplant, kale, peppers, pumpkins, summer and winter squash, onions, potatoes, tomatoes, and watermelon.



- **Lower elevations, eastern Oregon (dates vary widely):** snap and lima beans, beets, celery, sweet corn, slicing and pickling cucumbers, dill, kale, kohlrabi, onions, parsley, parsnips, peppers, white potatoes, pumpkins, summer and winter squash, and tomatoes.
- **Central Oregon and higher elevations of Eastern Oregon:** direct seed carrots, corn (late May), chard, kohlrabi, and potatoes. Transplant Brussel sprouts, cauliflower, cucumbers (late May), leeks, or peppers.
- **Columbia and Snake River valleys, Ontario:** cantaloupes, dill, eggplant, kale, okra, peppers, sweet potatoes, tomatoes, and watermelon.

Pest Monitoring and Management

- If an unknown plant problem occurs, [contact your local Master Gardener hotline](#) or plant clinic, for identification and future management options.
- Manage weeds while they are small and actively growing with light cultivation or herbicides. Once the weed has gone to bud, herbicides are less effective.
- Trap moles and gophers as new mounds appear.
- Leafrolling worms may affect apples and blueberries. Prune off and destroy affected leaves.
- Monitor aphids on strawberries and ornamentals. If present, control options include washing off with water, hand removal, or using registered insecticides labeled for the problem plant. Read and follow all label directions prior to using insecticides. Promoting natural enemies (predators and parasitoids that eat or kill insects) is a longer-term solution for insect control in gardens.
- Spittle bugs may appear on ornamental plants as foam on stems. In most cases, they don't require management. If desired, wash off with water or use insecticidal soap as a contact spray. Read and follow label directions when using insecticides, including insecticidal soap.
- Control cabbage worms in cabbage and cauliflower, 12-spotted cucumber beetle in beans and lettuce, and maggot in radishes. Control can involve hand removal, placing barrier screen over newly planted rows, or spraying or dusting with registered pesticides, labeled for use on the problem plant. Read and follow label directions when using insecticides.
- Tiny holes in foliage and shiny, black beetles on tomato, beets, radishes, and potato indicate flea beetle attack. Treat with Neem, Bt-s, or use nematodes for larvae. Read and follow label directions when using insecticides.
- Prevent root maggots when planting cole crops (cabbage, broccoli, collards and kale) by covering with row covers or screens, or by applying appropriate insecticides.
- Monitor rhododendrons, azaleas, primroses and other broadleaf ornamentals for adult root weevils. Look for fresh evidence of feeding (notching at leaf edges). Try sticky trap products on plant trunks to trap adult weevils. Protect against damaging the bark by applying the sticky material on a 4-inch wide band of poly sheeting or burlap wrapped around the trunk. Mark plants now and manage with beneficial nematodes when soil temperatures are above 55°F. If root weevils are a consistent problem, consider removing plants and [choosing resistant varieties](#) (PDF).
- Control slugs with bait or traps and by removing or mowing vegetation near garden plots.
- Monitor blueberry, raspberry, strawberry and other plants that produce soft fruits and berries for Spotted Wing Drosophila (SWD). Learn [how to monitor for SWD flies and larval](#) infestations in fruit.





Clackamas County Chatter



The Oregon Master Gardener Association in Cooperation with
OSU Extension Service Master Gardener™ Program

MAY

2013

May Chapter Meeting

Monday, May 13, 2013, 7 p.m.

Milwaukie Center, 5440 SE Kellogg Creek Dr., Milwaukie

Sowing Seeds: Sarah Patterson

Sarah Patterson will discuss the Lettuce Grow Foundation, a non-profit established to develop and transform gardens inside Oregon correctional facilities. Using OSU Master Gardener Program guidelines and the Oregon Food Bank's Seed to Supper classes, over 50 inmates graduated from the program in 2012.

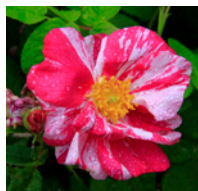


Sarah Patterson is an attorney, an OSU Master Gardener, and the director of Lettuce Grow Garden Foundation. Come hear how this exciting program has evolved.

June Program

Monday, June 10, 2013

Pioneer Roses of Old Clackamas County



The Oregon pioneers brought many useful items with them, including beautiful roses. Northwest rose historians Laura King and Kathleen McMullen will share tales of efforts to collect old pioneer roses as well as their work with Master Gardeners at the End of the Oregon Trail Pioneer Rose Garden.

Green Glove

The Green Glove Award winner for April was Harry Wise for his many contributions to the Chapter and for his impromptu help at Tree School where he stepped in for Elizabeth Howley as an instructor. Congratulations, Harry.

Program notes from our March meeting; Pollinators in the Garden. Follow the links below for the resources mentioned in Gail Langellotto's talk:

[CCMGA Pollinators 2013 Handout: listing of pollinators, best practices and resources.](#)

[OSU Extension Yamhill County Native Plant Gardening](#)

[List of recommended native plants for home gardens in Western Oregon.](#)

Chapter Events in 2013

- **May 4 & 5** - Spring Garden Fair
- **May 31**- Seed Propagation Workshop
- **July 8** - Garden Tour at Hopkins Demonstration Forest
- **August 7,8,9** - OMGA Mini College
- **August 12** - Chapter Picnic

Spring Garden Fair

It is time for the 29th Spring Garden Fair, and it promises to be as great as ever. Join us Saturday, May 4, 9 am- 5pm & Sunday, May 5, 9 a.m.- 4 p.m. There will be close to 200 vendors with plant items of every description, good food, a potting station, a Master Gardener clinic, 10-Minute University™ presentations, and various exhibits. Be sure to tell your friends about this awesome event, and if you are on Facebook join the Spring Garden Fair page and keep up with the latest info.



Click for the [Spring Garden Fair Facebook Page](#); and our chapter's Spring Garden Fair Page: [www.cmastergardeners.org/SprinGardenFair.](http://www.cmastergardeners.org/SprinGardenFair)



*Did you know you can find photo albums of past events on our webpage? Just click **For our Members**>scroll to **Photographers Page** in the list & click>choose the album you want to view. *It's that easy!**

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OSU Master Gardeners:<http://extension.oregonstate.edu/mg> Clackamas County Master Gardeners : www.cmastergardeners.org

Multnomah County Grapevine

In cooperation with the OSU Extension Service Master Gardener™ Program

Multnomah County Chapter of the Oregon Master Gardener™ Association presents

Plant. Grow. Eat.

Incredible Edibles Plant Sale, Saturday, May 4th

Speaker Series
Tuesday, May 14th, 7pm
5441 SE Belmont Street
Speaker: Harry Olson
Taking Veggie Gardening to New Heights

Strawberry Fields Forever!

New! for sale this year. Try your hand with these sweet treats—two great strawberries that provide two crops each year.



Tri-Star was "excellent" in OSU taste tests and Albion is tops for containers of all kinds. Both are disease resistant and perfect for the urban gardener.

Incredible Raffle Prizes!

Buy raffle tickets at the sale for a chance to win some great prizes, all thanks to our generous donors.

- A GreenBed raised garden bed system, www.greenbed.net
- A 2 night stay at Portland Urban Cottage, www.portlandurbancottage.com
- Gift cards to local sustainably-minded restaurants, garden gear, and more!

Embrace homegrown goodness at the 2nd annual **Incredible Edibles Plant Sale—Saturday, May 4th, 10:00 am to 3:00 pm**, at **Our Lady of Sorrows, 5329 SE Woodstock Blvd., Portland**. This is your opportunity to buy organic veggie starts and herbs for your home garden so you can harvest nutritious, fresh-picked goodness for your table!

The **Incredible Edibles Plant Sale** offers a luscious array of local, organically-grown, vegetable starts. You'll find both heirlooms and hybrids among our proven varieties of tomatoes, peppers, cukes, eggplants, squash, herbs and more! Varieties offered have been specially

selected for their ability to thrive in our area.

Attract beneficial insects by purchasing some of the beautiful annuals grown by our Community Demonstration Garden crew.

Visit our **Gardeners' Goods** booth to pick up **Atlas Garden Gloves (at a great special sale price of \$5)**, a packet or two of our beautiful garden note cards or, on the practical side, get a 12-foot wide 1/2 oz./yd row cover to protect your new veggie starts from frost, insects, and birds.

Portland Homestead Supply Co. will be offering a terrific selection of soil amendments, fertilizers, tools, books, and seeds to get your garden growing!

Plant. Grow. Eat. educational workshops will be scheduled throughout the day to inspire and inform.

[Click here](#) for all the Incredible details including a shopping list of the wonderful veggies you will find at the sale.

Incredible Entertainment



Fun, lively, musical entertainment will add to our celebration.

[The Waking Guild](#), a whimsical chamber ensemble, includes fellow MG Jason Oneill-Butler. Also the singer/songwriter duo of [Samsel and the Skirt](#), with a wonderful blend of musical conversations.

Taking Veggie Gardening to New Heights

Urban gardeners face unique challenges. Space and growing conditions require new techniques. Our May Speaker Series brings Marion County Master Gardener, Harry Olson, who will show you

ways to optimize your urban garden to maximize space, production and plant presentation. Gardening doesn't have to be "hard" if we garden "smart". You will learn how to grow fruits and vegetables you didn't

think you had room for or were too difficult in our climate. You will be inspired to get an early start in your garden and put these techniques to use.



Chapter Website—www.metromastergardeners.org/multnomah/

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Washington County Chapter Chat

In cooperation with OSU Extension Service Master Gardener™ Program

May 2013

May Chapter Meeting

Tuesday, May 7 6:30 pm social time, 6:45 pm chapter meeting, 7:15 public lecture. First Baptist Church, 5755 SW Erickson Avenue, Beaverton.

TOPIC: Designing the Side Yard

SPEAKER: Paul Taylor, OCNP Garden Design

Paul will share some of his designs and discuss what he considers important about the design process. Join us for an enjoyable evening of learning how to creatively tie together front and back yards.

Paul studied landscape architecture at Oregon State University and has been designing gardens for homeowners for 15 years. He's been a Washington County master gardener for 10 years. In his blog Paul observes, "I love plants, art, and getting to be creative."

Saluting Training Helpers

For the past seven years, **Diana Gaydon** has volunteered as class coordinator for the OSU Master Gardener Training. She and her team of MG veterans make sure the facility is ready and support the instructional program in other valuable ways.

At the April Chapter meeting, Vice President Jacki Lindquist honored Diana and her team leaders. Diana, who's leaving her post, received an engraved crystal clock acknowledging her loyal support of MG training.

Team leaders recognized:

Hospitality **Mary Lidberg, Joann Caruthers**
Greeters **Bill Greer, Gini Lang**
Room set-up **Jacki Lindquist**
Facility **Cherle Douglas**
Volunteer speakers **Jean Natter, Lynn Cox**
Noon chats **Rhonda Taylor**

(Real) hats were passed to recognize **Trina Studebaker** succeeding Diana and **Bruce Gardener** assuming the room set-up position for next year.

Group Exploring Second Demo Garden Sites

from Sandy Japely, president

When the call went out to survey interest in establishing a second WCMGA Demonstration Garden on the eastern side of Washington County, a whopping 32 people responded.

Fourteen of those interested showed up for a late afternoon meeting on April 16 to discuss criteria for development of the garden, and to identify a list of potential issues, budget needs and possible garden projects. A handful of possible sites were identified. It was agreed that a ½ to 1 acre site with room for future growth would be ideal. Several meeting attendees agreed to contact potential site owners and bring findings to the next meeting scheduled for May.

MG's Win Grants for Community Gardens

Three community gardens are starting up or continuing to thrive, thanks to the support of our master gardeners and funds from the 2013 WCMGA Community Grants program.

A second round of grant applications are being accepted. See: <http://www.washingtoncountymastergardeners.org/MembersPage.html>.

Congratulations to the successful grant applicants and their projects:

MG Cheryl Dawson – \$1000 to build and operate the Aloha United Methodist Church Community Garden. A portion of the produce grown will supply the church's emergency food pantry.

MG Tim Lanfri - \$900 to double the size (from 6 to 12 raised beds) of the year-old community garden at St. James Episcopal Church in Tigard.

MG William Bennington - \$486 for irrigation needs and organic fertilizer for the second growing season of the 54 plot West Portland Community Garden at SW 46th & Taylors Ferry Rd. Also advising and gardening there is **MG Ruth Robinson**. Four plots are reserved for growing produce for the nearby Neighborhood House food pantry.

Looking Ahead...

- **May 7 & 14 Demo Garden Closed** – National Guard bivouac using fairgrounds.
- **May 8 Field trip to Red Ridge Farms, Dayton Or.**
RSVP by 4/26 to Joann Caruthers, joanelois@aol.com.
Thanks, **Joann, Ardis Schroeder, and Jan Jackman**, for arranging this personalized tour.
- **May 21 Tomato Planting 101 9:30 am Demonstration Garden**, Washington County Fair Complex, Hillsboro. Enter off 28th St.

Learn basics of planting tomatoes; get tips on maximizing growing season from "tomato guru" **Vern Vanderzanden**. Bonus: freshly-brewed compost tea available - \$2/gallon.
- **July 20 "Beer, Bratwurst & Bluegrass" (11th Annual WCMGA Potluck Picnic) 3-6 pm**
Hosts: Jane & Dick Miller,
17745 SW Cooper Mt. Lane, Beaverton
- **July 25-28 "Garden Thyme" at the Demo Garden** during the Washington County Fair. **Volunteer to help!**
- **August 7-9 OMGA Mini-College, OSU Campus**
Scholarships available. See schedule and speaker info at: <http://extension.oregonstate.edu/douglas-county-oregon-master-gardeners>.

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May 2013 MASTER GARDENER NEWSLETTER



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