



Metro Master Gardener™ Newsletter

June 2014

OSU Extension Service

Metro Master Gardener™ Program

<http://extension.oregonstate.edu/mg/metro/>

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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MG program updates from Weston

It is not often that I shamelessly promote my professional accomplishments, but I feel compelled to share with the Master Gardener community that I have successfully been promoted from Assistant Professor to Associate Professor as part of OSU's promotion process. As an academic institution, OSU takes this process very seriously, and it has taken nearly nine months from the time I submitted my materials to the Department of Horticulture until I received word that I did indeed satisfy the requirements for this promotion. I am very proud of my accomplishments to date at OSU and am also proud of how I presented the body of my work at OSU for promotion. If you are interested in seeing how I made my case for promotion, check out the [Candidate's Statement](#) that I prepared. I look forward to continued service at OSU and to helping to steward the MG program into the future!



Also, I'd like to extend a big THANK YOU to Master Gardener volunteers Sherry Sheng and Sandy Japely who recently facilitated a strategic planning process for the MG program in the Portland metro area. Through surveys, focused interviews, and a facilitated meeting, many ideas have emerged about how we can focus the MG program and help grow the program into the future. The MG program team has much to consider as we absorb this rich feedback and start to plan for the 2015 MG training and beyond. Stay tuned for more details!



Opportunities from Jordis

503-650-3118 or jordis.yost@oregonstate.edu

VOLUNTEER HOURS

I have received a number of questions from MGs as they navigate this volunteer maze. I thought it might be time for a refresher on two of the most commonly asked questions.

- **I'm having trouble getting scheduled in activities and time is running out.**

Now is the time of year for most activities to begin in earnest. There are over 600 of you trying to get spots in events that may only need a dozen MGs. We have some on-going clinics that can always use more MGs...the Rose Garden, for example.

There are also 'work party' type activities at the following:

- **Crystal Springs Rhododendron Garden** - Every Wednesday, 9:00 am – 12:00 noon, no advanced training or notice required. Meet at the Coolhouse - the Quonset style building at the far end of the Garden near the public restrooms. We weed, plant, mulch, prune, rake - just about everything. Bring your own gloves. We have most of the tools you'll need, but you're welcome to bring your favorites. The Garden is located in Portland on SE 28th between SE Steele and SE Woodstock. Parking is available at the entrance to the Garden on SE 28th. For more information email CSRGVOL@me.com
- **Washington Park International Rose Garden** - Orientation session is approaching on June 3! You only need to attend one. We meet at the wooden kiosk below the parking area at 9:00 am. The orientation session includes a tour of the garden and should run until approximately 11:00 am. If you intend to be a regular volunteer at the garden, parking waivers are available and will be at the orientation session.
- **Peninsula Park Rose Garden** - Starting June 9, every Monday, Wednesday and Friday, 9:00 am -12:00 noon, deadheading among the roses. Orientation for newcomers will be held June 4 and June 6 from 9:00 - 10:00 am. If you can't make one of the orientations, you're still welcome - we'll get you up to speed. Bring your own gloves. Pruners will be supplied, but you're welcome to bring your own. On Fridays, we stop for a snack at 10:00 am and chat about rose care and general gardening issues. Meet in the Garden which is on N Ainsworth between N Kerby and N Albina. There is ample on-street parking. For more information email penrosevolunteers@gmail.com

FYI

- **Do I need to certify every year?** Yes, MGs are required to take 12 hours of recertification training or take a recertification test each year that they plan to volunteer. This requirement begins the third year of participation for new trainees. Example...if you trained in 2014, you need to have your 12 hours or recertification completed for the 2016 garden year and then each year after in preparation for volunteering during the garden season (April – September). See message from Margaret about adjusted requirements for 2014.
- **How do I track my volunteer hours?** Use the form that we provided in class, or on our website. <http://www.metroastergardeners.org/downloads/>

Even if you are registered for some activities on Cervis, you still need to record all your hours on a log sheet and return to the Program office Oct. 1. You can use Cervis to gather some volunteer information, but don't forget the many hours spent on other non-Cervis opportunities.

SUMMER OPPORTUNITIES

Demonstration Gardens – Master Gardeners love working in the soil and we have several demonstration sites that are great places to showcase our skills or harvest food.

Clackamas Co – Hopkins Demonstration Forest, **Carol Koshkarian 503-632-5001**

'Grow-An-Extra-Row' Project at Clackamas Community College – **Rob Folse 503-682-5835**

Multnomah County MGs have a beautiful and productive site in Southeast Portland. Contact **Heidi Nichols** heidinichols@comcast.net or **503-774-6888** or **Jean Edmison** housejem@aol.com or **503-771-2486**.

Washington County MGs have a wonderful and well established demonstration garden at the Washington County Fairplex Contact **Bob Campbell** rac223@hotmail.com or **503-691-6708**

Work parties are usually on a **new site at the Jenkins Estate** on Thursdays, 10:00 am to 1:00 pm at the Learning Garden at Jenkins Estate (209th at Grabhorn/Farmington Road, Beaverton). Contact **Sandy Japely** sjapely@comcast.net or **503-644-2637**

Oregon Trail Interpretive Center–There is a super team of MGs doing some really interesting things at this learning site. Call Margueritte to see how you can join the fun! **Margueritte Kosovich 503-631-4555**

1860's Kitchen Garden–Champoeg State Heritage Area. This is a lovely hands-on garden that also provides a lot of education for the many people that visit at this Oregon State Park. Call **Ryan Sparks** ryan.sparks@state.or.us

...also, the Farmers' Markets – We are currently at Beaverton, Cedar Mill, Gresham, Hillsboro, Hillsdale, King, Lake Oswego, Lents, Milwaukie, Oregon City, Sherwood, and Tigard. Check out Cervis to get scheduled.

Remember...shifts are constantly changing. You may have seen on Cervis that all spots for a particular event were full, but if you check back periodically, you will see that shifts may have opened up.



Joby Duggan at Hopkins



Multnomah Demonstration Garden



Kitchen garden at Champoeg State Heritage Area.

Messages from Margaret...

VETERAN MASTER GARDENER RECERTIFICATION

As you know, we had to cancel this year's spring MG Recertification training at PCC Rock Creek because of scheduling conflicts. For those MGs who had counted on the spring recertification training to complete their recertification hours, we will waive these six hours. Master Gardeners will only need to record six hours on their volunteer log sheets that are due October 1, 2014. **Please note: this waiver is only for this gardening year.** So starting October 1, 2014, veteran MGs need to begin working on accruing 12 hours of recertification training and record those hours on your 2015 volunteer log sheet.

Also, upon discussion with our MG team and MG advisory group, we have decided that we will offer the full day MG recertification training ***only once a year in the fall***, alternating between PCC Rock Creek near Hillsboro and Clackamas Community College in Oregon City. This fall the training is scheduled at **PCC Rock Creek for Saturday, November 15, 2014.**

Reasoning behind this change:

- There are now numerous other veteran recertification opportunities available to Master Gardeners. **Most notably, the MG Chapters have made a tremendous effort to provide many high quality speakers and trainings that now qualify as vet recertification.**
 - Most classes at mini-college in Corvallis now count towards recertification.
 - There are many opportunities provided by other agencies/schools (e.g. classes at PCC Rock Creek, CCC, Soil School at Lewis and Clark College, etc.)
 - There is a take-home test for those unable to attend any recertification opportunities.
- We are sensitive to the fact that the Chapters have many fundraising events around the same time, and there has always been difficulty in scheduling spring recertification to avoid conflicts with these events (e.g. WCMGA Plant Sale, Spring Garden Fair and Incredible Edibles plant sale.)
- There have also been conflicts with holidays (e.g. Easter and Passover,) and other events such as the Hardy Plant Society Plant Sale forcing many Master Gardeners to not attend spring recertification.
- Spring recertification training took place just after Intern training classes and right before our preparation for spring clinics. It has always been bad timing for staff and faculty to organize the recertification training.

I will continue to list the upcoming recertification opportunities in our monthly MG newsletter...

Some Upcoming Recertification opportunities, workshops, and classes...

- June 3 "Identifying Conifers", First Baptist Church, Beaverton, WCMGA speaker Series:
<http://metromastergardeners.org/washington/washspeakers.php>
- June 3 "Espalier and Dwarf Fruit Tree Pruning", Demo Garden Seminar, Washington County Fair Complex, Hillsboro: <http://metromastergardeners.org/washington/washevents.php>
- June 4 "Fruit Harvest How-Tos", Monica Maggio, Commons @ TaborSpace. Fee attached:
<http://corefruitinstitute.com/>
- June 9 "Impact of Urban Trees", Milwaukie Center, Milwaukie, CCMGA Speaker Series:
<http://www.cmastergardeners.org/free%20events/monthlyLectures.htm>
- June 10 "Adaptive Gardening: Gardening Made Easier", Demo Garden Seminar, Washington County Fair Complex, Hillsboro: <http://metromastergardeners.org/washington/washevents.php>
- June 19 "Culinary Herbs", In the Garden Series, Learning Garden at Jenkins Estate, Beaverton:
<http://metromastergardeners.org/washington/washevents.php>
- June 21 "Maximizing Your Vegetable Garden Harvest", Learning Garden at Jenkins Estate, Beaverton:
<http://metromastergardeners.org/washington/washevents.php>

June 21 “Year-round Vegetable Gardening”, Hillsboro Library, Hillsboro:
<http://metromastergardeners.org/washington/washevents.php>

June 25 “Planning and Planting for Year-round Harvests”, Demo Garden Seminar, Washington County Fair Complex: <http://metromastergardeners.org/washington/washevents.php>

“Plant Disease Diagnosis Certificate” An online Master Gardener Short Course, OSU. Fee attached.
<https://pace.oregonstate.edu/catalog/plant-disease-diagnosis-certificate>

“Landscaping with Native Plants”, An online Master Gardener Short Course, OSU. Fee attached.
<https://pace.oregonstate.edu/catalog/landscaping-native-plants>

“Systematic Approach to Plant Problem Diagnosis” An online Master Gardener Short Course, OSU. Fee attached.
<https://pace.oregonstate.edu/catalog/systematic-approach-plant-problem-diagnosis>

“Cultural Causes of Plant Problems” An online Master Gardener Short Course, OSU. Fee attached.
<https://pace.oregonstate.edu/catalog/cultural-causes-plant-problems>

“Master Gardener Short Course Series”. Choose from: Botany (free), or (others, a fee attached) Soils and Compost, Vegetable Gardening, Introduction to Entomology, Plant Pathology, Understanding Pesticides, Integrated Pest Management (IPM), Woody Landscape Plants: <https://pace.oregonstate.edu/catalog/master-gardener-online-short-course-series#courses-section>

VOLUNTEERING OPPORTUNITY REMINDER:

Master Gardeners are very popular! This time of year we receive many requests for MGs to participate in outreach activities, even requests from Master Gardeners themselves. We currently have over 100 pre-approved MG program, chapter, and individual outreach activities.

Before a project can be accepted as a volunteer activity for Master Gardeners, it needs to be planned in accordance with MG Program Guidelines with certain criteria being met. We have an application for you to complete to seek approval from the MG Program. Please feel free to contact me about the application process:

- if you have an activity/event that you would like see Master Gardeners volunteer for, or,
- if you have been approached by an individual, individuals or an organization, either as an individual MG, group of MGs or a chapter, to *participate in a new activity/event* or,
- if there is a change to *an existing MG program pre-approved activity/event*.

This application requirement is for ***any event*** where you, a group, or a chapter is planning to ***represent yourself as a Master Gardener***. Please contact me to find out how to proceed:
margaret.bayne@oregonstate.edu, 503-650-3126.

Thanks for your cooperation!

Natter's Notes

Tomatoes & Herbicides

Jean R. Natter

Tomatoes top the list of gardeners' favorite home-grown vegetables. So when gardeners see any sort of spots, blotches, wilting and more on their treasures, they jump into action. Everything stops until the problem is resolved.

Several herbicides top still another list of favorites. Most often mentioned are 2,4-D and glyphosate, the latter the active ingredient in Roundup, Kleenup and certain other products.

When you merge those two lists, you have conditions for a perfect storm because tomatoes are *extremely sensitive* to herbicides. Damage can result from as little as 1/150th of a dose. Plants may recover but fruit yield is typically reduced.

Herbicide damage to tomatoes

Unintended damage to desirable plants may occur via over-spray; volatilization; drift (a breeze or the wind); or spray turbulence; or if a sprayer used to apply an insecticide or fungicide was previously used for herbicides.

Damage from glyphosate

Let's discuss glyphosate first, in part because the distinctive symptoms of glyphosate damage make the diagnosis easy. Gardeners say the new growth is yellow often a bright, knock-your-eye-out, yellow. (Fig 1)

Glyphosate affects non-target plants when it moves from somewhere else; the conditions were too breezy during spraying; and/or the sprayer being used to apply a fungicide or insecticide previously held glyphosate.

Damage from 2,4-D and other phenoxy herbicides

2,4-D and its allies in the group of phenoxy herbicides are selective for broad-leaf plants and, as such, are common in lawn care products. Others in the group include dicamba, MCPP, and MCPA. Some volatilize when temperatures rise, then drift off target via a breeze.



Figure 1: Bright yellow coloration typical of glyphosate damage is displayed first in the cells at the base of tomato leaflets; successively newer leaves will be entirely yellow.



Figure 2: Symptoms of 2,4-D damage on tomatoes include twisted and flattened leaves, sometimes beyond recognition.



Figure 3: Sometimes an irregular bumpiness of the stems is a key symptom of exposure to phenoxy herbicides such as 2,4-D; these bumps are different from root initials.

Phenoxy herbicides act like plant growth hormones. Absorbed through the leaves of broadleaf plants, these active ingredients move to the growing points. When applied full strength, the plant is said to “grow to death.” Lower doses cup leaf edges downward, leaves and stems distort or are thickened, and/or seriously deformed. (See images in the Common Herbicide section of *Landscape Plant Problems*, a spiral-bound book published by WSU that’s in every metro MG office.)

With phenoxy herbicides, gardeners may report new growth with one or more of the following: stunted, curled, thickened, leathery, stiff, stringy, fern-like, twisted, brittle, or cupped foliage. (Figs 2 and 3) On occasion, leaves look wilted but don’t perk up when watered, an effect called epinasty. (Fig 4)

Virus disease can mimic damage from phenoxy materials. In my experience, virused tomatoes are uncommon in home gardens, far less common than the occurrence of herbicide damage. Virus infected plants continue to show deformed growth throughout their lives, often becoming worse with time, whereas plants may grow out of phenoxy damage. Virus diseases to rule out include curly top virus and tobacco mosaic virus.

Damage from herbicide carry-over in organic matter

Troubles began for one local gardener in mid-May of this year after tomatoes she had started from seed were transplanted into larger pots. New growth curled, twisted, and became brittle, just as if the plants were affected by a phenoxy herbicide, perhaps 2,4-D. The growing points on some plants didn’t resemble leaves at all. (Fig 5) It seems the client modified a commercial potting mix with mushroom compost. She is currently doing a bioassay to verify contamination in the compost.

Damage from carryover is a serious blow to gardeners trying to be as organic as possible. But trouble can arise from just about any manure and compost, even commercially packaged goods. Problems have been reported nationwide as well as from the UK and Europe.

Because such carryover contamination has been a continuing problem for a number of years, I now recommend that all gardeners bioassay all organic matter generated off-site. The assay is easy to do and only requires about a week of growing time. Fill 6 small pots with a 50-50 mix of “clean” potting mix and the suspected material, another 6 of only the potting mix; plant seeds of peas or radishes in each, and wait. Full details about the damage (as described above), assay, and how to manage any contaminated organic matter by actively composting it, are here: <http://puyallup.wsu.edu/soilmgmt/Clopyralid.html>.



Figure 4: Epinasty (a wilted appearance) is an early symptom of tomato plants affected by 2, 4-D and certain other herbicides; these plants also display moderate leaf distortion. Both symptoms occurred after the plants were placed in potting mix modified by adding mushroom compost which, unknown to the user, was contaminated with carryover herbicide.



Figure 5: Severely distorted terminal growth in a tomato grown in potting soil which was modified by adding mushroom compost which, unfortunately, was contaminated with carryover herbicide.

General guidelines for spraying

When applying pesticides of any kind, follow all label directions. Cautions include wearing personal safety gear; using a directed spray; and shielding desirable plants by surrounding the undesired plant with a bottomless box to prevent the spray droplets moving off-target.

Winds as low as 5 mph can move pesticide spray one mile away, but don't spray during dead calm for the reason listed in the table. These guidelines help estimate wind speed:

Wind condition	Wind speed	Description	Visible signs	Spraying
Still or dead calm	0 to 1.25 mph	Prone to evaporation and drift long after spraying is complete.	Smoke rises vertically	Don't spray
Gusty	Not applicable	Wind unpredictable; may indicate an inversion	Direction keeps changing	Don't spray
Light air	1.25 to 2 mph	Suitable for spraying	Direction shown by smoke	Spray
Light to gentle breeze	2 to 6 mph	Ideal for spraying	Leaves rustle; wind felt on face	Spray
High wind	6 to 10 mph		Small branches move; raises dust	Spray with caution or don't spray

Chart adapted from <http://www.omafra.gov.on.ca/english/crops/facts/11-001.htm>

Are tomatoes safe to eat?

Researching whether fruits from herbicide-affected plants are safe to eat yielded a disappointing dead-end. Here are a few thoughts (opinions?) I did find:

- If the herbicide isn't registered for use on tomatoes, don't eat the fruit.
- If the tomato plant has been affected by glyphosate, salvage the edible fruits immediately if desired but discard the plant.

For clients who want definite answers, I suggest they ask the manufacturer; contact info is on the label. In any event, the final decision belongs to the client.

Additional resources

- *Sustainable Gardening*, Chapter 17: Weed Management.
- *Herbicide Injury to Tomatoes* <http://ncsupdicblog.blogspot.com/2011/04/herbicide-injury-to-tomatoes.html>
- *PNW Weed Management Handbook: Weed Treatments and Times of Application for Home Vegetable Gardens* <http://pnwhandbooks.org/weed/horticultural/home-garden-and-landscape-management/weed-treatments-and-times-application-home-vegeta>
- *Glyphosate Damage on Tomatoes* includes a list of alternative herbicides. http://www.clemson.edu/extension/hgic/hot_topics/2010/07glyphosate.html
- Natter's Notes: *Herbicide Damage Galore* July/August 2009 <http://www.metromastergardeners.org/files/news/JulyAugust2009.pdf>
- Natter's Notes: *Tomato Abiotic Woes*, July 2012 <http://www.metromastergardeners.org/files/news/JulyAugust2012.pdf>

2014 OSU Metro Master Gardener™ Volunteer Log Sheet Totals

This form is intended for Metro area Master Gardener Program Volunteers only

INTERN MG _____ Year you became an MG _____ Would you like a Yearly Certificate of Appreciation? YES _____ NO _____
 VETERAN MG _____

NAME _____ EMAIL _____

ADDRESS _____ PHONE _____ COUNTY _____

Office Use Only

Date rec'd _____

VOLUNTEER HOURS						
Primary Activities	Support Activities	Veteran Recertification	Your Own Continuing Ed	Public Contacts	Lbs. of Produce Donated	Mileage (for your personal taxes)
TOTALS						

Interns 66 Total hours required (26 – OSU Metro MG Program Primary Activities plus 40 – Support Activities)
Veterans - 25 Total hours required (a minimum of 12 should be OSU Metro MG Program Primary Activities)

PRIMARY ACTIVITIES: *Describes Master Gardener's volunteering on behalf of OSU Extension at these pre-approved Metro MG Program primary activities only:* Phone clinics (in office and MG Dx work) and remote clinics (current partners at Farmers' markets, garden shows, fairs, garden centers, Zoo, Blue Lake, etc.) and Speaker's Bureau, 10-Minute University and Ask an Expert.

SUPPORT ACTIVITIES: *Describes other activities pre-approved by the Metro MG program staff that support or enhance the Metro Master Gardener program. Some include:* Demo garden work- (Chapter managed-Multnomah Co. Learning Garden Lab, Washington Co. fairgrounds, Clackamas Co. Grow an Extra Row), Extension managed sites (Hopkins Demonstration Forest, Clackamas Co. Ext. office), Chapter meetings (1 hour max: each meeting), Clackamas Spring Garden Fair (non-10 Minute University and clinic activities), Pittock Mansion (non-clinic), Rose Test Garden (non-clinic), Crystal Springs Rhododendron Garden, Peninsula Park, Portland Memory Garden, Oregon Food Bank, School and community gardens, MG Interest Group and NW/REC Curation Group, Starlight Parade, plant sales and plant check, MG Advisory Committees, activity/class coordinators, special skills work (office support, website & computer support), MG fundraising or promotional events. **Also includes:** youth or senior gardening activities, garden advisors for community groups or agencies, writing articles for MG newsletter, garden tours, Doernbecher, etc.

Contact program office for Criteria for Metro Master Gardener Project Selection form for any new project approval.

Services that Do Not Qualify as Volunteer Hours - service performed on behalf of another organization that has **not been pre-approved** by the metro MG program staff; attendance at training/classes for your own continuing education or attendance at spring or fall recertification classes or "**" MG training classes or any service or activity where you receive pay.

Public Contacts- list total numbers for all activities when possible. In most cases, activity/event coordinators submit public contact records.

Lbs. of Produce Donated- from your private garden or community garden. Make sure not to double report a group donation.

Mileage- Keep track of mileage for your own records. Check with IRS for deduction rates (hours traveled are not counted as MG volunteer hours.)

VETERAN RECERTIFICATION: List total hours (12 required or take test). Certification as a Master Gardener is valid for one year. Recertification is required annually. You are required to be recertified to participate as an MG in **any** outreach activity where the public is present. **Interns don't have to recertify for their first two years of volunteer service. Note:** Attendance at recertification trainings **does not** count towards your volunteer hours.

Recertification Classes at 2014 MG Training: Recertification Classes: Fall 2013: Spring 2014: ✓ Test: Other:
 (3 hours for each * training class) (Total hours) (6 hours) (6 hours) (completed) (Pre-approved hours)

Please note: You are only considered a volunteer by OSU by submitting your volunteer hours. 8/26/13 version

Attach all log sheets and mail to: MG Volunteer Hours, 200 Warner-Milne Rd., Oregon City, OR 97045 or Fax to 503-655-8636 by OCTOBER 1st.

2014 Master Gardener [™] Volunteer Log Sheet

This form is intended for metro area Master Gardener Program Volunteers only

VOLUNTEER HOURS

Date	Project or Activity Description and Location	Primary Activities	Support Activities	Veteran Recertification Classes/Training (Program approved)	Your own Continuing Education	Public Contacts	Lbs. of Produce Donated	Mileage(for your personal taxes)
Subtotals this page								

Add subtotals from all pages and transfer totals to front page. Thanks!

Please note: You are only considered a volunteer by OSU by submitting your volunteer hours. 8/26/13 version

Attach to front log sheet and mail to: MG Volunteer Hours, 200 Warner-Milne Rd, Oregon City, OR 97045 or Fax to 503-655-8636 by **OCTOBER 1st**.

HORTICULTURAL CALENDAR FOR THE METRO AREA

June 3	Washington Co. – Identifying Conifers*
June 3	Washington Co. – Espalier and Dwarf Fruit Tree Pruning*
June 4	Fruit Harvest How-To's http://corefruitinstitute.com/ *
June 9	Clackamas Co. – “Impact of Urban Trees”*
June 10	Multnomah Co. – Japanese Garden Influence
June 10	Washington Co. – Adaptive Gardening: Gardening Made Easier*
June 11	Washington Co. – Aboretum Field Trip
June 19	Washington Co. – “Culinary Herbs”*
June 21	Washington Co. – “Maximizing Your Vegetable Garden Harvest”*
June 21	“Year-round Vegetable Gardening”** (see page 6)
June 25	Washington Co. – “Planning and Planting for Year-round Harvests”*
July 8	Multnomah Co. – Preserving Tomatoes and the Laws of Salsa!
July 12 & 13	OMGA Mini College on the OSU campus http://extension.oregonstate.edu/mg/minicollege
July 14	Clackamas Co. – Tour of Vern Nelson’s garden
July 19	Washington Co. – Chapter Picnic
August 11	Clackamas Co. – Annual Chapter picnic
September 8	Clackamas Co. – Wildlife Viewing Opportunities on the National Wildlife Refuges along the Oregon Coast
October 11	Clackamas Co. – Fall into Gardening
October 13	Clackamas Co. – “The Art of Bonsai”
November 10	Clackamas Co. – “Weather and Gardening”
December 8	Clackamas Co. – “Designing & Equipping the Home Greenhouse



The County events can be found on chapter pages on pages 11, 12, and 13.

*These are recertification opportunities.

June Garden Calendar

Produced by OSU Extension, each month 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

The 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. The conservation of biological control agents (predators, parasitoids) should be favored over chemical controls.

Use chemical controls only when necessary and only after thoroughly reading the pesticide label. First consider cultural, then physical and biological controls. Choose the least-toxic options (insecticidal soaps, horticultural oils, botanical insecticides, and organic and synthetic pesticides — when used judiciously).

Planning

- Construct trellises for tomatoes, cucumbers, pole beans, and vining ornamentals.

Maintenance and Clean Up

- Prune lilacs, forsythia, rhododendrons, and azaleas after blooming.
- Fertilize vegetable garden one month after plants emerge by side dressing alongside rows.
- Harvest thinnings from new plantings of lettuce, onion, and chard.
- Pick ripe strawberries regularly to avoid fruit-rotting diseases.
- Use organic mulches to conserve soil moisture in ornamental beds. An inch or two of sawdust, barkdust, or composted leaves will minimize loss of water through evaporation.
- After normal fruit drop of apples, pears and peaches in June, consider thinning the remainder to produce a larger crop of fruit.
- Make sure raised beds receive enough water for plants to avoid drought stress.
- **Mid-June:** If green lawns are being maintained through the summer, apply 1 pound nitrogen per 1,000 square feet to lawns.
- **Central Oregon and higher elevations of eastern Oregon:** Frost can still be a concern during cold nights. Protect young vegetables from frost by having row cover (frost cloth) on hand. Place over crops when needed. Use season extenders, such as walls of water, around tomatoes and other tender plants.
- If a green lawn is desired, make sure lawn areas are receiving adequate water (approximately 0.5 to 1.5 inches per week from June through August). Deep watering less often is more effective than frequent shallow watering. Measure your water use by placing an empty tuna can where your irrigation water lands.



Planting/Propagation

- Plant dahlias and gladioli.

Pest Monitoring and Management

- **Central Oregon and high elevations of eastern Oregon:** 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.
- **First week:** Spray cherry trees for cherry fruit fly, as necessary, if fruit is ripening.
- **First week:** Spray for codling moth in apple and pear trees, as necessary. Continue use of pheromone traps for insect pest detection.
- Learn to identify beneficial insects and plant some insectary plants (e.g. Alyssum, Phacelia, coriander, candytuft, sunflower, yarrow, dill) to attract them to your garden. Check with local nurseries for best selections. For more information, see [Encouraging Beneficial Insects in Your Garden](#) (PNW 550).
- Blossoms on squash and cucumbers begin to drop; this is nothing to worry about. Cherries may also drop fruit; this is not a major concern.
- Monitor 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 root weevils with beneficial nematodes when soil temperatures are above 55 degrees Fahrenheit. If root weevils are a consistent problem, consider removing plants and [choosing resistant varieties](#).
- Control garden weeds by pulling, hoeing, or mulching.
- Control aphids on vegetables as needed by hosing off with water or by using insecticidal soap or a registered insecticide.
- Watch for 12-spotted beetles on beans and lettuce and cabbage worms or flea beetles in cole crops (cabbage, broccoli, Brussels sprouts). Remove the pests by hand or treat with registered pesticides.
- Spray peas as first pods form, if necessary, to control weevils.
- Birch trees dripping a sticky fluid from their leaves means that aphids are present. Control as needed.
- Use yellow sticky traps to monitor for cherry fruit fly. About one week after the first fly is caught, spray cherries at appropriate intervals.
- **Last week:** Second spray for codling moth in apple and pear trees, as necessary.
- Continue monitoring blueberry, strawberry, cherry and other plants that produce soft fruits and berries for Spotted Wing Drosophila (SWD). If SWD are present, use an integrated and least toxic approach to manage the pests. To learn [how to monitor and manage SWD](#).



Houseplants and Indoor Gardening

- Move houseplants outdoors for cleaning, grooming, repotting and summer growth.



CLACKAMAS COUNTY CHATTER

Chapter Meeting

Monday, June 9, 2014, 7 p.m.

Milwaukie Center, 5440 SE Kellogg Creek Dr., Milwaukie

Impact of Urban Trees: Geoffrey Donovan, US Forestry Service



Trees provide a broad range of benefits to urban residents. These benefits range from the intuitive – lower summertime cooling costs, for example – to more surprising benefits such as crime reduction and improved public health. This talk provides an overview of Geoffrey Donovan's research that measures these benefits. Drawing from research findings, Dr. Donovan will offer practical advice for gardeners on the most beneficial ways to use trees in your home landscape.

Dr. Donovan has a bachelor's degree from Sheffield University in biochemistry and a doctorate in forest economics from Colorado State University. He works as a research forester for the USDA Forest Service's Pacific Northwest Research

July Chapter Outing

Monday, July 14, 2014

Garden Tour of Vern Nelson's Edible Garden, 4 p.m. to 7p.m.

**Refreshments will be provided by the chapter.*

Vern Nelson is the owner of A New Leaf Kitchen Garden Design company and garden columnist for the Oregonian. He does scientific botanical watercolor illustrations and is a horticultural photographer. Vern is working on a book that will be a guide to kitchen gardening in the Northwest.

Open Gardens

Once again this year our members are opening their gardens to visitors. Look for details in your email in-box throughout the summer about the who and where! And if you would like to open your garden this season, please contact Sharon Wiley to be put on the calendar. See you in the gardens!

Green Glove

Our Green Glove recipient for May is Penny Dionne, class of 1999. Penny is best known for her tireless work as the Chair for the Spring Garden Fair raffle. Thank you Penny for all that you do for the Spring Garden Fair and the chapter!

Upcoming Programs

- **September 8** - Wildlife Viewing Opportunities along the Oregon Coast. *Roy W. Lowe*
- **October 13** - The Art of Bonsai. *Scott Elser*
- **November 10** - Weather and Gardening. *Rod Hill*
- **December 8** - Designing & Equipping the Home Greenhouse. *Rick Warner*

Chapter Events

- **July 12 & 13:** OMGA Mini College on the OSU campus
- **July 14** - Annual Chapter Outing: A tour of Vern Nelson's garden
- **August 11** - Annual Chapter Picnic
- **October 11** - Fall into Gardening
- **October 13** - Plant & Seed Swap at Chapter Meeting

30th Annual Spring Garden Fair

Our annual fundraiser is over for another year. This year's fair saw sunshine and rain, smiles and lots of great chapter involvement. Attendance was right on target at just under 8000 people. Soil Testing, 10 Minute University™, Ask a Master Gardener Clinics & our new childrens activity in the 4H Hall combined saw over 1500 contacts. And the Garden Fair Raffle had record sales this year! The Anniversary activities were lots of fun - we gave away two red wagons filled with garden goodies, lots of Garden Fair Bucks for shoppers and the Little Red Wagon Contest was a big hit too. Vendors seemed to be very pleased with the event even though the weather was less than perfect this time around. All in all it was a very good fair; thank you to all the participated and came to shop. And a very special thank you to our Spring Garden Fair Committee Chair, Herb Davis, for helping to make this another memorable year. Planning will begin again in September for our 31st Spring Garden Fair - so mark your calendars: *May 2 & 3, 2015!!*



for more photos check out the photographers page by clicking here

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Newsletter • Sharon Andrews & Frank Wille

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

June 2014

Speaker Series
Tuesday, June 10,

7:00pm Speaker

Mt. Tabor Presbyterian Church
5441 SE Belmont Street,
Portland

Speaker: Sadafumi Uchiyama,
garden curator, Portland
Japanese Garden

Topic: Japanese Garden
Influence on Pacific North-
west Gardens

Dig In, at our MG



Demo Garden!

Join us on Mondays and
Thursdays from 9am to
12noon, 6801 SE 60th Ave.
Help us share the bounty of
our garden.

Multnomah County Grapevine

In cooperation with the OSU Extension Service Master Gardener Program



Japanese Garden Influence in the PNW

The Japanese garden in the Pacific Northwest flourished after WWII as a form of “sister city gardens”. Portland’s Japanese Garden, born in 1963, as a Portland-Sapporo sister-city garden has been a leading influence on our Pacific Northwest gardens today, providing design inspiration along with insight into Japanese culture and aesthetics.

By far the most fundamental influence is the Region’s adoption of a more spiritual attitude toward gardens in general, the shift from a horticultural focus to the concept that a garden has something more to offer. At the design level, some specific elements in the Japanese garden are taken and well adapted into our gardens in the Pacific NW. Examples include the use of rock, planting patterns, and pruning.

Sadafumi Uchiyama, the Garden Curator of the Portland Japanese Garden, is a third-generation Japanese gardener.

A traditional apprenticeship in Japanese gardening combined with the formal training in Western landscape architecture has allowed Uchiyama to design and build a wide range of unique private and public landscape projects.

Sada looks forward to highlighting the principles of the Japanese garden design and it’s influence in our region.



Summer Series 'In the Garden'

Preserving Tomatoes and the Laws of Salsa!

Our ‘Speaker Series’ goes into the garden for the summer, as we gather at our Community Demonstration Garden (6801 SE 60th Avenue, Portland) for “Preserving Tomatoes and the Laws of Salsa”. On **Tuesday, July 8th at 7pm**, learn how to safely preserve tomatoes and tomato products, including “*The Laws of Salsa*”. Join Jeanne Brandt, OSU Extension Family and Community Health faculty, and OSU Master Food Preservers, as they present how-to preserve your crop of tomatoes for year-round enjoyment. Review current, safe methods and recommended resources for tomato preservation including tips on preservation options for your green tomatoes.



Chapter Website—www.metromastergardeners.org/multnomah/

Chapter Email—multmastergardeners@gmail.com

Grapevine Editor—Lorna Schilling (503)334-5162, lornaschilling@yahoo.com



Washington County Chapter Chat

Good Dirt for the Master Gardeners of Washington County, Oregon June 2014

Treasurer: Marilyn Turner, marilynnsturner@gmail.com
Chapter Chat ed.: Rene Breier breierrene@yahoo.com

CHAPTER MEETING & PROGRAM:

TUESDAY June 3

6:30 p.m. Social time 6:45 p.m. Chapter meeting
7:15 p.m. Speaker Series Program

Location: First Baptist Church, 5755 SW Erickson Ave., Beaverton.

TOPIC: Identifying Conifers

SPEAKER: David Sandrock, Ph.D

Identifying conifers can be problematic. David Sandrock, PCC Landscape Technology Department Chair, will discuss key identification features of conifers to help identify these awe-inspiring trees in the field.

David holds a BS and MS in Horticulture from the University of Georgia, and a Ph.D in Horticulture from OSU. David taught classes and conducted research in Landscape Horticulture at both The University of Florida and at OSU. He is a licensed Landscape Contractor, an International Society of Arboriculture Certified Arborist, and part owner of Watershed Landcare, a full service landscape company located in Hillsboro. If you want to learn how to identify conifers, come and listen to this expert.



REMINDER: PORTERHOUSE FARMS AND ARBORRETUM FIELD TRIP JUNE 11 NO CHAPTER MEETINGS UNTIL SEPTEMBER

President: Bob Falconer, falconer2672@comcast.net
Vice-President: Sue Ryburn, Sueryburn@comcast.net

COMING UP:

Fair-Plex Demo Garden TUES 9-12
VOLUNTEERS NEEDED for THE FAIR
July 24-27 Sign up on Cervis. Earn
PRIMARY HOURS.

Jenkins Estate Learning Garden THURS.
10- 1. Orientation for first timers. Bring gloves!
<http://jenkinslearninggarden.blogspot.com/>

CONGRATS and THANK YOU to Jane Miller and her group for raising \$14,000 net from the Plant Sale!

IN THE GARDEN SERIES

DG Demo Garden, LG Learning Garden

June 3 (Tues. 11.00) Espalier and Dwarf Fruit Tree Pruning (DG)

June 10 (Tues. 9.30) Adaptive Gardening (DG)

June 19 (Thurs. 10.00) Growing Culinary Herbs. (LG)

June 21 (Sat. 10.00) Maximizing your Vegetable Garden Harvest (LG)

June 25 (Wed. 6.30) Planning and Planting for Year Round Harvests (DG)

(Above approved for VET MG RECERT TRAINING)

SEE WEBSITE FOR DETAILS

www.metromastergardeners.org/washington

SAVE THE DATE: Chapter Picnic at Dick and Jane Miller's garden, **JULY 19**

NOTE: Please pick up new Chapter business cards at Chapter meetings. These feature email address and chapter activities on the back.

GARDENER'S MINI COLLEGE OSU Corvallis, which runs Sat/Sun July 12/13 is open to the public this year. The Chapter has some funds available to defray costs for attendees. \$30/day for classes. For more information, <http://extension.oregonstate.edu/mg/minicollege>



June 2014

MASTER GARDENER™ NEWSLETTER



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