PAGE 10
MARCH 2012

MARCH 2012

Portland -Let's do our part!

GARLIC MUSTARD IN OREGON

- **abundant**
- **■** limited distribution
- none reported

source: www.weedmapper.org

When Removing Garlic Mustard

Do:

Help

Dig Getting the root out reduces the number of re-sprouting plants.

Neighborhood groups listed below may be sponsoring

Be sure your plants don't cause a problem for someone else.

work parties

Watch Keeping your patch clear prevents new seed from forming,

even if the plants are past flowering.

Don't:

Mow Mowing does NOT effectively control garlic mustard, since

flowers and roots are still free to make seed.

Throw Throwing pulled plants on the ground or street allows them to

continue flowering and setting seed.

Compost Putting garlic mustard in compost or yard debris bins risks

spreading plants or seeds to new locations.

Get Involved

Portland Parks West Side Volunteer Coordinator - Rachel Felice, 503-823-9423, or **Willamette River Volunteer Coordinator** - Marissa Dorais, 503-823-7016

Bridlemile Creek Stewards - Steve Mullinax, 503-768-9065

Friends of April Hill Park - Jill Gaddis, aprilhillpark@gmail.com

Friends of Dickinson Park - Tony Hansen, 503-317-3914

Friends of Marquam Nature Park - Robin Jensen, 503-799-8435

Friends of Marshall and Maricara Parks - John DeLance, friendsom2p@gmail.com

Friends of Terwilliger - Robin Vesey, 503-293-1069

Friends of Tryon Creek State Park - 503-636-4398

Friends of Vermont Creek - Jen Seamans, 503-823-2862

Friends of Woods Park - Kevin Duff, 503-998-9417

Multnomah Village Gateway Project - Randy Bonella, 503-803-5963

PCC Habitat Team at Sylvania Natural Area Park - April Ann Fong, afong@pcc.edu

South Portland Riverbank Partners - Marissa Dorais, 503-823-7016

Stephens Creek Stewards - Jen Seamans, 503-823-2862

Tryon Creek Watershed Council - Corrina Chase, tcwc@tryonfriends.org or 503-636-4398 **West Willamette Restoration Partnership** - Watershed Resource Center, 503-823-2862

Apply for a Community Watershed Stewardship Grant

Rebecca Hamilton, 503-823-7917, www.portlandonline.com/bes/stewardship

Treebate – Plant a Tree in Your Yard and Get a Rebate

Jennifer Karps, 503-823-2263 or www.portlandonline.com/bes/treebate

Take a Naturescaping Workshop

503-797-1842 or www.naturescape.org

Columbia Land Trust and Audubon Society Backyard Habitat Certification Program Gaylen Beatty, 503-841-5918 or www.columbialandtrust.org

Southwest Watershed Resource Center

Jen Seamans, 503-823-2862, http://wrc.swni.org







Garlic mustard - Alliaria petiolata

Garlic mustard is a cool season herb, native to Eurasia, that European settlers brought to North America as a garden herb. In its introduced range, garlic mustard's greatest threat is to native woodland wildflowers. It dominates and displaces most native understory species, reduces plant diversity and decreases forage for native wildlife, such as the Columbian black-tailed deer. Garlic mustard that invades road rights-of-way reduces visibility and significantly increases invasive vegetation control costs.

How to Identify Garlic Mustard

Garlic mustard is a biennial herb that forms a basal rosette of kidney-shaped, scalloped leaves in the first year, and an elongated flower stalk in the second year. Its triangular leaves are alternate on the smooth stem and sharply toothed.

Garlic mustard flowers between April and May and forms seeds in early June, which ripen after several weeks. Plants generally have one flowering stem with numerous four-petaled white flowers. Crushed leaves and roots often have a distinct garlic odor. Plant height ranges from 12 to 48 inches, though plants as short as 1 inch or as tall as 72 inches are not unusual. The black, oblong seeds are in rows within a long, narrow pod and can survive in the soil for at least five years.

How to Contain Garlic Mustard

Garlic mustard spreads exclusively by seed. Hikers, animals and road maintenance equipment spread the seeds. Wind dispersal is minor, but flowing water in stream corridors can also spread the seeds. Clean your shoes after walking in areas of known garlic mustard infestations so you don't spread seed to yards and parks.



Piggy-back Plant, *Tolmiea menziesii* - watch for hairy leaves and stems
Wild Ginger, *Asarum caudatum* - watch for glossy, dark green leaves



Dean Marriott, Director



Information source: Oregon Department of Agriculture Garlic Mustard brochure

Controlling Garlie Mustard

working for clean rivers, healthy watersheds, and a livable, sustainable community

FANNO CREEK WATERSHED Current Program and Partners

remember:

put pulled

plants into

a bag and

then into

the trash

As in previous years, Portland's Environmental Services will survey and treat for garlic mustard on roadsides and along the banks of Upper Fanno Creek and its tributaries Pendleton, Vermont, Woods, North Ash, South Ash, Restoration and Bridlemile creeks.

Environmental Services will contact property owners along Fanno Creek and its tributaries to request permission to look for garlic mustard on their property and treat it if necessary for up to five years. The city will mail reminders of upcoming treatment to property owners with current agreements.

If you are a streamside property owner in the area mapped on the right and you have not yet signed up to have your property inspected, treated or both, please call Mitch Bixby at Environmental Services, 503-823-2989.

Garlic mustard stages

early Nov-early April — Rosette:

Bolting: early-late April

Flowering: late April-late May

Seeds forming: late May-early June

Seeds ripening: early June-early July

SEEDS RIPE: mid July-late Oct: **DON'T PULL**

How To Control Garlic Mustard

Hand pulling garlic mustard requires care and persistence, and thoughtful disposal of the plants. When pulling garlic mustard, be sure to get as much of the root as possible. Roots left in the soil typically re-flower as shorter plants, making the infestation harder to manage. Mowing presents the same risks. A large percentage of newly-sprouted plants flower in May, requiring additional hand pulling work.

Dispose of pulled plants in trash bags and put them in your garbage. Yard debris bins or composting may not kill the plants, risking spread to new locations. Be sure to tightly tie the bags so pieces don't fall out and start a new infestation.

Revisit your site. It's critical to watch for new plants to prevent formation of more seeds. Garlic mustard plants flower for several weeks, and then ripen seed for several weeks. You can safely pull ripening plants until the seed pods begin to dry. Then the risk of spreading new seed outweighs the value of pulling the plants.

PATTON RD. CAMERON RD. VERMONT ST MULTNOMAH BLVD. GARDEN HOME RD. TAYLOR'S FERRY RD. ARNOLD ST. STEPHENSON RD.

MAP LEGEND - Garlic Mustard Treatment

- ☐ watershed within City of Portland
- outside the City of Portland
- outside the watershed
- streams

proposed treatment areas:

- roads
- streambanks
- roads with no treatment

If you see garlic mustard somewhere other than noted on these maps, please report it to Mitch Bixby at 503-823-2989 or mitch.bixby@portlandoregon.gov.

WEST WILLAMETTE WATERSHED

Current Program and Partners The West Willamette Restoration Partnership (WWRP) is a collaborative effort among the City of Portland, West Multnomah Soil & Water Conservation District and local and volunteer organizations to control invasive weeds. WWRP's focus is the southwest hills of Portland along Terwilliger Boulevard and Marquam Nature Park. WWRP members are working to control garlic mustard on trails, in road rights-ofway and in stream corridors as noted on these maps. From April through June, expect to see contractors

These are licensed contractors using treatment methods consistent with the city of Portland Integrated Pest Management Strategy. They will hand pull garlic mustard and apply herbicide.

TRYON CREEK WATERSHED

working on garlic mustard control.

Current Program and Partners

In spring 2012, Environmental Services staff and licensed contractors will treat roadside garlic mustard infestations along Boones Ferry Road, SW Maplecrest, SW Stephenson and SW Capitol Highway. Volunteers with the Friends of Tryon Creek State Park and Portland Parks & Recreation staff will remove garlic mustard in Marshall Park and Foley Balmer Natural Area.

Do you want to know more about garlic mustard in Portland?

For more information about the current development stage and recent treatment areas visit:

www.portlandonline.com/bes/garlicmustard

