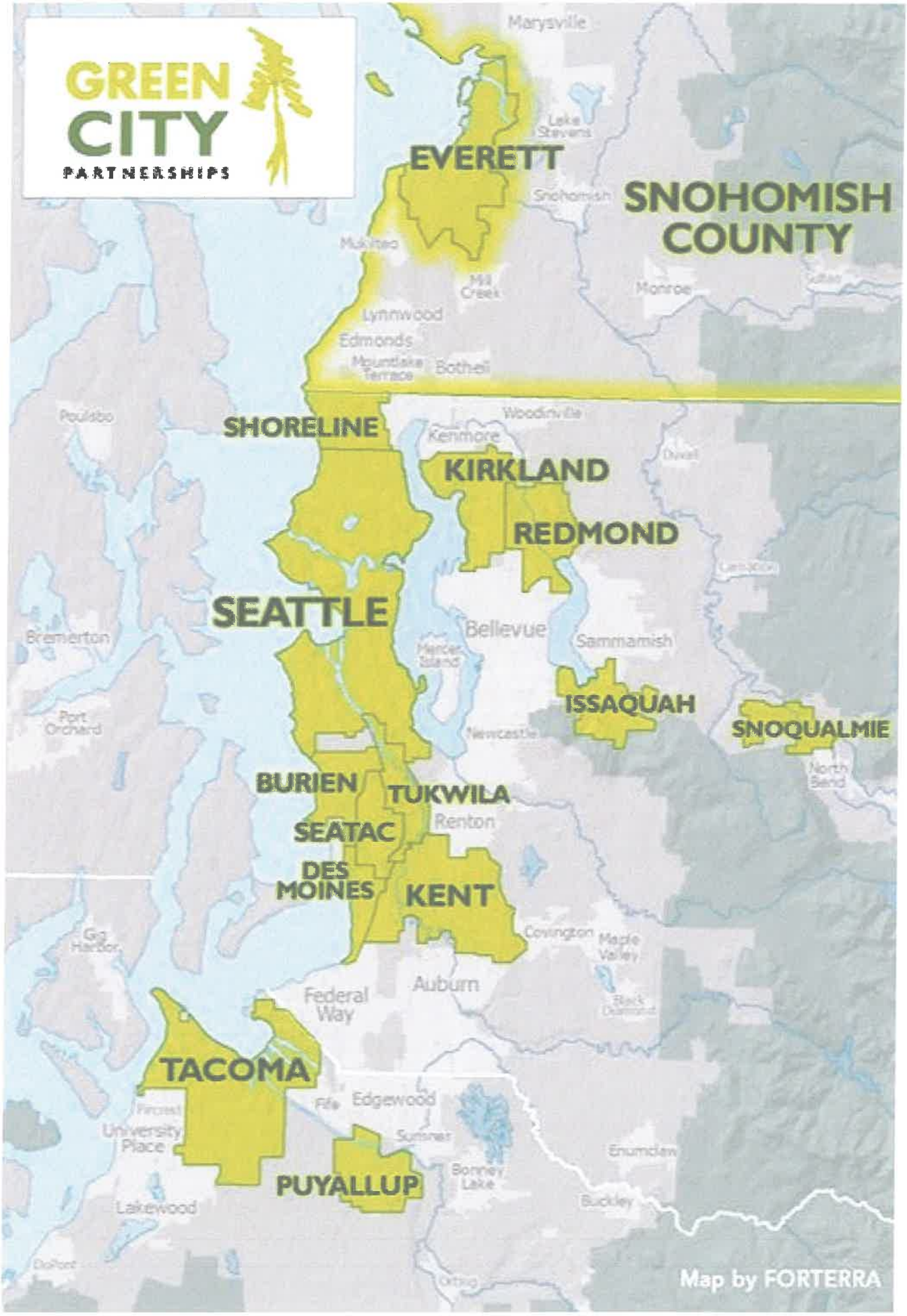
GREEN CITY
PARTNERSHIPS
EVERETT
SNOHOMISH COUNTY
SHORELINE
KIRKLAND
REDMOND
SEATTLE
ISSAQUAH
SNOQUALMIE
BURIEN
TUKWILA
SEATAC
DES MOINES
KENT
TACOMA
PUYALLUP
Marysville
Lake Stevens
Snohomish
Mukilteo
Mill Creek
Monroe
Lynnwood
Edmonds
Mountlake Terrace
Bothell
Poulsbo
Woodinville
Kenmore
Duvall
Bremerton
Bellevue
Sammamish
Mercer Island
Port Orchard
Newcastle
North Bend
Renton
Gig Harbor
Covington
Maple Valley
Auburn
Federal Way
Black Diamond
Fife
Edgewood
Fircrest
University Place
Sumner
Bonney Lake
Enumclaw
Buckley
Lakewood
Orting
Map by FORTERRA

Oregon State University **Extension Service**

Make Your Garden into a Pollinator Haven!

OR
United States

Tue, Oct 18, 2022 6:30 pm - 7:30 pm
Event cost
FREE
Register (https://oregonstate.zoom.us/webinar/register/WN_0TVBRIMFQkmmGcU6Lnstmg)
Off

This online webinar will take place on zoom. Please register for the zoom link. A recording of the webinar will be available on the Lane County Master Gardener YouTube channel (https://www.youtube.com/channel/UCcqWh7IwUQhJWCkdI1b9jLQ) within one week of the live zoom.

About the Presentation

We have all seen the headlines about pollinator declines, but the good news is that there are things we can do to make our landscape better for bees—and if we all do something, together we can have a big impact. Matthew Shepherd of the Xerces Society will introduce you to the diversity and natural history of Oregon's native bees, and present straightforward ways in which you can make your garden—or neighborhood or city—a pollinator haven. Find out how to select flowers, provide nest sites, and why you should avoid pesticides. There are also community science projects to join in and other ways to engage your community.

About the Presenter

Matthew Shepherd, Director of Outreach & Education, The Xerces Society for Invertebrate Conservation
Matthew Shepherd has spent more than 35 years working with people from all walks of life to create better places for wildlife. He has worked for the Xerces Society for two decades, initially at the vanguard of a national effort to protect pollinators, but now focused on community engagement and conservation in towns and cities. Matthew is author of numerous articles and other publications and coauthor of books, including Attracting Native Pollinators (Storey Publishing, 2011) and Gardening for Butterflies (Timber Press, 2016). He learned gardening at his mother's side and has created and maintained wildlife gardens everywhere he has lived.

This seminar is sponsored by the Lane County Master Gardener Association (LCMGA). The LCMGA is a 501(c)(3) nonprofit organization formed in support of the Lane County OSU Extension Master Gardener program.

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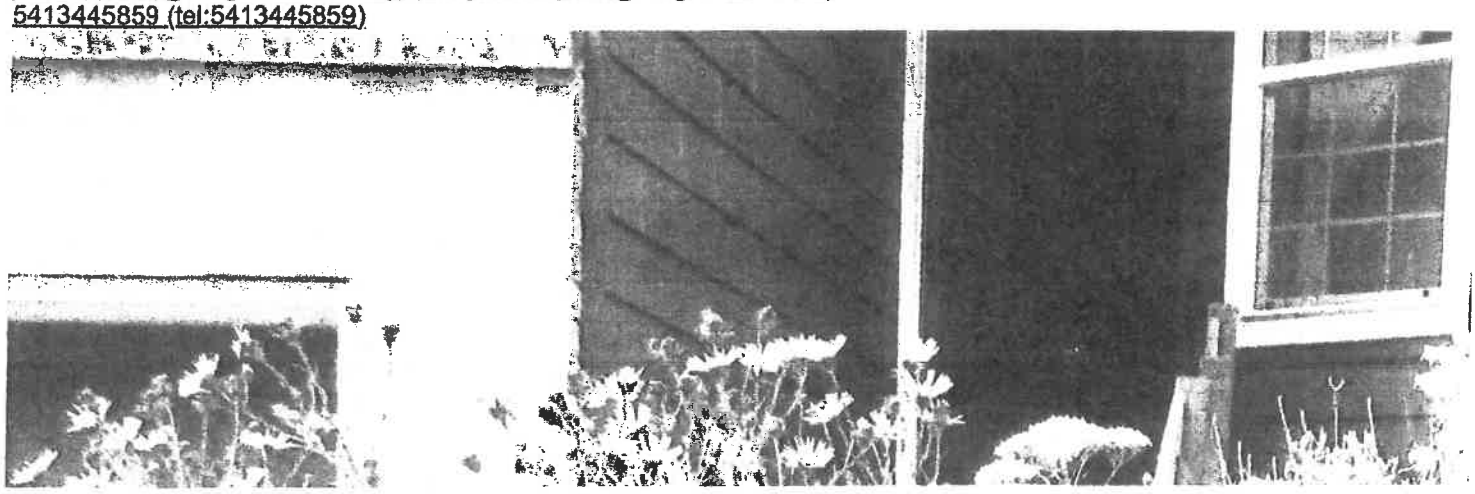
5413445859 (tel:5413445859)



A Greener Florence

Florence currently hauls dewatered solids to Heard Farms near Roseburg, Oregon, costing the City $80,000 (and rising) a year in fuel, transportation, and dumping fees.

"We're able to produce a Class A biosolids product through a composting process that combines our chipped yard debris with our biosolids," says Public Works Director Mike Miller. "The end result is a sustainable compost supply for our community, which benefits our rate payers by reducing our biosolids costs and producing a great soil amendment.

Additionally, composting enables us to utilize a valuable resource that would otherwise go to waste.

Florence completed a pilot program in 2011 and officially started composting with its first batch in February 2013.

This is one of the many projects the City has created in efforts to make Florence a more sustainable and eco-friendly community.

Flo-Gro Demonstration Vegetable Garden

City of Florence

A City in Motion

EMAC

Kennedy Jenks

CITY OF FLORENCE PUBLIC WORKS

2675 Kingwood Street
Florence, OR 97439
541-997-4106
www.ci.florence.or.us
Mike Miller, Public Works Director

CITY OF FLORENCE PUBLIC WORKS

Class A Biosolids Composting Project

LANE COUNTY OREGON

CITY OF FLORENCE · OREGON

What are Class A Biosolids?

Class A composted biosolids are a valuable resource rich in plant-essential nutrients and organic matter. Using composted biosoldis improves soil health and allows soil to hold more water, while letting it drain and breathe better. Research has shown that crops grown in soils amended with biosolids are of equal or better quality than those grown with fertilizers.

To achieve Class A status, the biosolids must meet stringent federal and state requirements. This can be done via a number of different processes including heating, composting, digestion, or increased pH, all of which yield material that is safe for beneficial use. Compost produced by Florence goes one step further to meet additional quality requirements related to pollutant content and is thus designated as Class A EQ (Exceptional Quality).

The Final Product: Flo-Gro, rich in plant-essential nutrients.

The Composting Process:

Dewatered Biosolids + Fresh Wood Chips + Yard Debris Grindings

Mixed and Formed into Compost Pile

Remixed with Front-End Loader

Re-piled and covered with GORE® cover with probes to measure oxygen levels.

The Final Product: Flo-Gro

EQ - Exceptional Quality

Pollutant levels in Flo-Gro are many times lower than required to achieve designation as Class A.

Metal	DEQ Class A EQ Limit (mg/kg dry)	Flo-Gro Pilot Result (mg/kg dry)
Arsenic	41	4.2
Cadmium	39	<1.0
Chromium	1,200	21
Copper	1,500	26
Lead	300	7.2
Mercury	17	<1.0
Molybdenum	75	2.3
Nickel	420	8.5
Selenium	36	<1.0
Zinc	2,800	160

Safe for Unrestricted Beneficial Use

Flo-Gro is safe for unrestricted beneficial use. Organisms used to measure potential for pathogens are many times lower than that required to meet Class A compost. In addition, during composting, Flo-Gro reaches temperatures that are higher and for a longer period of time than that needed to eliminate pathogen concerns.

Class A Fecal coliform limit = 1,000 MPN/g
Flo-Gro = 380 MPN/g
Must maintain minimum of 55°C for 3 days
Flo-Gro = Lowest temperature was above 55°C for 10 days

FloGro Compost is Ready to Go!

$25 a yard

Pick up times 10am to noon

every Tuesday

At Public Works off of Kingwood

If you have any questions or can't make the Tuesday pick up time call 541-997-4106 for an appointment