Willamette Valley
Regenerative Landscape Coalition
Benton County, Oregon

Teresa Matteson

Erik Swartzendruber
<table>
<thead>
<tr>
<th>Date</th>
<th>Activity</th>
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<tbody>
<tr>
<td>Jun 2017</td>
<td>First meeting / monthly</td>
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<td>Oct 2017</td>
<td>Gmail address</td>
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<td>Apr 2018</td>
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<tr>
<td>Jan 2019</td>
<td>Webpage / blog posts</td>
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<td>Jun 2019</td>
<td>C-Questers</td>
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<td>4 presentations / 2 webinars!!</td>
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Parking Lot Planting
This landscape
CQUESTERS
Yours can too!

Learn more at bit.ly/C-Quester

Sponsored by

BENTON SOIL AND WATER CONSERVATION DISTRICT

Willamette Valley Regenerative Landscape Coalition

Benton Soil and Water Conservation District
Join the C-Quester campaign!!

C-Questers are gardeners who create intentional, regenerative landscapes that can transfer tons of carbon from the atmosphere to the soil.

A regenerative landscape has dense plant cover and uses soil-friendly maintenance practices that follow these guidelines:

- Minimize soil disturbance.
- Grow living roots year-round.
- Keep soil covered, preferably with plants.
- Increase plant diversity.

Learn more about C-Questers at bit.ly/C-Quester
Regenerating Urban Soil Through Plant Density

(Regenerative Landscaping)

All photos courtesy of Gaia Landscapes, Inc., and Willamette Valley Regenerative Landscaping Coalition, or public domain
Densely Planted Landscapes

- Improve soil
- Enhance the ecosystem
- Potentially less maintenance
- Potentially less cost to install
Where does Organic Matter come from?

Photosynthesis!
Sparse vs. Dense Planting
Plants are the key to ecosystem health

Plants do these things: (and more)

• Photosynthesize
• Feed pollinators
• Help with pollution
• Microclimate regulation
• Water regulation
• Protect and improve soil
• Improve health
WVRLC Guidelines

• Minimize soil disturbance
  (Physical and Chemical)
• Living roots year-round
• Keep soil covered (with plants)
• Increase plant biodiversity
Where is carbon?

Biomass: ~560

Atmosphere: 840+

Soil: ~2500
Increase Organic Matter 1% =

+ 10 TONS CARBON PER ACRE
(IN THE TOP 12” OF RELATIVELY HEAVY SOIL)

= ~ 35 TONS CO$_2$ FROM ATMOSPHERE
Smothers weeds

Less Mulch

Hides weeds and debris

Less fertilizer
Use plants as landscape solutions:

- Screening
- Shade / Microclimate Regulation
- Deal with erosion / Drainage Issues
- Noise buffering
- Windbreak
Gravel Mulch?
Plant More Plants!!!

Willamette Valley Regenerative Landscaping Coalition

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WV Regenerative Landscape Coalition

Soil ROCKS!