

Education for Farmers, by Farmers

Basics of Biochar: On-Farm Kiln and Soil Amendments

Finnriver Farm and Cidery

Chimacum, WA

Saturday, Dec 8th, 2018

10am – 3pm
\$25

FARMWALK2018

Learn More and Register @ www.foodsystems.wsu.edu/farmwalk/



Food Systems
WASHINGTON STATE UNIVERSITY

Cascadia grains conference

SAVE ^{THE} DATE
JAN. 18-19, 2019
OLYMPIA, WA

connect . learn . grow

*Revitalizing a local
grain economy in the
Cascadia Region*

www.cascadiagrains.com

FRIDAY FIELD TRIPS



**HANDS-ON
BAKING**



**BREWING &
DISTILLING**



**PRODUCTION
EQUIPMENT**



**GRAINS
TASTING**

SATURDAY CONFERENCE



**RESOURCE
EXPO**



**KEYNOTE
SPEAKER**



**WORKSHOP
SESSIONS**



**TASTING
TOUR**

THE CASCADIA GRAINS CONFERENCE brings together farmers, bakers, brewers, distillers, brokers, investors, researchers and others in an effort to enhance the local food economy by sharing the latest science, techniques, and developments for niche-grains in the Cascadia region. Holding a space for new business, policy, and research relationships to form and existing ones to be strengthened.

The Cascadia Grains Conference is presented by WSU Food Systems



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WSU Food Systems Program and Tilth Alliance have been collaboratively presenting the FARMWALK series for 15 years! These farmer-to-farmer educational events are hosted by organic, sustainable, and innovative farms throughout Washington State. We reach over 450 attendees each year seeking education, advice, and mentorship from experienced farmers, agricultural professionals, and WSU researchers and specialists. Held throughout the growing season in geographically disperse areas of the state, the unique expertise developed by established growers and researchers is shared experientially through guided question-and-answer sessions.



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Learn more at foodsystems.wsu.edu/farmwalk/

And a big **THANKS!**

To Jefferson County Extension for welcoming the FARMWALK program into your community and your continued support of sustainable food systems!



Jefferson County

WASHINGTON STATE UNIVERSITY
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Learn more at extension.wsu.edu/jefferson/

FARMWALK2018



Forage



Charcoal, referred to as 'biochar' when applied in agricultural soils, has been shown to store carbon, retain nutrients and water, increase biological activity, and increase a plant's ability to absorb nutrients. New research on biochar's influence on soil carbon stabilization and increase in biological activity present an opportunity for charcoal to become a foundational element of regenerative agriculture, furthering other carbon-based farming practices. This FARMWALK brings together partners working on on-farm solutions and will provide a summary of local and international research, as well as a series of on-farm and forestry production methods for converting woody debris into a resource that can increase crop resiliency in a changing climate.

This FARMWALK will take place at Finnriver Farm and Cidery in Chimacum, WA and brings together several community partners that have been working together to develop biochar production systems on-farm and seeking beneficial end uses. These partners include Finnriver Farm, Olympic Biochar, Jefferson County Conservation District, Jefferson Land Trust and host Kai Hoffman-Krull, the Executive Director of Forage, a research non-profit dedicated to innovative practices in sustainable agriculture. Kai coordinated a 3 year research project on biochar with farms in San Juan County and the University of Washington and University of Montana. He also runs the non-profit's market garden, selling produce to local restaurants and coops. Kai worked as a manager for the Yale Farm, and currently collaborates with students and faculty at the University of Montana on publishing academic and magazine articles on biochar, soil carbon, nutrient density, and crop resiliency in our age of climate change.

ADDITIONAL RESOURCES...

Online Resources:

WSU's Center for Sustaining Agriculture and Natural Resources has an extensive amount of research content on biochar and pyrolysis technology.

<http://csanr.wsu.edu/publications-library/energy/biochar/>

Olympic Biochar

<https://www.olympicbiochar.com>

Biochar - the future of sustainable agriculture: Lauren Hale at TEDxUCR

<https://www.youtube.com/watch?v=AKBkgJoalxQ>

Restore Char

<http://restorechar.org>

International Biochar Initiative

<https://biochar-international.org>

Article by Kelpie Wilson on Biochar and Forest Restoration

https://greenyourhead.typepad.com/files/biochar_for_forest_restoration_wba_rev.pdf

EcoFarming Daily - Biochar: Prepping it for Soil

<http://www.ecofarmingdaily.com/biochar-prepping-soil/>

Hugh McLaughlin - Biochar: A Powerful Tool for Carbon Farming

<https://www.youtube.com/watch?v=AUh1vwDjaVo&feature=youtu.be>

Article by Kelpie Wilson - How biochar works in soil

<https://www.biochar-journal.org/en/ct/32>

Article by Kathleen Draper - The Biochar Displacement Strategy

<https://www.biochar-journal.org/en/ct/85-The-Biochar-Displacement-Strategy>

Want to Search for More?

WSU Publications: <https://pubs.wsu.edu>

WSU Extension: <https://extension.wsu.edu>

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REGISTER NOW
Cascadia
grains
 conference

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This conference wouldn't be possible without the support of donors like you.

BECOME A DONOR!

Contact: Aba Kiser,
 Conference Coordinator
 cascadia.grains@wsu.edu
 360-379-5610 ext 211

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Food Systems

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FOOD SYSTEMS

Supporting thriving Washington farms, ecosystems, and food economies to provide communities with equitable access to healthy, sustainable, and regionally produced foods.



THE FOOD SYSTEMS TEAM

Is a committed group of WSU faculty, staff, and partners. Together we promote research, implement change, and provide unparalleled educational opportunities for farmers, communities, and consumers.



FOOD SYSTEMS FOCUS AREAS

-  SUSTAINABLE FARMING PRACTICES
-  EQUITABLE ACCESS
-  ENERGY & WASTE REDUCTION
-  PROCESSING & DISTRIBUTION
-  POLICY & REGULATION
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WSU FOOD SYSTEMS is a program of the  Center for Sustaining Agriculture & Natural Resources