



# Action in Agroforestry

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Michael Gold and  
Taylor Wanbaugh, editors

## Upcoming "Agroforestry in Action Webinar" Features Savanna Institute

Speaker Keefe Keeley will present "Participatory Research & Outreach in Savanna-Mimicking Agroecosystems" on March 30 at 11 a.m. (CST).

Keeley will discuss the work of the Savanna Institute and their efforts to develop and promote "Savanna-based Restoration Agriculture Systems." Savanna-based Restoration Agriculture mimics the structure and function of the Midwestern oak savanna to sustainably produce

United States. Existing as a dynamic patchwork between prairie to the west and forest to the east, the Midwestern oak savanna is characterized by scattered canopy trees, an

farm operations. Perennial crops, livestock, fungus, and pollinators are integrated to produce abundant food, fiber, and fuel and simultaneously restore critical ecosystem

### Participatory Research and Outreach in Savanna-Mimicking Agroecosystems



services such as carbon sequestration, water purification and infiltration, nutrient cycling, and biodiversity.

Rather than perpetuating the separation of nature and humans, this system attempts to break down the dichotomy between ecological restoration

an agricultural yield while simultaneously restoring ecosystem services. Typical species in this system include a variety of nut trees (e.g., chestnut and hazelnut), a variety of fruits and berries (e.g., apple, grape, and raspberry), and grazing animals (e.g., cattle, hogs, and chickens).

The Midwestern oak savanna was the dominant pre-plow ecosystem of the Midwestern

understory sparse with shrubs, and a ground layer rich in grasses and forbs. Regular disturbance via fire and large grazing animals keep the savanna ecosystem halted mid-succession in its diverse and productive multi-layer nature.

Restoration Agriculture is the intentional restoration of healthy, functional ecosystems as the context for economically viable

and agriculture. This concept has grown and evolved out of fields such as agroecology, agroforestry, permaculture, silvopasture, carbon farming, and ecological restoration, but the application of this paradigm to large-scale industrial agriculture is a relatively new idea.

<http://www.savannainstitute.org/>

## Small Acreage and Entrepreneurs Conference (S.A.L.E.)

Gain practical knowledge and explore the possibilities for your small acreage at the Small Acreage and Entrepreneurs Conference (S.A.L.E.) on April 2, 2016, 9 a.m. to 3:30 p.m. The conference will take place at Leah Spratt Hall, Missouri Western State University, St. Joseph, Mo.

The conference will be a day-long learning opportunity for people who are excited to learn more about opportunities with a small acreage and ways they can make income on their land.

Register now at <http://extension.missouri.edu/nodaway/saleconference.aspx> -- \$40/adult; \$25/youth, 18 and under if received by March 26. After March 26, the registration fee is \$60/adult; \$30/youth 18 and under.

## KUDOS

"Total Endocrine Disruptor Chemicals (EDCs) Concentration in Natural Waters". Funded by the USGS (\$44,000). PI: Maria Fidalgo, Co-PIs: Susan Nagel, Chung-Ho Lin. 2016-2018.

"Degradation of Veterinary Antibiotics via Anaerobic Digestion". Funded by the MU Research Board (\$47,940). PI: Teng Lim, Co-PIs: Chung-Ho Lin, Caixia (Ellen) Wan. 2016-2018.

## 3rd European Agroforestry Conference - May 23-25, 2016

EURAF and INRA, the French National Institute of Agronomic Research are hosting the 3rd European Agroforestry Conference in Montpellier. Research topics will include: the selection of shade tolerant crops, the use of models to perform virtual agroforestry experiments and the labelling of agroforestry products. [http://www.agroforestry.eu/conferences/III\\_EURAFConference](http://www.agroforestry.eu/conferences/III_EURAFConference)

 **The Center for Agroforestry**  
University of Missouri

*A Global Center for Agroforestry, Entrepreneurship, and the Environment*

## Upcoming Events

### Agroforestry in Action Webinar: Participatory Research & Outreach in Savanna- Mimicking Agroecosystems

March 30, 2016

11 a.m. CST

<http://www.agroforestryinaction.org>

### Missouri Chapter Walnut Council Spring Meeting and Field Day

April 1-2, 2016

Near New Florence, Mo

Contact: Aaron Twombly - [mowalnutcouncil@gmail.com](mailto:mowalnutcouncil@gmail.com)  
913-704-5210

### 20th Central Hardwood Forest Conference

March 28-April 1, 2016

The MU Reynolds Alumni Center Columbia, Mo.

<http://oak.snr.missouri.edu/centralhardwood>

### Chestnut Growers of America Conference

June 10-12, 2016

MU Anheuser-Busch Natural Resources Building  
Columbia, Mo.

<http://www.chestnutgrowers.org/>

### Elderberry Workshop & Field Tour

June 16-18, 2016

MU Bradford Research Center Columbia, Mo.

Early registration ends May 1st

<https://2015elderberryworkshop.wordpress.com/>

### 4th Annual Agroforestry Academy

July 25-29, 2016

Columbia, Mo.

Registration closes May 1st.

Limited scholarships available for military veterans.

<http://www.centerforagroforestry.org/academy/2016/RegistrationBrochure.pdf>

## Small Acreage & Land Entrepreneur

### S.A.L.E. CONFERENCE

### SAVE THE DATE

Saturday, April 2, 2016



*Gain practical knowledge and explore the possibilities for your small acreage at this informative conference.*

Held on Missouri Western State University Campus in Blum Student Union  
St. Joseph, MO

More information coming soon!  
[www.extension.missouri.edu/nodaway/saleconference.aspx](http://www.extension.missouri.edu/nodaway/saleconference.aspx)

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**Extension**  
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For information:  
**660-582-8101**  
[Nodawayco@missouri.edu](mailto:Nodawayco@missouri.edu)

203 Anheuser-Busch Natural Resources  
(573) 882-0240

[www.centerforagroforestry.org](http://www.centerforagroforestry.org)

Shibu Jose, Ph.D., Director