



# SAVANNA INSTITUTE

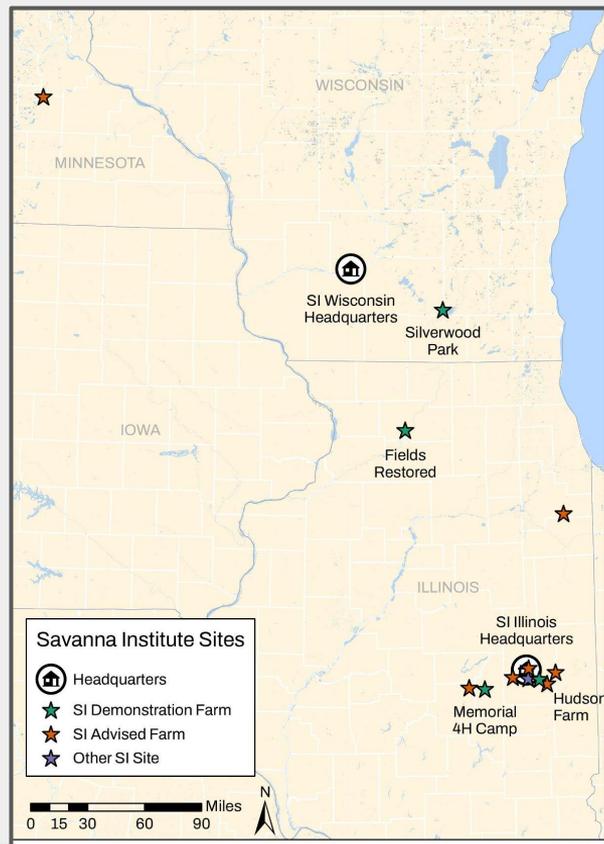
## Propagating connections

Developing a network of agroforestry demonstration farms for shared knowledge, education, research, and community building

Kaitie Adams  
Director of Demonstration Farms  
Savanna Institute  
Illinois, USA



# Savanna Institute Demonstration Farm Network Midwest USA



# What agroforestry demonstration looks like here



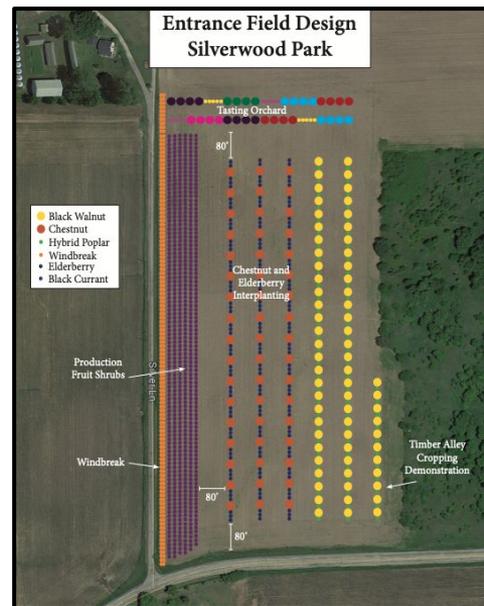
Savanna Institute staff planting trees into an edible, multi-functional riparian buffer at the Fields Restored Demonstration Farm  
April 2021



# Silverwood Park

# Edgerton, WI

## Row Crop & Mixed Tree Alley Cropping with Community Orchard



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# Silverwood Park Edgerton, WI

## Row Crop & Mixed Tree Alley Cropping with Community Orchard



# Memorial 4H Camp Farm      Monticello, IL

## Row Crop & Timber Alley Cropping



### **Species**

Swamp White Oak, Shagbark Hickory,  
Black Walnut, Black Locust, Native Tree &  
Shrub Mix

### **Spacing**

Alleys 200 ft Tree Paddocks 30 ft  
In-row 10 ft



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# Memorial 4H Camp Farm

Monticello, IL

## Row Crop & Timber Alley Cropping



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# Allerton Park Monticello, IL

## Hedgerows for wildlife & profit



### Hybrid Hazelnuts

Open Pollinated,  
Selected Seedlings  
Forest Agriculture Nursery

### Spacing

In row	5 ft
Between row	10 ft

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# Fields Restored Oregon, IL

## Multi-functional, Edible Riparian Buffer



		North						
Row Ft	Road	Row	Tree	Row Ft	Space between Trees	Space between Rows	Total Number of Trees	Number of Tree Tubes
550		1	American Plum	550	15		37	37
550		2	Paw Paw	550	15	12	37	37
550		3	Elderberry	550	5	10	110	0
550		4	Buttonbush	550	5	8	110	0
550		5	Willow	550	2	8	275	0
550		CREEK	CREEK	CREEK	CREEK	CREEK	CREEK	CREEK
550		6	Willow	550	2	8	275	0
550		7	River Birch	550	20	10	28	28
550		8	Red Dogwood	550	5	8	110	0
550		9	Yellow Dogwood	550	5	8	110	0
550		10	American Plum	550	15	10	37	37
550		11	Persimmon	550	15	12	37	37
550		12	Shagbark Hickory	550	20	12	28	28
550		13	Persimmon	550	15		37	37
		<b>South</b>				<b>1228</b>		<b>238</b>

**Notes**

Rows oriented W to E

In-row spacing will increase over time with selective tree removals starting at year 10

Row 13 persimmon planting will alternate with border trees planted in 2019



# Fields Restored

## Oregon, IL

Multi-functional, Edible Riparian Buffer



# Fields Restored Oregon, IL

## Silvopasture by Addition Experiment



# Fields Restored Oregon, IL

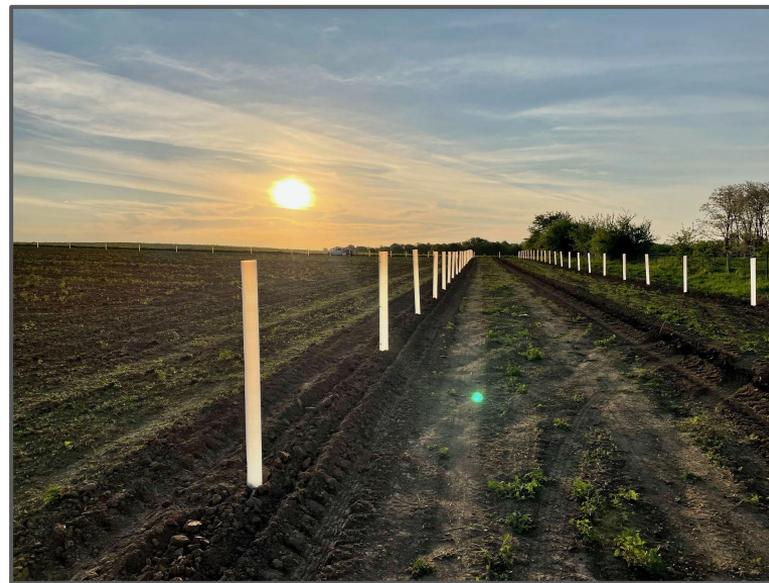
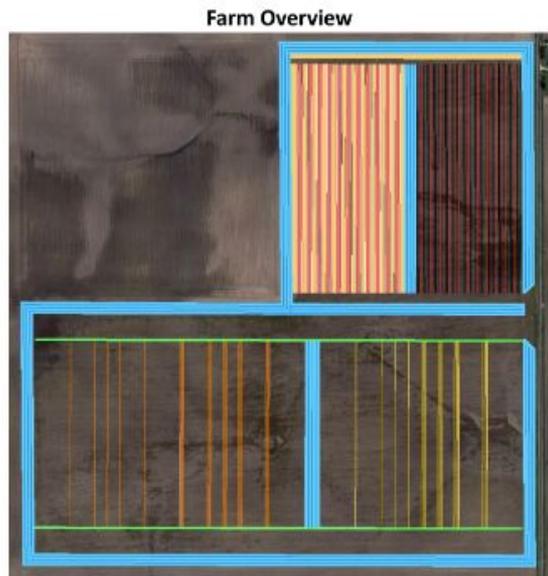
## Silvopasture by Addition Experiment



Hudson Farm

Urbana, IL

# Row Crop & Mixed Species Alley Cropping, Windbreak, Variety Trials



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# What's Working?



- Unique Collaborative Partnerships on public and private lands
- Ability to engage in landscape specific practices & management strategies
- De-risking through experimentation, data collection, and lots of mistakes
- Hubs for Education & Outreach
  - Field Days
  - Tours
  - Ag Professional and Farmer Trainings
  - Educational signage
- Beacons of Possibility



# What's Not?



- Multiple farms spread out across the landscape
- Hard to get timing just right for key management strategies like mowing, spraying, breaking pest cycles, etc. Same for research data collection
- Challenges to being in good relation and communication with all partners
- Inconsistent funding for fieldwork during establishment and pre-harvest years
- Vastly different cropping systems and practices than neighboring farms
- Small network of peer support



Let's connect our work to share  
knowledge, solve problems, and  
breakdown barriers





## Agroforestry Demonstration Network

Please add yourself to this open-source list of agroforestry demonstration projects across the globe.

### CRITERIA:

1. Landscape currently features agroforestry (farming with trees)
2. Agroforestry plantings are utilized as spaces for demonstration and education (for students, researchers, farmers, landowners, conservation professionals, agricultural professionals, etc.)
3. You have permission from the farmers, landowners, and/or operating entity to publicly share the landscape's information (name, location, contact information)

 [kaitie@savannainstitute.org](mailto:kaitie@savannainstitute.org) (not shared) [Switch account](#) 

Farm or Landscape Name

Your answer

Country

Your answer

GPS Coordinates

Your answer

<https://forms.gle/Z62aaROxH2A5hXie9>

## Agroforestry Demonstration Network

### Agroforestry Demonstration Sites

-  Memorial 4H Camp Demonstration Farm (Savanna Institute)
-  Fields Rectorod Demonstration Farm (Savanna Institute)
-  Hudson Farm (Savanna Institute)
-  Silverwood Park (Savanna Institute)
-  Spring Green Campus (Savanna Institute)

This open-source map allows agroforestry demonstration projects to find each other and more deeply collaborate.

Map Admin:  
Kaitie Adams, Savanna Institute  
[kaitie@savannainstitute.org](mailto:kaitie@savannainstitute.org)

Add yourself to the map by filling out this form: [https://docs.google.com/forms/d/e/1FAIpQLSetxVhcB-hQZAv8U\\_FC5fWcNwsx-cglyG0AnQy\\_Q\\_xijckf\\_g/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSetxVhcB-hQZAv8U_FC5fWcNwsx-cglyG0AnQy_Q_xijckf_g/viewform?usp=sf_link)



<https://www.google.com/maps/d/u/0/edit?mid=1i7cpc0zzzklwLVcolj8VoyhebkGLQg&usp=sharing>



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# SAVANNA INSTITUTE

*Laying the groundwork for widespread agroforestry in the Midwest*



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