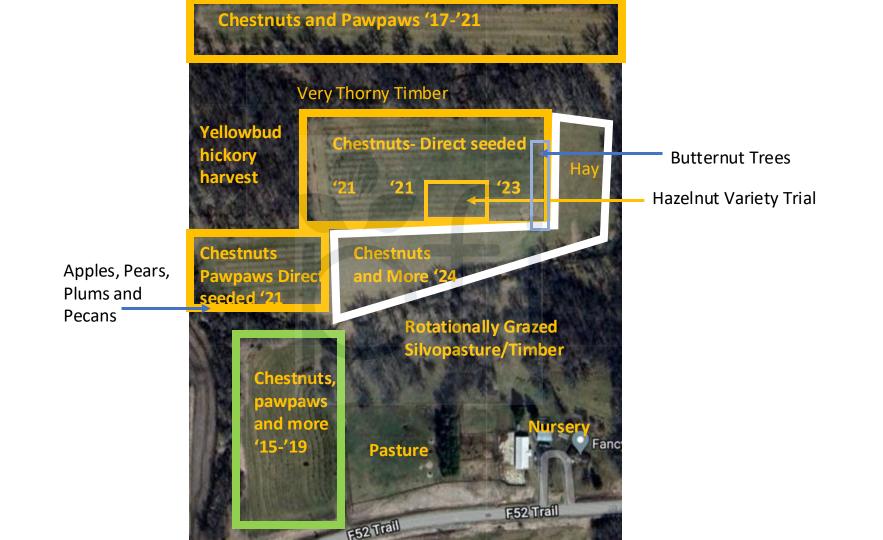
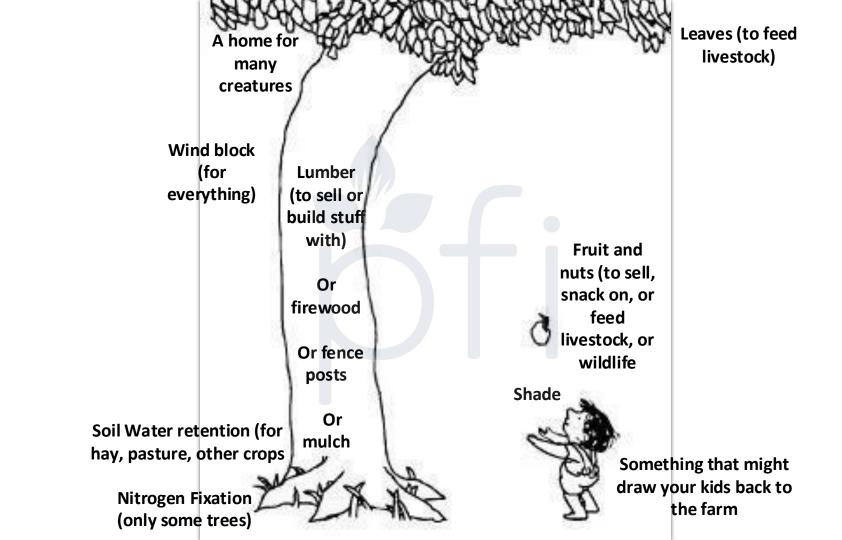
Using Agroforestry and Sometimes outside funding to meet Farming Goals







My Personal Farm Goals and Anti Goals

Goals

Anti Goals

- 1. Profitable Business based on Food Production
- 1. Build and Improve soil
- 1. Life Flexibility
- 1. Work outside with trees, friends and family

- 1. Avoid Debt
- 2. Avoid Machinery
- 3. Avoid systems that require large amounts of inputs to function

What are your goals and antigoals? Think farm and lifestyle

Write them down, I'll ask you to share some but not all:)







Profitable Food Production

- Not always the best way to make money on a farm
- Agrotourism (overnights, photo-ops, youpicks)
- Event space
- Hunting (habitat development)
- Education
- Products other than food (xmas trees, foraging, flowers, seed, nursery plants)
- Use agroforestry to enhance production of annuals (windbreak, snow fence, nitrogen fixers)

 Maybe you have a piece of land and profitable farm business isn't really your goal. That's okay.



Chinese Chestnuts- Medium scale, wholesale production

Goals

- Profitable food Production: Can produce 2000-3000lbs per acre of high quality human food, sell for \$4/lb or more, demand is bigger then supply
- 1. Soil: Only have to dig a hole once, can keep the ground in continues perennial coverage
- 1. Flexibility: Can plant trees and walk away, take a trip, go to nursing school, snow bird, ect.
- Outside and social: Planting trees and hand harvesting brings people together



Chinese Chestnuts- Medium scale, wholesale production

Anti Goals

- 1. Debt: Low-ish start up cost if you already own land or can lease land
- 2. Machinery: Can plant and harvest and do most everything by hand and the industry is small enough that you don't need to use machinery to be competitive

3. Outside inputs: Plant the tree, mulch, tree tube, visit it a few times a year for care- otherwise it

will grow unassisted.



Chinese Chestnuts- Medium scale, wholesale production

Outside funding that I've used:

- -Trees forever working watershed grant
- -Savannah Institute Mentorship program, as Trainee at Red Fern Farm and as a trainer.

Outside funding that might have been or would be available to me if I were to start this project now.

NRCS

Savannah Institute connections



Foraged Finished Beef, Rotationally Grazed through Silvopasture

Goals

- 1. Profitable food: Local demand for grass-finished beef, I can sell it at a premium.
- 2. Soil: Intensive rotational grazing uses ruminates to trample grass into the soil (mulching) and adds poop and more microbes- one of the best ways to build soil.
- Flexible: Single strand fencing, I can move them every day or every few days or put them in a "vacation lot"
- 1. Outside, Social: The cattle are what get my outside regularly, to every corner of the farm, climbing through ravines and into corners of the timber. Cattle are what guests and kids want to see when they visit.



Foraged Finished Beef, Rotationally Grazed through Silvopasture

Anti Goals

- 1. Debt: I personally started with just a few pair off craigslist. Single strand electric fencing is cheap. Already had some infrastructure
- 2. Machinery: I have someone hay for a portion of the hay, and set the bales up in a grid for me to winter graze. Borrow a trailer or hire someone to haul to the butcher.
- 3. Inputs: All they regularly need from off farm is some salt, mineral and a little bit of higher protein hay





Foraged Finished Beef, Rotationally Grazed through Silvopasture

Outside funding I've used:

PFI's rotational grazing infrastructure cost share

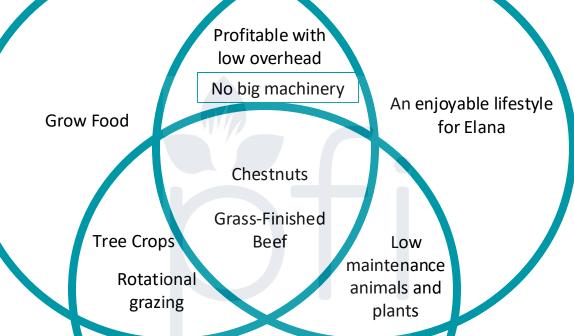
Other outside funding that could have been or would be available to me.

NRCS (equip? CSP)



Share some of the Goals you wrote down





Wildlife habitat/conservation/regenerative practices, build soil

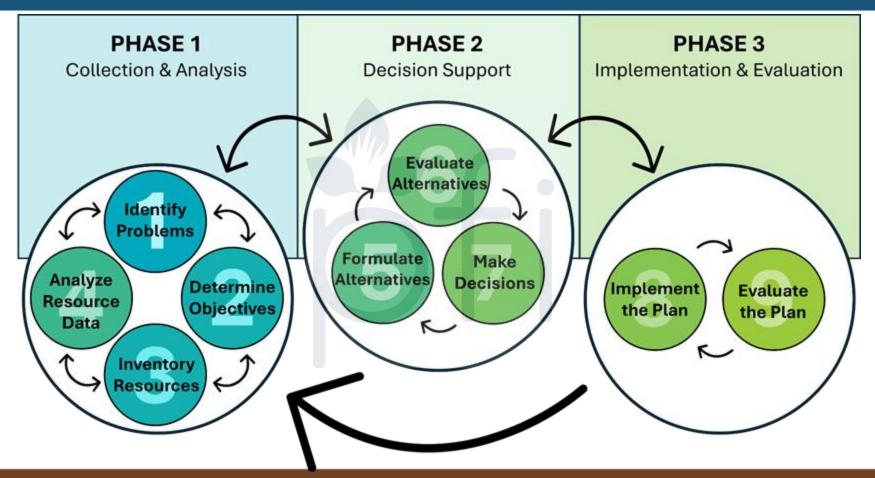
Financial Assistance Programs, do they align with your goals?

- 1. Don't change your practices to fit into any certain grant or cost-share programs
- 1. Be aware of the potential for delayed timeline and how it might impact your project
- 1. Know the repercussions if you do not complete your end of the agreement





Financial Assistance for Agroforestry Practices
Bailey J. Yotter, Forester





4) NRCS uses the information collected during Step 3 to define current problems and identify resource concerns.

3) Walk the property together; NRCS collects information/data to help define the problems and identify the opportunities.

- 2) Elana identifies her objectives and NRCS shares how our agency can or cannot help her achieve them.
- 1) Elana shares her concerns about the property and her ideas for addressing them.

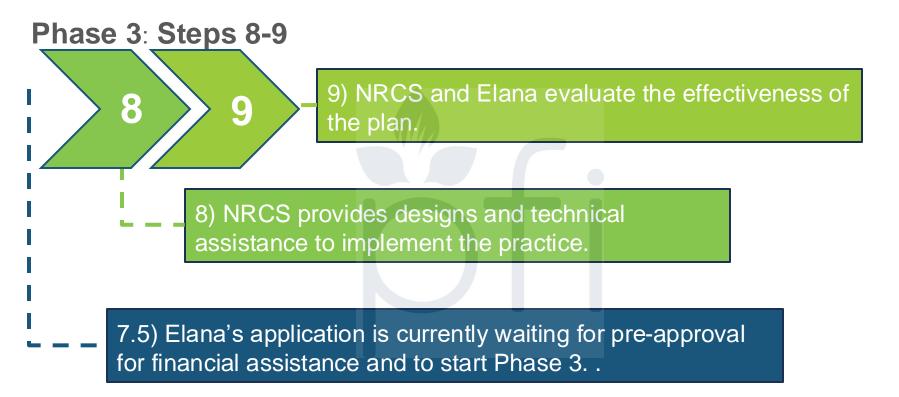
Phase 2: Steps 5-7



7) Elana chooses which practices will work best for her operation and then the plan moves to application ranking.

6) NRCS considers alternatives to determine their effectiveness in addressing Elana's problems, opportunities, and objectives.

5) NRCS uses the information and data collected to solve the identified problems, find opportunities, and meet Elana's needs.



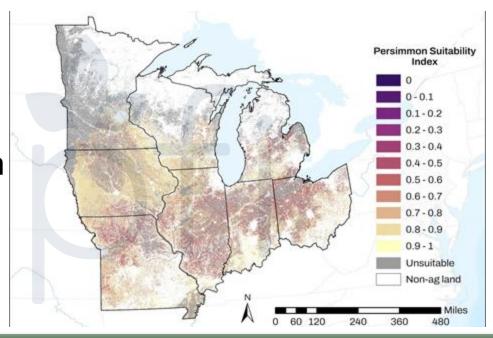
NRCS Agroforestry Practice FY19-FY24

Alley Cropping	3
Windbreaks	1023
Silvopasture	8
Riparian Forest Buffers	116
Grand Total	1150

- We have a lot of work to do.
- Actively expanding, learning, and increasing opportunities.
- What's next?
 - Urban/Small Scale and Organic RC
 - Improved Technical Assistance and planning.

What does Savanna Institute do?

- Research
- Demonstration
- Commercialization
- Adoption
- Education





Savanna Institute Technical Service Program







What?

What are the client's goals?

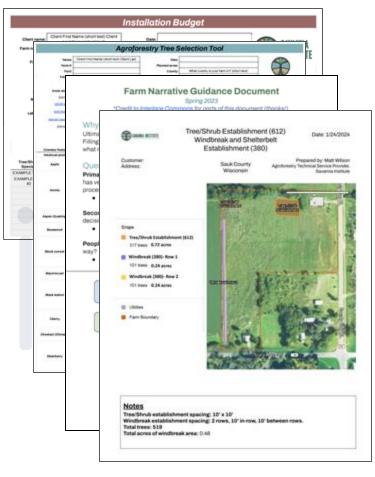
What can grow on the site?

+

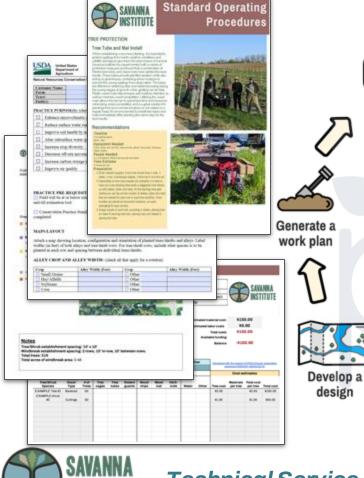
What funding is available?



Technical Service Program



Agroforestry Plan!





Connect to

resources









Write a Farm

Narrative



Assess **Economics**

Technical Service Program



Savanna Inst Technical Ser Application

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deviation making process.

Farm Narrative Guidance Document Storing 2007 Chall IV provide Complete for sents of the discovert (flurida)

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Is this program · Durngles, Senant Salely-members, managers, etc.

We have a limit service. Current

Alley Crops















Goal Setting - Agroforestry Specific

Savanna Institute's Farm
 Narrative Guidance Document

Is agroforestry a good fit?

Farm Narrative Guidance Document

Spring 2023

*Credit to Interlace Commans for parts of this document (thanks!).

Why a Farm Narrative?

Ultimately, the ideal plan for the land you steward is the one that best fits your goals. Filling out a Farm Narrative will help you stemtify what you want to do, who can help, and what resources are available. It's a critical step in making sure agroforestry is a great fit!

Questions and Examples

Primary Decision Makers: Who are the primary decision makers for your farm? Who has veto power? Please list them below and describe their role in the decision-making process.

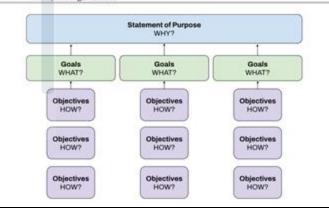
Examples: Landowner, business partner, bank, board members, etc.

Secondary Decision Makers: Please list them below and describe their role in the decision-making process.

· Examples: Tenant, family members, managers, etc.

People and Organizations of Influence: Who has helped you or inspired you along the way?

 Examples: NRCS, Soil and Water Conservation or Extension staff, other farmers, non-profit organizations

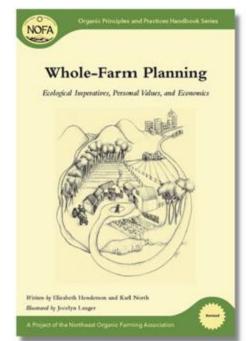




Interested? Great! But we don't have the capacity right now

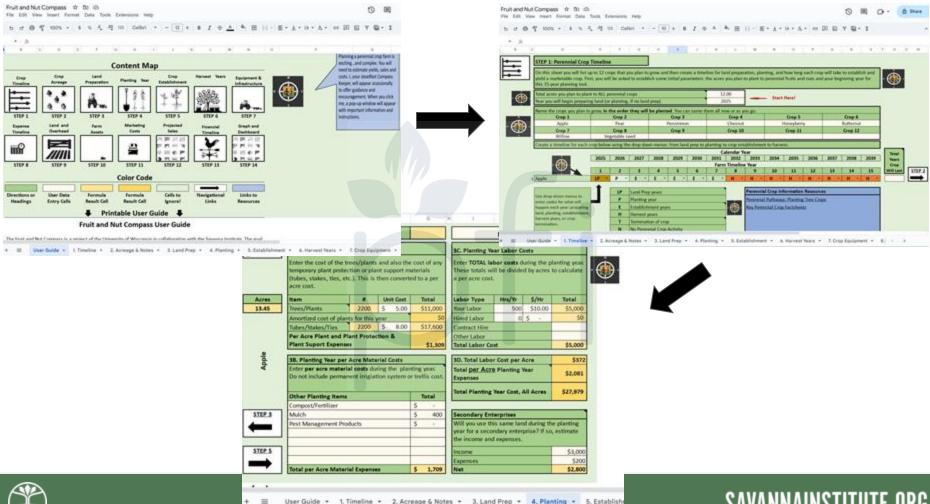
What can you do in the meantime

- Contact your local NRCS office and determine their ability to offer cost share for these practices
- Develop a **FOREST MANAGEMENT/ACTION PLAN** (ask Bailey)
- Enroll in Holistic Management Goal Setting Foundational HMI (worth the \$\$\$!)
- (For silvopasture) develop a GRAZING PLAN with your local office
- Begin planning with the Fruit and Nut Compass & Canopy Compass
- Learn about the crops and practices That's Savanna Institute! That's what we can do right now!







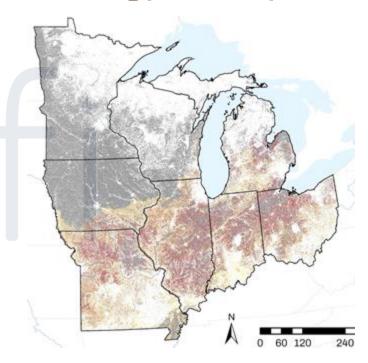




Canopy Compass Powered by SI's Research

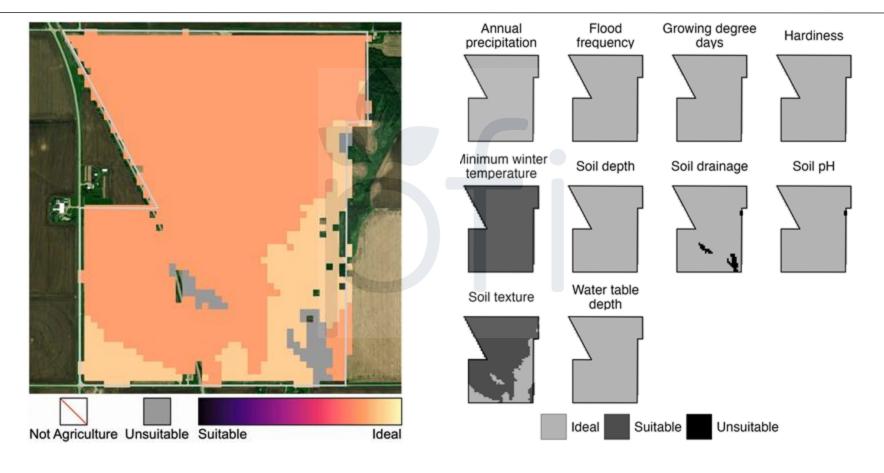
New website powered by custom-built software using public and private data

- Answer "Does this crop grow on my land?"
- Soil & climate
- Parcel & field boundaries
- Crop suitability maps
 - Based on 3 years of research at the Savanna Institute
 - Scientific literature
 - University extension publications
 - Interviews with experts



Crop Suitability Map

Chestnut Example



YouTube Channel @SavannaInstitute



Perennial AF blog and podcast

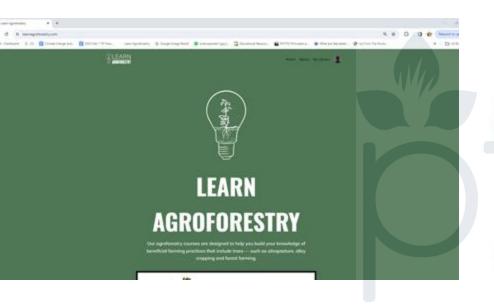




Free online resources - from beginner to expert



www.learnagroforestry.com



AGROFORESTRY

FOR NATURAL RESOURCE PROFESSIONALS

This agroforestry training program is custom designed for individuals like you who work with land managers, with the goal of helping you expand your knowledge of agroforestry to better serve your clients and community. Six courses offer a deep-dive into key agroforestry topics: forest farming, silvopasture, and alley cropping and more.







The Nature Conservancy



Expanding Agroforestry Production and Markets

FOR PRODUCER PROFITABILITY AND CLIMATE STABILIZATION



Aproforestry helps increase producer's income, while mitigating climate change. Aproforestry in Hawai'i C Troy Keplanui

The Nature Conservancy (TNC) and multiple partners across the United States launched a project in early 2023 to expand agroforestry plantings across 30 states (see map, p. 2). The five-year project is designed to catalyze significant private investments into the agroforestry industry while increasing producers' incomes and delivering environmental benefits such as erihanced carbon sequestration, soil health, biodiversity, and water quality.

Funding for the Expanding Agreforestry Production & Markets for Producer Profitability and Climate Stabilization project is through the USDA's Partnerships for Climate-Smart Commodities, a funding initiative to drive natural climate solutions by financing partnerships that support the production and marketing of climate-smart agricultural and forestry commodities through pilot projects. In 2022, USDA announced more than \$3.1 billion in funding for 141 projects, with the requirement that each project include meaningful involvement of small and underserved producers.

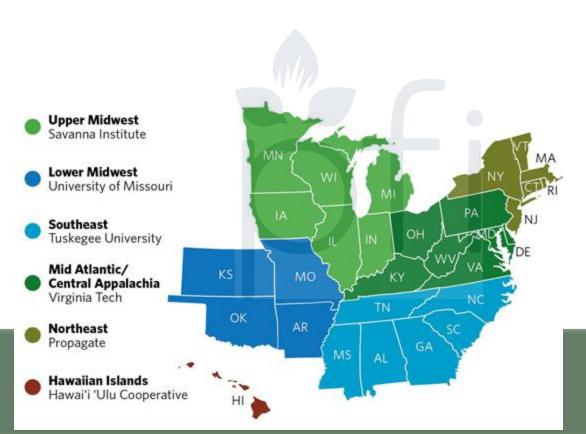
Climate Benefits of Agroforestry

In the United States, agriculture is responsible for almost 600 million tons of CO2e emissions annually, or 11% of all the emissions in the U.5. Yet agroforestry has the potential to be a significant natural climate solution.

Agroforestry practices can sequester 2 to 4 tons of carbon per acre per year in plant biomass and soil, as well as through a reduction in practices



Expanding Agroforestry Project





Thanks for joining us!

