Climate Resilient Pastures:

Establishing long-lived, multipurpose fodder, fruit & nut trees in an Upper Midwest silvopasture system

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USDA Sustainable Agricultural Research and Education (SARE) and Natural Resource Conservation Services (NRCS) Environmental Quality Incentives Program (EQIP)



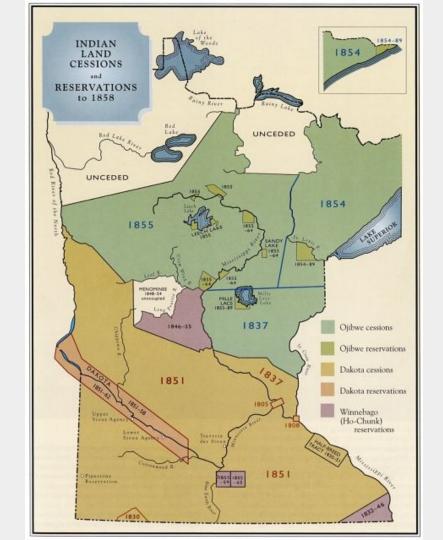


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Land Acknowledgement

We farm and make our home on land that is the ancestral home of the Dakota peoples. We grieve for the violence, genocide and desctruction white colonialism brought to this place and these peoples. We humbly acknowledge the land belongs to itself.





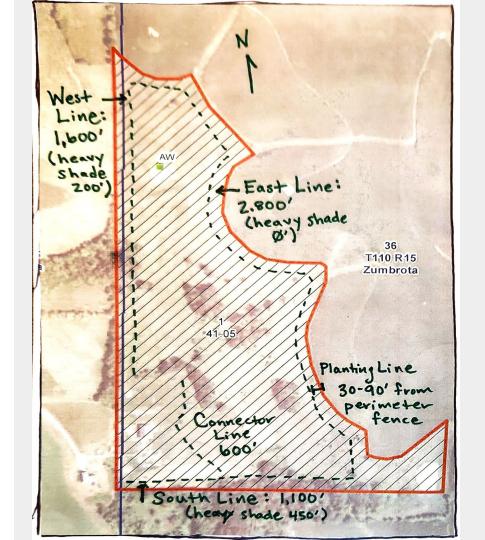


- > Southeastern Minnesota
- > Zone 4b
- > 50ac, 45ac in pasture
- Partial oak savanna
- Grassfed beef & pastured pork from birth to finish
- > 8-12 cow-calf pairs
- > 4 sows with feeders

Added 600 trees in 2024

Drop in-place leaf fodder, tree hay & silage, fruit & nut mast:

- "Red" Mulberry
- Northern Pecan
- Chestnut
- Shagbark Hickory
- Hazelnut
- Apple
- Pear
- Serviceberry
- Persimmon





The planting:

- Perimeter loop 60-100ft off external fence
- Planted 2/3s red mulberry
 & other species in pollinating groups
- Wire cage protection + polywire protection lane to protect from browsing & create additional paddocks
- Mulch to be added this winter

Funding for Project

NRCS EQIP:

\$29/tree with woven cage protection for HU populations in Minnesota (payment for completed practices after being certified)

- Trees
- Posts
- Cages
- Planting Labor

SARE:

Up to \$15,000 to explore sustainable farming solutions and education opportunities (grant with budgeted expenses & required reporting)

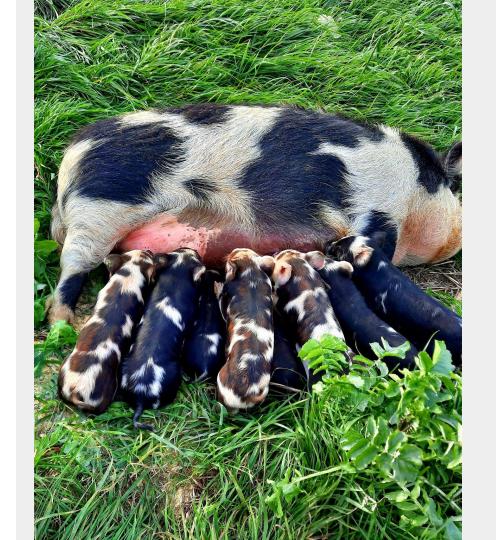
- Polywire protection materials & labor
- Mulching equipment & labor
- Watering equipment & labor
- Leaf fodder nutrition sampling
- Outreach

What's Next

Yr 2 (2025) - Collect leaf-fodder samples & report feed nutritional values

Yr 3-5 (2026-2028) - Track survival & growth rates (production for some species)

Yr 6+ (2029+) - Plant a second loop with seedlings from thriving producers





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