Minnesota Million: A Shared Vision for Reforestation
An Opportunity

The Nature Conservancy’s *Reforestation Hub* provides clarity into the statewide opportunity for Minnesota

https://www.reforestationhub.org/
Where To Start?

1.19 Million Pasture- Areas of grasses, legumes, or grass-legume mixtures planted for grazing, seed production or hay crops. Opportunities that fall within pasture with soil types that constrain production.

398,000 Urban Open Space- Opportunities with some human construction (< 20% of cover), but mostly vegetative cover typically in the form of lawn grasses.
1 Million Acres: What Will it Take?

Seed Collection

Seedling Production

Planting

Ongoing Care
Seed Collection

• Balancing getting ENOUGH seed with getting the RIGHT seed
• Support expansion and improvement of DNR collection systems
• Train trainers and recruit new collectors of all ages and experience levels – targeting geographies with the most need
• Connect collectors and collection sites with an app and database
• Map out pathways from seed to planted tree to better understand bottlenecks
• Work to understand market demands – species and genotypes
• Pilot additional resources for cleaning/storage
Seedling Production

• Better storage options for overwintering seedlings
• Support capacity increases for Tribal and private growers
• Technical assistance and mentorship opportunities
• Market research to understand demand dynamics around stock types
• Connect growers to local and appropriate markets
Outplanting

• Incentives for landowners – financial, emotional, intrinsic
• Technical assistance and planting plans
• Tree planting vendors
• Shared planting crews who can go where the needs are (public/private partnership opportunities?)
• Enough funding to promote good prep and maintenance for long term survival (herbivory protection, watering etc.)
Care and Tending

• The right tree for the right place
• Site appropriate herbivory considerations and protections
• Workforce development
$4.9 Million USDA Award: Minnesota Climate Smart Seed and Seedling Production Network!!

- Training and hands on technical assistance to seed collectors and seedling producers
- Paid opportunities for seed collectors
- Sharing resources and knowledge
- Start up funding for new growers
- Expansion of farmer grower model
- Increased genetic and species diversity
- Marketing assistance
Nationwide USDA Agroforestry Award!

- Connect to demand for products grown as a part of the Climate Smart Seedling Production Network (previous slide)
- Promoting wind breaks, alley cropping, and silvopasture practices to private landowners throughout Southeastern MN
Questions for this group:

- Is ash underplanting or replacement reforestation?
- Can we measure the difference in carbon benefits between seedlings grown from seeds sourced from southern zones and conventionally sourced seeds?
- Are there programs in MN to collect and save ash seeds that we could support?
Thank you!

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