

Community-based multiplication of sweet potato vines and cuttings

Boost Your Yield and Cut Costs with Community-Sourced Sweet Potato Vines.

Community-based multiplication of sweet potato vines is a scalable agricultural technology that enhances the quality and availability of planting materials in rural communities. It addresses challenges such as cost reduction, pest management, and timely distribution, while utilizing local resources. This adaptable method supports smallholder farmers, making it a valuable tool for rural communities.



This technology is **TAAT1 validated**.



5/5



Scaling readiness: idea maturity 5/9; level of use 5/9

Gender assessment



Climate impact



Problem

1. Limited access to quality materials.
2. High prices and distribution issues.
3. Lack of effective measures.
4. Limited access for smallholder farmers.
5. High susceptibility in crops.

Solution

1. Organize large-scale multiplication of sweet potato vines.
2. Establish reliable supply chains and improve rainy season distribution.
3. Enhance quality, reduce prices, and achieve economies of scale.
4. Maintain hybrid and resistant varieties effectively.
5. Guard against pests and diseases using local resources.

Key points to design your project

The community-based multiplication of sweet potato vines and cuttings is a technology that can significantly impact gender equality, climate resilience, and multiple Sustainable Development Goals (SDGs). It empowers women by providing them with agricultural opportunities, enhances climate resilience through the cultivation of a resilient crop, and contributes to several SDGs, including ending hunger, promoting decent work and economic growth, and supporting responsible consumption and production.

To integrate this technology into a project, the steps include project planning, dissemination of advantages, planning of multiplier sites, procurement of planting materials, implementation of the multiplication process, quality control and pest management, distribution of planting materials, and monitoring and evaluation. The success of the project relies on the collaboration and participation of the entire community.

Cost: \$5

10,000 usd

Capital investments for a screen house, irrigation system, fertilizers and disease control agents to set up a sweet potato multiplication site Per 0.4 ha



Open source / open access



International Potato Center (CIP)

Norman KWIKIRIZA

Technology from

ProPAS

Commodities

Sweet Potato

Sustainable Development Goals



Categories

Production, Practices, Seed system

Best used with

- [Orange-Fleshed Sweet Potato \(High provitamin A\)](#) >
- [Drought and Virus Tolerant Orange-Fleshed Sweet Potato](#) >
- [Tent-style greenhouse for multiplication of sweet potato vines and cuttings](#) >
- [Specialty blended fertilizers for root and tuber crops](#) >

Tested/adopted in



Where it can be used

This technology can be used in the colored agro-ecological zones.



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<https://e-catalogs.taatafrica.org/gov/technologies/community-based-multiplication-of-sweet-potato-vines-and-cuttings>

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