Community-based multiplication of sweet potato vines and cuttings

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

International Potato Center (CIP)
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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

Cost: $$$

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

IP

Open source / open access

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.

Gender assessment 4

Climate impact 7

Technology from

ProPAS

Commodities

Sweet Potato

Sustainable Development Goals

2 ZERO HUNGER · 8 DECENT WORK AND ECONOMIC GROWTH · 12 RESPONSIBLE CONSUMPTION AND PRODUCTION

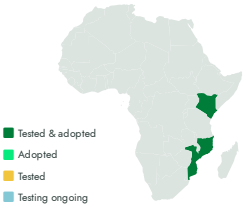
Categories

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.