

# 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.



**International Potato Center (CIP)**  
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✓ This technology is **TAAT1 validated**.
5.5
Scaling readiness: idea maturity 5/9; level of use 5/9

Gender assessment 👍 4

Climate impact 👍 7

### 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.

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

Technology originally documented by

ProPAS

Commodities

Sweet Potato

Sustainable Development Goals

Categories

Production, Practices, Seed system

Tested/adopted in

Where it can be used

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

Target groups

Farmers

