

Tent-style greenhouse for multiplication of sweet potato vines and cuttings

Greenhouse Solutions for Thriving Sweet Potato Farms

The tent-style greenhouse, built with local materials and screen nets, provides an optimal, pest-free environment for sweet potato vines. It maintains soil moisture and ensures the production of high-quality, disease-free planting material. This cost-effective and easy-to-assemble technology is a practical tool for farmers to increase sweet potato yield.



International Potato Center (CIP)
Paul Demo

Technology from

[ProPAS](#)

Commodities

Sweet Potato

Sustainable Development Goals



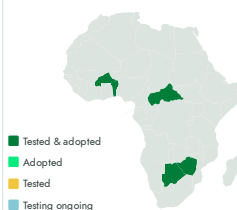
Categories

Production, Equipment, Seed system

Best used with

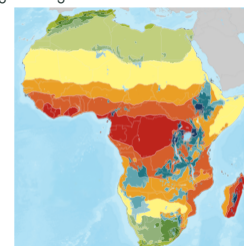
- [Orange-Fleshed Sweet Potato \(High provitamin A\)](#)

Tested/adopted in



Where it can be used

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



✓ This technology is **TAAT1 validated**.

8-9



Scaling readiness: idea maturity 8/9; level of use 9/9

Gender assessment

4

Climate impact

6

Problem

- **Planting Material:** Shortage and degradation over time.
- **Pests/Diseases:** Susceptibility impacting crop health and yield.
- **Infrastructure/Cost:** High costs and local material availability issues.

Solution

- **Efficient Production:** Multiplication of healthy vines and cuttings.
- **Pest/Disease Control:** Screen nets for a pest-free environment.
- **Cost-Effective:** Built with cheaper, locally available materials.

Cost: \$\$\$ **7.66 USD**

total investment per square meter

4.9 USD

sales of vines per square meter

ROI: \$\$\$ **56 %**

over 3 year



Open source / open access



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<https://e-catalogs.taatafrica.org/org/technologies/tent-style-greenhouse-for-multiplication-of-sweet-potato-vines-and-cuttings>

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