

Leaf-bud Cuttings: Rapid Yam Multiplication Method

Yam leaf-bud cuttings, rapid quality seed production!

Leaf-bud Cuttings use vine segments to rapidly produce clean seed yam in low-cost nurseries. With up to 30:1 multiplication, it boosts productivity, reduces virus spread, and supports resilience in vulnerable farming communities. Simple, scalable, and impact-driven.



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Commodities

Yam

Sustainable Development Goals



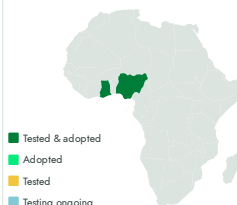
Categories

Pre-production, Practices, Seed system

Best used with

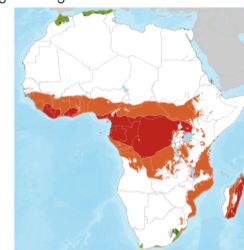
Semi-Autotrophic Hydroponics for yam multiplication
See all 1 technologies online

Tested/adopted in



Where it can be used

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



Target groups

Farmers, Seed companies,

 This technology is **pre-validated**.

 **9.7**



Scaling readiness: idea maturity 9/9; level of use 7/9

Inclusion assessment

 **4**

Climate impact

 **4**

 **1**

Problem

- Millions of farmers rely on infected, low-quality seed tubers, leading to up to 40% field losses and low adoption of improved varieties.
- Climate shocks are worsening the situation, yet there's no formal seed system to build resilience.
- This limits the long-term impact of development investments.

Solution

- Rapid vine multiplication boosts seed availability and farmers' food security.
- Cleaner, disease-free planting material improves resilience and crop productivity.
- The technology enables inclusive growth, creating jobs and enhancing the impact of development investments.

Key points to design your program

LBC is a game-changing innovation for sustainable seed systems—scaling improved yam varieties faster, reducing losses from pests and disease, and lowering production costs. It directly supports food security, climate resilience, and inclusive agribusiness development in yam-growing regions. To integrate it in program,

- Fund training, starter kits, and outreach to build LBC capacity at farmer and institutional levels.
- Embed LBC within ongoing seed system strengthening and climate-smart agriculture programs.



Open source / open access



Leaf-bud Cuttings

<https://taat.africa/vmo>

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