

Cassava Seed Field Multiplication Protocol

From planting to certification—seed production made simple.

The Field-Based Propagation of Cassava approach enables fast, efficient, and scalable production of high-quality, disease-free cassava seeds using methods like SAH plantlets and pencil stems. With SeedTracker for certification and traceability, businesses can meet the growing demand for reliable seeds and invest in sustainable agriculture.




International Institute of Tropical Agriculture (IITA)
Elohor Mercy Diebiru-Ojo

Commodities

Cassava

Sustainable Development Goals



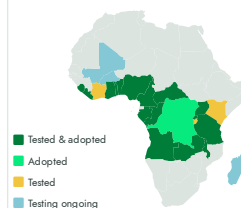
Categories

Pre-production, Practices, Seed system

Best used with

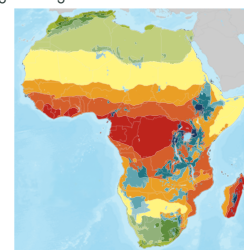
Semi Autotrophic Hydroponics for Cassava
Multiplication, Early Generation Seed
Production of Cassava
See all 2 technologies online

Tested/adopted in



Where it can be used

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



Target groups



This technology is **pre-validated**.

9-9



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

1,864 USD/ha

Production Cost

77.88 %

ROI

3,316 USD/ha

Revenue



No formal IP rights

Problem

- **Low-quality seeds:** Traditional methods result in poor-quality, diseased seeds, limiting market demand.
- **Slow seed production:** Conventional methods are time-consuming, leading to insufficient seed supply.
- **Market access challenges:** Limited infrastructure and inefficient distribution make it hard to get certified seeds to farmers.

Solution

- **Faster production:** Using SAH plantlets and pencil stems, seeds are multiplied more quickly and efficiently.
- **High-quality seeds:** Ensures disease-free, high-quality seeds, meeting market standards and increasing demand.
- **Seed certification and traceability:** With **SeedTracker**, seeds are certified, ensuring quality and transparency in the supply chain.

Key points to design your business plan

The private sector ensures efficient seed production, quality control, and market access.

Key Elements:

- Secure high-quality seeds from reliable sources.
- Isolate fields to prevent disease contamination.
- Use **SeedTracker** for seed certification and traceability.
- Invest in necessary infrastructure like irrigation systems.
- Develop a business plan for sustainable profitability in 2-4 years.

Inclusion assessment



Climate impact



Cassava Seed Field Multiplication Protocol

<https://taat.africa/jah>

Last updated on 30 June 2025, printed on 30 June 2025

Enquiries e-catalogs@taat.africa