Cassava Seed Field Multiplication Protocol

From planting to certification—seed production made simple.

This approach helps governments improve food security by ensuring farmers have access to high-quality cassava seeds. Using efficient multiplication methods like SAH plantlets, it boosts seed production and supports agricultural productivity through public-private collaboration.

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

This technology is pre-validated.

9·9 Scaling readiness: idea maturity 9/9; level of use9/9

Inclusion assessment 4

Climate impact 5

Problem

- **Inadequate certified seed supply:** Farmers may not have reliable access to sufficient quantities of quality cassava planting materials.
- **Quality control challenges:** Inconsistent production practices complicate seed inspection and certification.
- **Limited distribution capacity:** Slow multiplication and insufficient seed networks can restrict access to improved varieties.

Solution

- **Improve seed availability:** Promote efficient multiplication methods to increase the supply of quality cassava planting materials.
- **Strengthen regulation:** Support standardized production, inspection, and certification procedures.
- **Develop seed systems:** Invest in seed entrepreneurs, production infrastructure, and traceability tools.

Key points to design your project

Governments create the regulatory framework and support infrastructure for cassava seed production.

Key Elements:

- Enforce seed certification standards through agencies like **NASC** and **TOSCI**.
- Support seed entrepreneurs with financial assistance and training.
- Build infrastructure, especially irrigation systems, for seed production.
- Develop policies that support the growth of the cassava seed industry.
- Promote the adoption of tools like **SeedTracker** and **PlantVillage Nuru**.

3,316 USD/ha
Revenue

IP
No formal IP rights

Commodities

Cassava

Sustainable Development Goals

1 NO POVERTY · 2 ZERO HUNGER · 8 DECENT WORK AND ECONOMIC GROWTH · 12 RESPONSIBLE CONSUMPTION AND PRODUCTION

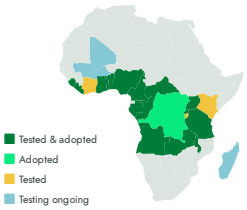
Categories

Pre-production, Practices, Seed system

Best used with

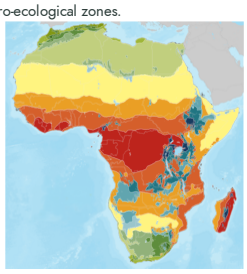
Semi Autotrophic Hydroponics for Cassava Multiplication, Early Generation Seed Production of Cassava
See all 2 technologies online

Tested/adopted in



Where it can be used

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



Target groups