CGIAR

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.

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	U This technology is pre-validated.	Scaling readiness: idea maturity 9/9; level of use 9/9	Sustainable Developme	ent G
	Gender assessment	Climate impact	1 ^{NO} POVERY 2 IENO N*****	5
Problem		Solution	12 RESPONSIBLE CONSUMPTION AND PRODUCTION	

faster and more reliable.

production and distribution.

Efficient seed multiplication: Using SAH

plantlets and pencil stems, seed production is

• Improved food security: Guarantees a steady

supply of certified, disease-free seeds to farmers. • **Public-private collaboration**: Governments can

partner with the private sector to scale up seed

- **Inadequate seed supply**: Farmers lack access to reliable, disease-free cassava seeds, affecting food security and productivity.
- Slow seed multiplication: Traditional methods fail to meet the increasing demand for certified cassava seeds.
- **Disease spread**: Use of infected planting materials contributes to the spread of harmful cassava diseases.

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.

1,864 USD/ha Production Cost

3,316 USD/ha

Revenue

77.88 % ROI **DIP** No formal IP rights



Elohor Mercy Diebiru-Ojo

Categories

Pre-production, Practices, Seed system

Best used with

IITA

- <u>Semi Autotrophic</u>
 <u>Hydroponics for Cassava</u>
 <u>Multiplication →</u>
- <u>Early Generation Seed</u>
 <u>Production of Cassava ></u>

Tested/adopted in



Where it can be used

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



Target groups



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