

Cassava EGS Model: Early Generation Seed Production of Cassava

Breeder & Foundation Cassava Seeds—Always Within Reach

This model helps government projects secure a steady supply of quality cassava seeds by linking research centers with certified seed producers. It ensures national standards, supports disease control, and improves farmer access to reliable planting material, making large-scale cassava production more effective.



IITA
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Commodities

Cassava

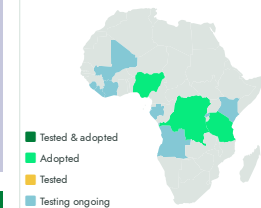
Sustainable Development Goals



Categories

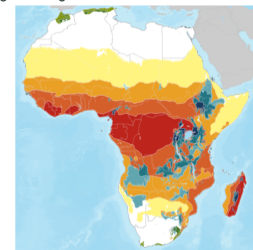
Pre-production, Practices, Seed system

Tested/adopted in



Where it can be used

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



Target groups

Breeders, Development institutions,
Farmers, Governments, Seed companies,
Researcher center

This technology is **pre-validated**.

9/9



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

Gender assessment

4

Climate impact

6

Problem

- **Limited Certified Seed for Scaling:** Not enough certified cassava cuttings for large-scale distribution.
- **Poor Seed Quality:** Poor quality seeds make it hard to improve national cassava yields.
- **Traceability Problems:** Difficult to control and trace where seeds come from.
- **Slow Rollout of New Varieties:** Delays in getting new improved varieties to farmers.

Solution

- **Better Seed Distribution:** Organizes and expands access to certified seeds nationwide.
- **Higher Seed Quality:** Regular checks guarantee only healthy seeds reach farmers.
- **Seed Traceability:** Seeds can be tracked for better monitoring and control.
- **Quicker Release of New Varieties:** Fast-tracks improved varieties from research to farmers.

Key points to design your project

The Cassava EGS Model helps build strong national seed systems. To implement it successfully, consider the following:

- Focus on building a lasting seed system, not just seasonal distribution.
- Budget for initial investment in training, farm setup, and inspections.
- Ensure the seed certification system is functional—or plan to strengthen it.
- Allow one full season for breeder seed multiplication and planning for scale.
- Secure access to breeder seed early through formal agreements with research centers.
- Support seed companies or cooperatives with training and resources.
- Raise farmer awareness about certified seed through demos and outreach.
- Use tools like SeedTracker for monitoring, certification, and traceability.
- Start in regions with high cassava demand or agro-industrial potential.
- Coordinate across ministries and contact **IITA GoSeed** for technical support in setting up and scaling the model.

1,753.20 USD

Production Cost/ hectare for seed companies

82 %

Return on investment / year for seed companies

3,195 USD

Revenue/hectare for seed companies



No formal IP rights



Cassava EGS Model

<https://e-catalogs.taatafrica.org/gov/technologies/cassava-egs-model-early-generation-seed-production-of-cassava>

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