

Cassava EGS Model: Early Generation Seed Production of Cassava

Breeder & Foundation Cassava Seeds—Always Within Reach

This model enables agribusinesses, seed producers, and agro-dealers to multiply clean, improved cassava seeds from research centers into certified breeder and foundation seeds, following national standards. The certified seeds are then supplied to farmers and seed sellers.



IITA
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Commodities

Cassava

Sustainable Development Goals



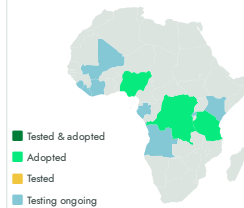
Categories

Pre-production, Practices, Seed system

Best used with

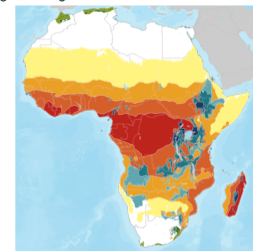
- [Cassava Seed Field Multiplication Protocol](#)

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,



This technology is **pre-validated**.



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

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

Problem

- **Shortage of Quality Seed:** Hard to find enough clean and improved cassava cuttings to sell.
- **Seed Disease and Mixing:** Sometimes seeds are mixed up or carry diseases, causing customer complaints.
- **Certification Challenges:** It is difficult to get certified seeds that meet national standards.
- **Limited Supply of Foundation and Breeder Seeds:** Lack of reliable sources for foundation and breeder seeds affects business growth.

Solution

- **Direct Access to Improved Seeds:** Businesses get clean, improved seeds straight from research centers.
- **Quality and Disease Control:** Strict standards and inspections keep seeds healthy and pure.
- **Easier Certification:** The model helps companies meet national certification rules.
- **Steady Seed Supply:** Reliable multiplication ensures a constant stock of breeder and foundation seeds.

Key points to design your business plan

The EGS Model is a business opportunity to produce certified cassava seed. Here's what to keep in mind:

- This is certified seed production—not root sales.
- Partner with a research institute (e.g., IITA) to access breeder seed.
- Get licensed by the national seed authority (e.g., NASC, TOSCI).
- Set up a clean, well-managed field using good agronomic practices.
- Certification and inspections are required before selling.
- Focus on high-demand varieties like drought-tolerant or biofortified cassava.
- Use demos and field days to educate farmers and boost sales.
- Budget around **\$830 per hectare**; returns are possible within 1–2 seasons.
- Work with agro-dealers or cooperatives for distribution.
- Reach out to **IITA GoSeed** for technical guidance and support.

Gender assessment



Climate impact



Cassava EGS Model

<https://taat.africa/lop>

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