

# CassQual: Cassava Seed Quality Management system

Enhancing cassava productivity through healthy planting material

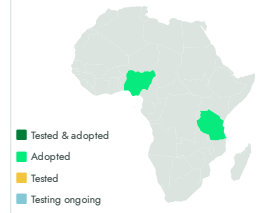
Entrepreneurs benefit from a structured cassava seed system with defined certification stages and tools like Seed Tracker. Community actors can adopt QDS models to self-certify and market quality seed. Digital tools like PlantVillage Nuru support diagnostics and reduce losses.

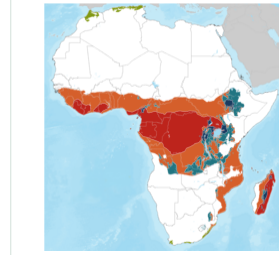


Commodities  
Cassava

Sustainable Development Goals  
1 NO POVERTY  
2 ZERO HUNGER

Categories  
Pre-production, Practices,  
Pest control (excluding weeds), Seed system

Tested/adopted in  


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


Target groups  
Breeders, Seed companies,  
Advisory and Extension Services,  
Seed Regulators

This technology is **pre-validated**.  
Scaling readiness: idea maturity: 9/9; level of use: 9/9

**251,400 USD** To set up the system  
**916,20 %** ROI calculated for a scenario involving 300 seed producers  
**60,000 USD** Annual monitoring cost  
**25,000 USD** Annual certification costs  
**135 %** Yield increased  
**IP** Open source / open access

**Problem**

- Market saturation with low-quality or recycled cassava planting material
- Limited trust from farmers in seed sold by informal actors
- High post-planting losses from disease-infected seed

**Solution**

- Certification systems that enable formal seed business development
- Digital traceability and branding through labeling systems
- Use of digital tools to ensure quality control and build customer trust
- Platforms that streamline registration, inspection, and sales tracking

## Key points to design your business plan

This system provides agribusinesses with a structured pathway to produce and market certified cassava seed through trusted certification and labeling.

- It supports market differentiation and premium pricing opportunities.
- Private actors can adopt it by understanding certification protocols, engaging in training, and establishing branded demonstration plots.

Gender assessment **2**

Climate impact **3**



CassQual

<https://e-catalogs.taatafrica.org/com/technologies/cassqual-cassava-seed-quality-management-system>

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