

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

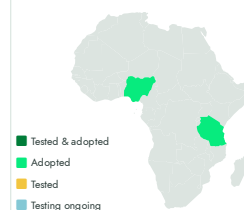
Sustainable Development Goals



Categories

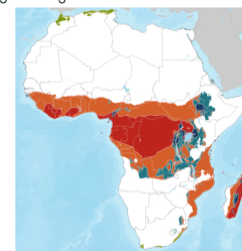
Pre-production, Practices,
Pest control (excluding weeds), Seed system

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**.

 9/9


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



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



Climate impact



CassQual

<https://taat.africa/eff>

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