

# CassQual: Cassava Seed Quality Management system

Enhancing cassava productivity through healthy planting material

The system aligns with national seed regulations to ensure quality from breeder seed to farmer distribution. Regulators oversee certification and promote community-based QDS models. Digital tools like Seed Tracker and PlantVillage Nuru streamline inspections and disease diagnostics.



Commodities

Cassava

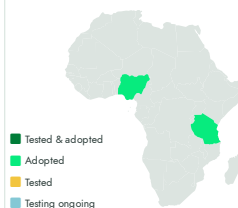
Sustainable Development Goals



Categories

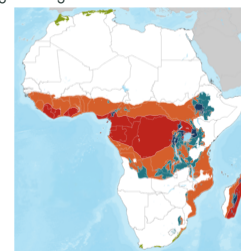
Pre-production, Practices,  
Pest control (excluding weeds), Seed system

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

Gender assessment



Climate impact



## Problem

- High spread of viral diseases (CMD, CBSD) reducing national cassava yields
- Weak or non-existent cassava seed certification frameworks
- Limited capacity to trace and monitor seed distribution

## Solution

- Official inspection protocols and standards to maintain seed quality
- Adoption of digital tools for real-time seed system monitoring
- Labeling systems to improve traceability and market transparency
- National strategies that integrate cassava into regulated seed systems

## Key points to design your project

The Cassava Seed Quality Management System strengthens national seed systems by formalizing cassava certification and improving farmer access to clean, high-yield planting material.

- It aligns with national food security and climate goals, contributing to SDGs 2, 5, 13, and 15.
- Governments can adopt it by aligning policies, developing certification guidelines, training inspectors, and supporting field-level implementation with digital tools.

**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



CassQual

<https://taat.africa/jxt>

Last updated on 30 April 2025, printed on 15 May 2025

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