

SRE: Seed Requirement Estimation Tool for Sweetpotato

Optimize Seed Supply with SRE!

The SRE Tool provides national-level forecasts for sweetpotato, cassava, and yam seed demand, helping governments allocate resources efficiently, plan production strategies, and build resilient seed systems.



International Potato Center (CIP)
Kwame Ogero

 This technology is **pre-validated**.

 9-7



Scaling readiness: idea maturity 9/9; level of use 7/9

Inclusion assessment

 4

Climate impact

 2

Problem

- **Mismatch between policy targets and supply realities:** Uganda projected 228,000 bags of sweetpotato QDS for 2026 but current supply can only meet 9.6%.
- **Poor data visibility for planning:** Lack of accurate adoption and replacement cycle data undermines national strategies.
- **Underproduction limits impact of improved varieties:** Farmers face shortages, reducing productivity and food security.

Solution

- **Evidence-based decision support:** National-level demand projections guide allocation of resources and subsidies.
- **Efficient public investment:** Reduces wastage from oversupply and ensures financial support goes where gaps exist.
- **Strengthened resilience:** Helps governments build robust, climate-resilient seed systems that deliver improved varieties to farmers consistently.

Key points to design your project

The SRE Tool provides national-level forecasts of seed demand for sweetpotato, cassava, and yam, helping governments plan production strategies and allocate resources efficiently. By using adoption rates, replacement cycles, and farmer purchase behavior, it ensures improved varieties reach farmers on time. The tool reduces wastage, strengthens seed system resilience, and supports evidence-based policy and investment decisions.



Unknown

Commodities

Sweet Potato, Cassava, Yam

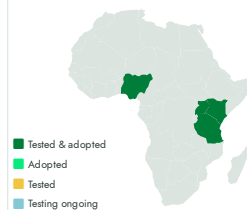
Sustainable Development Goals



Categories

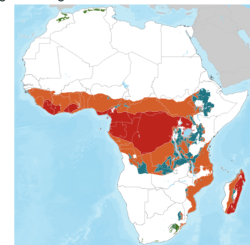
Pre-production, Digital applications

Tested/adopted in



Where it can be used

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



Target groups

Development institutions, Farmers, Governments, Seed companies, Researcher center, Advisory and Extension Services



SRE

<https://taat.africa/njt>

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