

# SRE: Seed Requirement Estimation Tool for Sweetpotato

Optimize Seed Supply with SRE!

The SRE Tool enables seed enterprises to forecast demand, plan production calendars, optimize land and input use, and reduce financial risks, ensuring profitable and market-aligned operations.



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This technology is **pre-validated**.

9-7



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



Unknown

## Problem

- **Overproduction risks:** Unsold vines cause financial losses and idle land.
- **Underproduction risks:** Inability to meet demand leads to lost revenue and reduced market share.
- **Limited investor confidence:** Without reliable forecasts, agribusinesses struggle to attract financing.

## Solution

- **Market-aligned production:** Tailored forecasts help enterprises match supply with demand.
- **Resource optimization:** Clear projections on land, labor, and inputs reduce inefficiencies.
- **Risk reduction and investment readiness:** Data-driven planning reassures banks and investors, unlocking capital for growth.
- **Scalable enterprise growth:** Supports expansion from pre-basic to QDS production as capacity grows.

## Key points to design your business plan

The SRE Tool helps seed enterprises forecast demand, optimize production calendars, and allocate land and inputs efficiently. It reduces financial risks by aligning supply with market needs and integrates rapid multiplication technologies for faster scale-up. Businesses can use the tool to plan investments, improve profitability, and ensure consistent delivery of quality planting material.

Inclusion assessment



Climate impact



### Commodities

Sweet Potato, Cassava, Yam

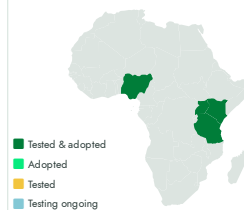
### Sustainable Development Goals



### Categories

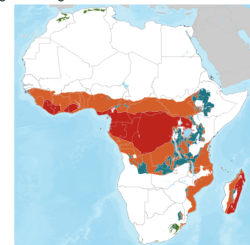
Pre-production, Digital applications

### 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/fib>

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