SRE: Seed Requirement Estimation Tool for Sweetpotato

Optimize Seed Supply with SRE!

The SRE Tool translates adoption and replacement data into actionable seed forecasts, helping NGOs and development agencies target interventions, coordinate with partners, and ensure farmers receive improved planting material on time.

International Potato Center (CIP)
Kwame Ogero

This technology is pre-validated.

9·7 Scaling readiness: idea maturity 9/9; level of use7/9

Inclusion assessment 4

Climate impact 2

Problem

- **Inefficient aid delivery:** Lack of reliable demand data leads to seed oversupply in some areas and critical shortages in others.
- **Low return on donor investments:** Projects risk funding uncoordinated production, wasting resources.
- **Farmer vulnerability:** Farmers resort to disease-prone planting material when seed system interventions fail to meet demand.

Solution

- **Targeted interventions:** Projections highlight real seed gaps, enabling better targeting of donor resources.
- **Impact assurance:** Aligns seed interventions with farmer demand to increase adoption and productivity.
- **Partnership facilitation:** Provides a common planning tool for governments, NGOs, and enterprises to coordinate efforts.
- **De-risking seed investments:** Evidence-based forecasts attract sustained funding for seed system strengthening.

Key points to design your program

The SRE Tool enables NGOs and development agencies to plan seed interventions based on accurate demand forecasts for sweetpotato, cassava, and yam. It supports efficient resource allocation, ensures farmers receive improved planting material on time, and enhances coordination with governments and seed enterprises. The tool strengthens program impact, reduces losses, and de-risks donor investments in seed systems.

IP

Unknown

Commodities

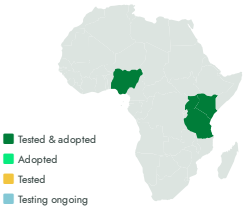
Sweet Potato, Cassava, Yam

Sustainable Development Goals

Categories

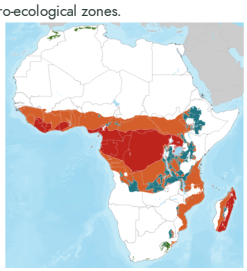
Pre-production, Digital applications

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