

Sahel Potato Innovation Package: High-Performing Potato Varieties and Quality Seed Potato Production System for West Africa



High-quality, disease-free seed potatoes for African farmers

A commercial potato production package combining three high-performing varieties (**Chieftain, AC Chaleur, and Kennebec**), disease-free Elite III seed potatoes, and improved production and storage practices to supply fresh, storage, and processing markets while creating profitable investment opportunities.

This technology is **pre-validated**.

9-7



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



No formal IP rights

Problem

- **Limited access to quality seed:** Inadequate supply of certified, disease-free seed potatoes reduces productivity and business reliability.
- **Dependence on imported seed:** High-cost imported seed increases production costs and delays planting.
- **Low commercial productivity:** Low-yielding varieties and limited processing-suitable options reduce profitability and market opportunities.

Solution

- **Reliable local seed supply:** Provides certified, disease-free Elite III seed potatoes through local multiplication, reducing dependence on imported seed.
- **Higher profitability:** Introduces high-yielding varieties that increase productivity and return on investment.
- **Expanded market opportunities:** Offers storage-tolerant and processing-suitable varieties for fresh, storage, and industrial markets.

Key points to design your business plan

The technology presents a commercial opportunity to strengthen and expand the potato value chain in West Africa through the production and distribution of **high-quality, disease-free Elite III seed potatoes** and high-performing varieties (**Chieftain, AC Chaleur, and Kennebec**). It addresses major business constraints, including unreliable access to quality seed, low productivity, post-harvest losses, and limited availability of potato varieties suitable for processing industries.

Private sector actors can leverage this technology to develop business opportunities in **seed multiplication, commercial potato production, storage and aggregation services, and supply of raw materials for food processing**. The combination of high yield potential, improved storage performance, and market-oriented varieties creates opportunities to improve profitability, reduce supply risks, and expand access to growing fresh and processed potato markets.



FASOBAARA FARMS SAS

Amadou Roy

Commodities

Potato

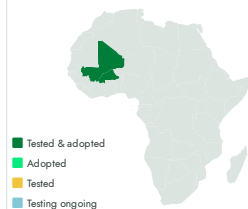
Sustainable Development Goals



Categories

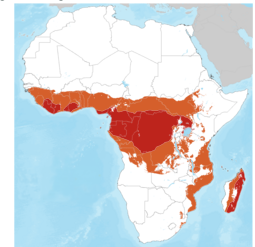
Production, Improved varieties,
Disease resistance, Quality improvement

Tested/adopted in



Where it can be used

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



Target groups

Farmers, Seed companies, Seed Regulators,
Cooperatives and Agribusinesses

Inclusion assessment

12

12

12

Climate impact

7



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<https://taat.africa/scy>

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Enquiries e.catalogs@taat.africa