

# Specialty blended fertilizers for root and tuber crops

Special fertilizer for root and tuber crops

Specialty Blended Fertilizers for Root and Tuber Crops” are custom fertilizers that provide essential nutrients to address soil deficiencies in Sub-Saharan Africa. They are designed for sweet potato and cassava farming, promoting efficient nutrient use, root growth, and overall crop health.



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✓ This technology is **TAAT1 validated**.

6•6 Scaling readiness: idea maturity: 6/9; level of use: 6/9

**16 to 26 ton per hectare**

sweetpotato yield increase



Open source / open access

Technology from

ProPAS

Commodities

Sweet Potato, Cassava

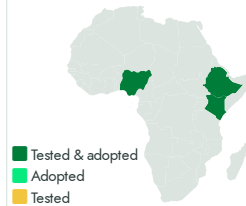
Sustainable Development Goals



Categories

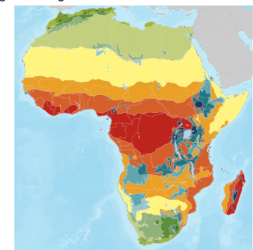
Production, Inputs, Fertilizer

Tested/adopted in



Where it can be used

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



Target groups

Farmers

## Problem

- **Soil Issues:** Many soils in Sub-Saharan Africa lack essential nutrients and suffer from low fertility, limiting the production of crops like sweet potato and cassava.
- **Insufficient Crop Resilience:** Crops like sweet potato and cassava are vulnerable to drought, pests, diseases, and stress, impacting their quality and yield.

## Solution

- **Balanced Nutrient Supply and Crop-Specific Formulas:** These fertilizers provide essential nutrients to address soil deficiencies in Sub-Saharan Africa and are tailored to meet the specific needs of crops like sweet potato and cassava.
- **Enhanced Crop Health and Yield:** The right nutrient formula enhances crop productivity, quality, and resilience, helping them resist drought, pests, diseases, and stress.

## Key points to design your business plan

**Manufacturer:** Set up a unit, hire staff, get licenses, conduct market research, develop a production plan, formulate pricing, secure raw materials, establish transportation and storage, collaborate with research institutions, partner with extension services and NGOs, factor in costs, and research subsidies.

**Reseller:** Establish a distribution network, train staff, develop a sales strategy, partner with agricultural associations, offer additional services, secure storage, establish delivery system, partner with local retailers, collaborate with extension services, and consider costs.

**User Farmers:** Learn about specialty fertilizers, assess soil fertility, develop a cropping plan, factor in costs, and partner with extension services, retailers, cooperatives.

**Additional Considerations:** Research government regulations, be mindful of environmental impact.

Gender assessment 3

Climate impact 7



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<https://e-catalogs.taatafrica.org/com/technologies/specialty-blended-fertilizers-for-root-and-tuber-crops>

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