

# 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

Gender assessment **3**

Climate impact **7**

## 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 project

This fertilizer technology aids several Sustainable Development Goals (SDGs) and aligns with key government project priorities like food security and climate action. It can potentially empower women in farming and has a positive climate impact.

To implement this technology:

- Identify potential partners among fertilizer manufacturers,
- Launch an awareness campaign, and organize training programs,
- Collaborate with the manufacturer for product development and distribution,
- Set up demonstration plots, establish a feedback mechanism,
- Regularly monitor and evaluate the impact.

**16 to 26 ton per hectare**

sweetpotato yield increase



Open source / open access

Technology originally documented by

ProPAS

Commodities

Sweet Potato, Cassava

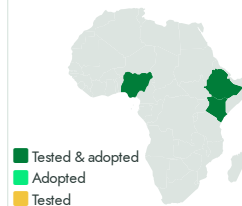
Sustainable Development Goals



Categories

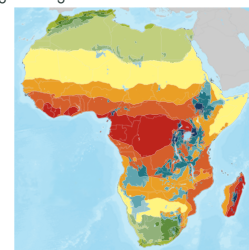
Production, Inputs, Fertilizer

Tested/adopted in



Where it can be used

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



Target groups

Farmers



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

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