

# Specialty Fertilizers and Local Blending for Banana and Plantain

Fertilize for Success: Banana & Plantain Boost

The technology of Specialty Fertilizers and Local Blending for Banana and Plantain involves creating tailored fertilizer blends to enhance banana and plantain yield in Sub-Saharan Africa. It adapts to soil characteristics, improves crop resilience, and increases productivity and nutritional value. It's a cost-effective solution for farmers.



**International Institute of Tropical Agriculture (IITA)**  
Godfrey Taulya

Technology originally documented by

ProPAS

Commodities

Banana/Plantain

Sustainable Development Goals



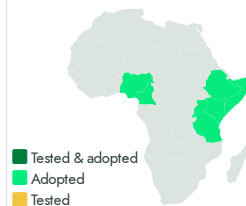
Categories

Production, Inputs, Fertilizer

Best used with

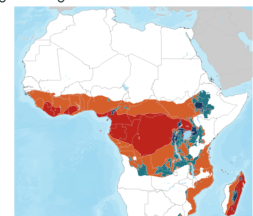
- [Improved Varieties of Plantain for Tropical Lowlands >](#)
- [Improved Varieties of Banana for the African Highlands >](#)

Tested/adopted in



Where it can be used

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



This technology is **TAAT1 validated**.

8.9



Scaling readiness: idea maturity 8/9; level of use 9/9

Gender assessment 4

Climate impact 7

## Problem

- **Nutrient Deficiency:** Poor soil nutrients lead to low crop yields.
- **Environmental Stresses:** Crops are vulnerable to drought, pests, and diseases.
- **Climate Change:** Drought due to climate change affects crop health and productivity.

## Solution

- **Nutrient Supply:** Provides balanced nutrients, improving crop growth and yield.
- **Crop Resilience:** Strengthens crop resilience to environmental stresses.
- **Climate Adaptability:** Helps crops withstand impacts of climate change.

## Key points to design your project

The Specialty Fertilizers and Local Blending for Banana and Plantain technology contributes to several Sustainable Development Goals (SDGs) by improving crop yields, promoting gender equality, and having a positive impact on the climate. It enhances productivity and resilience of crops, contributing to zero hunger and economic growth.

To implement this technology:

- Identify potential partners
- Launch an awareness campaign and training programs,
- Develop the right blends of fertilizer and leverage the manufacturer's distribution network,
- Set up demonstration plots,
- Establish a feedback mechanism, and regularly monitor and evaluate the impact of the technology.

**6 ton/ha**

yield increase



Open source / open access



Specialty Fertilizers and Local Blending for Banana and Plantain  
https://e-catalogs.taatafrica.org/gov/technologies/specialty-fertilizers-and-local-blending-for-banana-and-plantain

Enquiries [techs@taat-africa.org](mailto:techs@taat-africa.org)

Last updated on 22 May 2024, printed on 22 May 2024