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.

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This technology is TAAT1 validated.

8·9 Scaling readiness: idea maturity 8/9; level of use9/9

Inclusion assessment 4

Climate impact 7

Problem

- **Soil nutrients:** Nutrient deficiencies constrain crop nutrition and productivity.
- **Environmental stresses:** Drought, pests, and diseases affect crop performance.
- **Climate-related drought:** Increasing drought threatens banana and plantain productivity.

Solution

- **Nutrient management:** Tailored blends improve crop nutrition and fertilizer use.
- **Crop performance:** Balanced nutrition supports productivity under environmental stresses.
- **Drought tolerance:** Adequate nutrition helps crops withstand water stress.

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

IP
Open source / open access

Technology from

ProPAS

Commodities

Bananas & plantains

Sustainable Development Goals

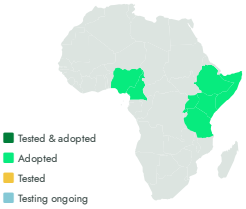
Categories

Production, Inputs, Fertilizer

Best used with

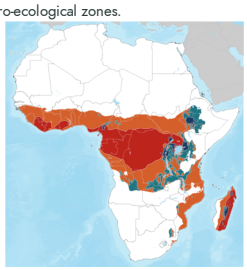
Improved Varieties of Plantain for Tropical Lowlands, Improved Varieties of Banana for the African Highlands
See all 2 technologies online

Tested/adopted in



Where it can be used

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



Target groups