

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 use: 9/9

6 ton/ha
yield increase



Open source / open access

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 business plan

- **Manufacturer:** Establish a blending-capable unit, hire staff, conduct market research, secure raw materials, collaborate with research institutions, and factor in costs.
- **Reseller:** Establish a farmer-reaching network, train staff, develop a sales strategy, offer additional services, secure storage space, establish a delivery system, and collaborate with extension services or NGOs.
- **User Farmers (Banana and Plantain Growers):** Learn about specialty blended fertilizers, assess soil fertility, develop a cropping plan, factor in costs, and partner with various services and manufacturers.

Gender assessment 4

Climate impact 7

Technology from

ProPAS

Commodities

Banana/Plantain

Sustainable Development Goals



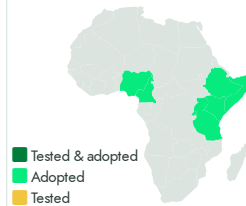
Categories

Production, Inputs, Fertilizer

Best used with

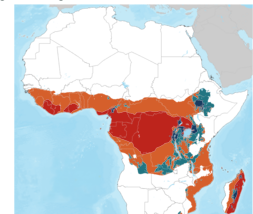
- [Improved Varieties of Plantain for Tropical Lowlands >](#)
- [Improved Varieties of Banana for the African Highlands >](#)

Tested/adopted in



Where it can be used

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



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<https://e-catalogs.taatafrica.org/com/technologies/specialty-fertilizers-and-local-blending-for-banana-and-plantain>

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