

Improved Varieties of Plantain for Tropical Lowlands

Better Plantain Varieties for Thriving Farmers

The "Improved Varieties of Plantain for Tropical Lowlands" makes stronger and healthier plantains that can resist diseases and pests. It does this by mixing different kinds of plantains to create new varieties. These special plantains grow well in different climates and have more leaves and fruits.

This technology is **TAAT1 validated**.

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

Gender assessment **3**

Climate impact **7**

Problem

- Black leaf streak disease causing significant yield losses ranging from 33% to 50%.
- Weevils and nematodes undermining corm and root systems.
- Declining soil fertility due to poor management practices.

Solution

- This technology aims to combat black leaf streak disease, weevils, and nematodes.
- Focus on high productivity and drought resilience to mitigate yield losses.
- Emphasis on preferred cooking traits to meet consumer preferences.
- Adaptation to diverse climatic and production conditions.

290—1000 USD
Planting material/ha

ROI: \$\$\$ **500 %**

Benefit to cost advantages starts from the second cycle harvest onwards

1400 USD

Production inputs and labor per ha



Open source / open access



International Institute of Tropical Agriculture (IITA)
Moses Nyine

Technology from

ProPAS

Commodities

Banana/Plantain

Sustainable Development Goals



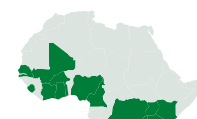
Categories

Production, Improved varieties,
Disease resistance, Insect resistance, + 0 more

Best used with

- [In-Vitro Banana Tissue Culture Propagation >](#)
- [Propagation of Banana and Plantain Disease-Cleaned Suckers >](#)
- [Intercropping Strategies for Banana and Plantain >](#)
- [Spacing and Stand Management in Banana and Plantain >](#)
- [Banana Peels as Feed and Organic Resource >](#)
- [Value-added Processing of Bananas and Plantain >](#)

Tested/adopted in



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<https://e-catalogs.taatafrica.org/org/technologies/improved-varieties-of-plantain-for-tropical-lowlands>

Last updated on 23 August 2024, printed on 2 October 2024

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