

KABANA 6H/NARITA7 hybrid: High yielding and disease tolerant banana

long lasting banana nicknamed 'kiwangazi' by farmers.



The KABANA 6H/NARITA7 banana hybrid is a high-yielding variety resistant to black Sigatoka, banana weevils, and nematodes. It can produce 57.7 kg per bunch with a potential yield of 60 tons/ha/year. Developed by IITA and NARO, it's a practical solution for farmers, particularly in Uganda, enhancing plantation longevity and economic return. Proper agronomic practices are recommended...

This technology is **pre-validated**. 9·8 Scaling readiness: idea maturity 9/9; level of use 8/9

Gender assessment 4

Climate impact 4

Problem

- Decreased Yield:** Banana plantations have been facing a decline in yield due to various factors.
- Black Sigatoka Disease:** This leaf spot disease significantly reduces banana yield.
- Pest Infestation:** Banana weevils and nematodes cause root damage and reduce plantation longevity.
- Short Plantation Lifespan:** Pests and diseases have been reducing the lifespan of banana plantations, particularly in Uganda.

Solution

- Disease Resistance:** It's tolerant to black Sigatoka, a leaf spot disease, which helps in maintaining the yield.
- Pest Resistance:** The hybrid is resistant to banana weevils and nematodes, addressing the issue of pest infestation and root damage.
- Longevity:** The resistance to common pests and diseases increases the lifespan of banana plantations, solving the problem of short plantation lifespan.

Key points to design your project

The high-yielding, disease-tolerant banana hybrid Kabana 6H (NARITA 7) addresses major challenges in banana production, especially in regions prone to disease and climate variability. By boosting yields and promoting climate adaptation, it enhances food security, poverty reduction, and women's economic empowerment.

To integrate Kabana 6H (NARITA 7) into your project:

- Collaboration:** Partner with breeders and research institutions to select suitable varieties.
- Cultivar Selection:** Choose cultivars based on climate, production goals, and market needs.
- Training:** Provide local training on macro-propagation and agronomic practices for seed multipliers and farmers.
- Planting Material:** Estimate planting needs (1111 plants/ha) and use clean materials from tissue culture or macropropagation.
- Cost:** Budget USD 2,542/ha, including inputs, labor, and delivery costs.
- Outreach:** Create communication materials to promote the technology.

IITA and NARO
Michael Batte/Alex Barekye

Commodities
Banana/Plantain

Sustainable Development Goals

Categories
Production, Improved varieties, Disease resistance, Yield improvement

Best used with

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

Tested/adopted in

Legend:
■ Tested & adopted
■ Adopted
■ Tested

Where it can be used

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

Cost: \$\$\$ **2,542 USD** all cost per hectare per year ROI: \$\$\$ **47.8 %**

57.7 kg per bunch Real-life yield **60 tons/ha/year** Potential yield 💡 IP Plant variety protection



<https://e-catalogs.taatafrica.org/gov/technologies/kabana-6hnarita7-hybrid-high-yielding-and-disease-tolerant-banana>

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