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.

International Institute of Tropical Agriculture (IITA) and NARO
Michael Batte

This technology is validated.

9·8 Scaling readiness: idea maturity 9/9; level of use8/9

Project adoption 1

Technology integrated in the ENSURE project.

Inclusion 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 program

KABANA 6H/NARITA7 can be integrated into banana value chain development, food security, climate resilience, and rural livelihood programs to increase banana productivity, reduce crop losses, and improve farmers' incomes. Its adoption contributes to **SDGs 1 and 2.**

To integrate this technology into your project, plan and budget for the following activities and prerequisites:

- **Facilitate access** to certified disease-free planting materials and recommended plantation management practices.
- **Establish partnerships** with **IITA**, **NARO**, national agricultural research and extension services, private nurseries, and producer organizations.
- **Conduct demonstrations and training** on banana propagation, plantation establishment, and integrated pest and disease management, and monitor technology adoption and banana productivity.

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

Commodities

Bananas & plantains

Sustainable Development Goals

1 NO POVERTY

2 ZERO HUNGER

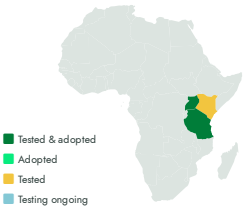
Categories

Production, Improved varieties, Disease resistance, Yield improvement

Best used with

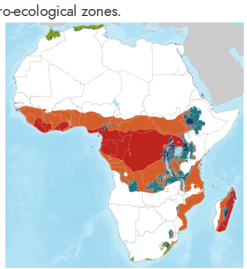
Propagation of Banana and Plantain Disease-Cleaned Suckers, Intercropping Strategies for Banana and Plantain, Spacing and Stand Management in Banana and Plantain, Value...
See all 5 technologies online

Tested/adopted in



Where it can be used

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



Target groups

Breeders, Farmers, Governments, Seed companies, Sellers