

# Improved Varieties of Banana for the African Highlands

Cultivate superior banana varieties for abundant yields and enhanced food security.

The NARITA technology is a improved varieties for banana. NARITA hybrids are selected for their culinary quality, color, aroma, taste, texture, and mouthfeel. This technology enables the production of high-yielding bananas resistant to diseases and pests.



Progressive gain in bunch weight of cooking banana through selective breeding. A: grandparent, B: parent, and C: hybrid



Technology from  
**ProPAS**

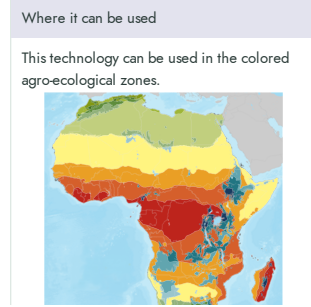
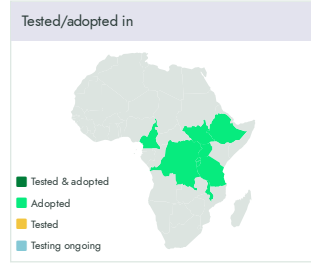
Commodities  
Banana/Plantain

Sustainable Development Goals

Categories  
Production, Improved varieties, Disease resistance, Yield improvement

Best used with  

- [In-Vitro Banana Tissue Culture Propagation >](#)
- [Propagation of Banana and Plantain Disease-Cleaned Suckers >](#)



This technology is **TAAT1 validated**.

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

Gender assessment **4**

Climate impact **7**

**Problem**

- Low Banana Yields of Traditional varieties: 5-30 tons per hectare
- Traditional varieties are susceptible to Pests and Diseases (black leaf streak, nematodes, and bunchy top disease)
- Inadequate soil fertility hampers banana production, posing a challenge for traditional varieties

**Solution**

- NARITA offers disease-resistant hybrids can yield up to 70 tons per hectare
- These varieties are specifically bred to resist black leaf streaks, nematodes, and bunchy top disease
- Disease-resistant hybrids exhibit greater resilience in nutrient-depleted soils

**Key points to design your program**

The adoption of NARITA banana technology offers opportunities to improve banana cultivation practices, especially in areas affected by diseases. To integrate NARITA technology into your project, consider activities such as:

- Identifying suitable cultivars, raising awareness among stakeholders, establishing local training hubs, and distributing clean planting materials.
- Collaboration with breeders and research institutions is essential to develop tailored NARITA banana varieties.
- Additionally, estimating costs for technology adoption, including inputs and labor, is crucial for project planning.

Cost: <b>\$\$\$</b> <b>290—1000 USD</b> per hectare for planting material.	<b>68—117 %</b> Yield increased
<b>670—3300 USD</b> per hectare for inputs	<b>700—1300 USD</b> per hectare for labor
<b>Open source / open access</b>	



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