

KABAMANOJ F1: High yield and drought tolerant orange maize hybrid

Unleashing the Power of High-Yielding Orange Maize Across Africa!

KABAMANOJ F1 is a high-yielding, drought-tolerant maize variety with a short cycle (70-105 days), making it resilient to challenging climates. It produces up to 10 tons per hectare and is rich in protein, suitable for both food and poultry farming. Registered with ECOWAS, it is well-adapted to African climates and supports food security and agricultural sustainability.



UPL
Florent Clair

Commodities

Maize

Sustainable Development Goals



Categories

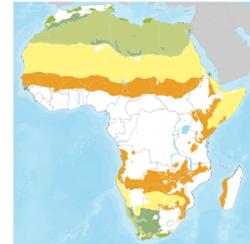
Production, Improved varieties,
Yield improvement, Drought tolerance

Tested/adopted in



Where it can be used

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



Target groups

Farmers, Seed companies

This technology is **pre-validated**.

9-9



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

Gender assessment **4**

Climate impact **4** **1**

Problem

- Increased frequency and severity of droughts impacting maize growth.
- Inadequate agricultural practices leading to suboptimal productivity.
- Limited access to high-yielding maize varieties.
- Extended growth cycles delaying harvest and affecting overall efficiency.
- Vulnerability to pests such as stem borers and diseases like maize streak virus.

Solution

- Short maturation period (80-100 days) addresses long maturity challenge.
- High yields (up to 10 tonnes/ha); substantial cob weight (160 g) and optimal cob length (26 cm) combat poor yield.
- Excellent resistance to drought and diseases mitigates climate-related challenges.
- Protein-rich content enhances nutritional value; specifically adapted to African climate for climate change resilience.

Key points to design your program

Kabamanoj F1 is a high-yield, drought-tolerant maize hybrid designed to thrive in water-scarce conditions.

- In Kenya, it has increased yields by up to 40% compared to traditional varieties, even during dry periods.
- Its contributes to food security (SDG 2), empowers women farmers (SDG 5), and promotes climate resilience (SDG 13). With its high Vitamin A content, it offers economic benefits while supporting sustainable agriculture.
- Kabamanoj F1 works in synergy with other maize innovations like Striga bioherbicide, enhancing productivity and resilience.

Cost: **110 USD/ha**
Seed cost

40 %
Yield increased

170 USD/ha
Operation cost

560 USD/ha
Benefit

IP
Unknown



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<https://e-catalogs.taatafrica.org/org/technologies/kabamanoj-f1-high-yield-and-drought-tolerant-orange-maize-hybrid>

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