

NERICA New rice for Africa varieties

NERICA: Higher Yields, Resilience, and Profitability for African Farmers.



AfricaRice

Africa Rice Center
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Technology originally documented by

ProPAS

Commodities

Rice

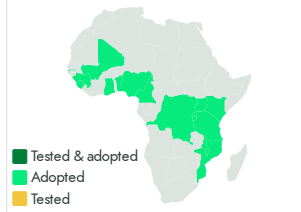
Sustainable Development Goals



Categories

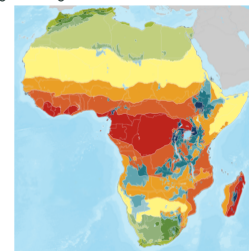
Production, Improved varieties,
Yield improvement, Drought tolerance

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 **TAAT1 validated**.

8·8



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

Gender assessment **4**

Climate impact **7**

Problem

- Traditional rice varieties often yield less, impacting food security and farmers' income.
- Conventional varieties are more susceptible to pests and diseases, leading to yield losses.
- Many varieties struggle in nutrient-poor soils and under erratic rainfall.
- Insufficient local production leads to heavy reliance on imported rice, affecting economic stability.

Solution

- NERICA varieties yield more, ensuring food security and higher income.
- They resist pests and diseases, reducing chemical use.
- Thrives in poor soils and limited water, suitable for diverse environments.
- Boosts local production, enhancing economic stability.
- Accessible to small-scale growers, improving practices and income.

Key points to design your project

To integrate NERICA technology into your project, consider the following steps:

- Develop NERICA varieties tailored to local growing conditions.
- Conduct awareness campaigns to highlight the benefits of planting improved rice varieties.
- Ensure equitable access and financial support for local suppliers and farmers.
- Estimate seed quantity needed, including technology costs and delivery expenses.
- Engage a team of trainers for installation support and develop communication materials.
- Consider optimizing NERICA with other agricultural practices like nitrogen management and weed control.
- Collaborate with agricultural institutes and seed companies for implementation.

Cost: \$\$\$ **0.8—1.2 USD**

Per kg of seeds

ROI: \$\$\$ **25—39 %**

1.7—0.7 ton per ha

with and without fertilizer



Open source / open access



NERICA

<https://e-catalogs.taatafrica.org/gov/technologies/nerica-new-rice-for-africa-varieties>

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