

Nyota Common Bean: Early Generation, High-Yielding, Climate-Smart & Nutrient-Rich Variety

Powering Nutrition, Productivity, and Resilience!

Nyota is a fast-maturing (60–70 days), drought-tolerant common bean variety that supports food security and climate-smart agriculture. With yields of 1.4–2.0 tons/ha and biofortification in iron and zinc, it enhances nutrition and smallholder resilience. Its adaptability makes it a strategic tool for national agricultural and public health goals.



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Karanja D.

Commodities

Common bean

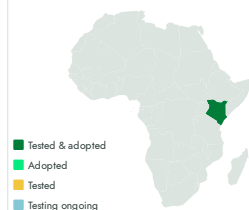
Sustainable Development Goals



Categories

Pre-production, Improved varieties,
Disease resistance, Yield improvement

Tested/adopted in



Where it can be used

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



Target groups

Farmers, Processors, Seed companies,
Researcher center

 This technology is **not yet validated**.

 7•8



Scaling readiness: idea maturity
7/9; level of use 8/9

Inclusion assessment

 4

Climate impact

 7

Problem

- **Low productivity** of traditional bean varieties limits national food self-sufficiency.
- **Long maturity periods** reduce cropping intensity and annual food supply.
- **Micronutrient deficiencies**, especially iron and zinc, remain widespread and affect public health, particularly in children.

Solution

Nyota enhances national food security with high yields and fast maturity, enabling multiple harvests per year. Its iron and zinc biofortification addresses micronutrient deficiencies, while drought tolerance supports climate resilience. This variety aligns with government goals for nutrition and sustainable agriculture.

Key points to design your project

Nyota Common Bean is a high-yielding, drought-tolerant, and nutrient-rich variety that boosts food security and nutrition while supporting climate resilience in Sub-Saharan Africa. To integrate Nyota into your project,

- calculate seed needs based on 60–80 kg/ha, budget for procurement and delivery, and provide farmer training and communication support.
- Collaborate with research institutes and seed companies to ensure successful adoption and link Nyota with soil fertility and pest management practices for optimal results.



Open source / open access



Nyota Common Bean

<https://taat.africa/ury>

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