

Climate-Smart and Market-**Preferred Yam Varieties**

More yield, better quality, stronger resilience!

Improved yam varieties deliver profitable opportunities across the value chain. They yield 20-30 tons per hectare, mature in 7-8 months, and resist pests and diseases, lowering input costs. Their uniform, high-quality tubers are ideal for food processors and attractive for traders, while compatibility with minisett, vine cutting, and SAH creates scalable seed businesses.





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Commodities

Yam

Sustainable Development Goals









Categories

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

Best used with

Semi-Autotrophic Hydroponics for yam multiplication

. See all 1 technologies online

Tested/adopted in



Where it can be used

This technology can be used in the colored



Target groups

This technology is <u>pre-validated</u>.







Open source / open access

Problem

- · High input costs from pest and disease management.
- Inconsistent tuber size and quality from local
- Limited access to affordable seed yams.
- · High post-harvest losses during storage.
- · Market rejection of irregular tubers.

Solution

- · Higher return on investment through increased yields and lower input costs.
- Reliable seed multiplication opportunities for agribusinesses.
- Consistent supply of raw materials for processors.
- · Longer shelf life supports wider distribution and
- · Uniform, consumer-preferred tubers attract premium prices.

Key points to design your business plan

Seed Multipliers: Multiplying improved yams with drought and pest resistance boosts yields and livelihoods. Source seed from certified institutes in Nigeria, Ghana, Côte d'Ivoire, and Benin. Store and transport seed carefully to maintain quality. License agreements with breeders ensure certified seed production. Customers include distributors, government, and NGOs.

Resellers: Selling improved yams links you directly with farmers, enhancing food security and incomes. Source seed in bulk, maintain quality, and serve local retailers and farmer groups. Build trust to sustain sales growth.

Users: Improved yams mature faster and resist stresses, boosting food and income security. Partner with reliable seed sellers and extension agents. Estimate benefits from improved yields and cost savings.

Inclusion assessment

Climate impact





