

# Cassava varieties with high dry matter and starch content

Enhancing cassava yields and quality for greater food security in Africa.

This technology involves improved varieties of cassava with enhanced dry matter content. Through conventional breeding and other methods, these cassava varieties have been developed. These high-quality roots are well-suited to the needs of farmers and various industrial processes.



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This technology is **TAAT1 validated**.

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

Cost: \$\$\$

ROI: \$\$\$

**35 ton/ha**  
potential yield

**40 - 45 %**  
dry matter content

**80 - 95 %**  
starch content

**IP**  
Plant variety protection

## Problem

- **Low Dry Matter and Starch Content:** Traditional cassava varieties often have low dry matter and starch content, reducing their economic value and utility in food and industrial applications.
- **Limited Variety Options:** Farmers have limited access to high-quality cassava varieties, which restricts their ability to improve crop yields and quality.

## Solution

- **Higher Dry Matter and Starch Content:** Improves root quality for fresh consumption and industrial processing. Ideal for producing flour, starch, and other industrial products, supporting local agri-businesses.
- **Increased Economic Yields:** Better quality and higher yield of cassava roots lead to higher economic returns.
- **Adaptability:** Bred to be resistant to pests, diseases, and adverse growing conditions, making them suitable for various environments.

## Key points to design your business plan

This technology, focusing on cassava varieties with high dry matter and starch content, benefits both seed multipliers and users, such as aggregators and farmers.

- Seed multipliers should be aware that most of these cassava varieties are royalty-free but require certification for seed systems compliance.
- Potential customers include farmers, development projects, government agencies, and NGOs.
- To assess profitability, estimating the realized profit considering the overall cost structure and potential yields is crucial.

Gender assessment **4**

Climate impact **5**

Technology from

ProPAS

Commodities

Cassava

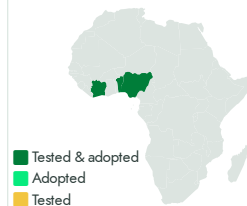
Sustainable Development Goals



Categories

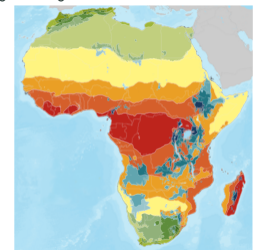
Production, Improved varieties, Yield improvement, Quality improvement

Tested/adopted in



Where it can be used

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



Target groups

Farmers



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<https://e-catalogs.taatafrica.org/com/technologies/cassava-varieties-with-high-dry-matter-and-starch-content>

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Last updated on 29 August 2024, printed on 29 August 2024