

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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Technology from

[ProPAS](#)

Commodities

Cassava

Sustainable Development Goals



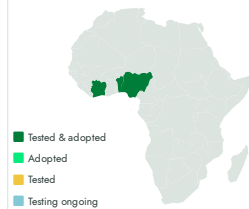
Categories

Production, Improved varieties,
Yield improvement, Quality improvement

Best used with

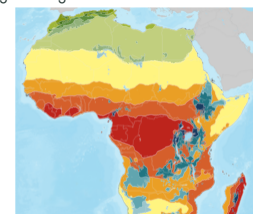
- [Digital Decision Support Tool](#)

Tested/adopted in



Where it can be used

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



✓ 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 & Starch:** Enhances root quality for fresh and industrial use.
- **Increased Yields:** Boosts cassava yield and economic returns.
- **Adaptability:** Resistant to pests, diseases, and harsh conditions.
- **Food Security:** Produces nutritious, high-yield crops.

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



Climate impact



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<https://taat.africa/lgc>

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