

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.



International Institute of Tropical Agriculture (IITA)
Elizabeth Parkes

✓ This technology is **TAAT1 validated**.

8•8



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

Gender assessment 4

Climate impact 5

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 project

The cassava varieties with high dry matter and starch content technology significantly contribute to sustainable development. To integrate this technology into your project,

- Focus on identifying or developing suitable cassava varieties,
- Estimate the quantity of cassava roots needed, including delivery costs.
- Consider a team of trainers for support and develop communication materials.

Cost: \$\$\$

ROI: \$\$\$

35 ton/ha
potential yield

40 - 45 %
dry mater content

80 - 95 %
starch content

IP
Plant variety protection

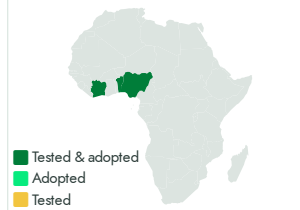
Sustainable Development Goals



Categories

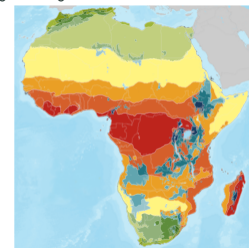
Production, Improved varieties, Yield improvement, Quality improvement

Tested/adopted in



Where it can be used

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



Target groups

Farmers



Cassava varieties with high dry matter and starch content

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

Enquiries e_catalogs@taat.africa

Last updated on 29 August 2024, printed on 2 October 2024