

Golden cassava varieties (Vitamin A fortified)

Yellow-fleshed cassava rich in vitamin A



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Yellow-fleshed cassava is a vitamin A-enriched variety. The variety is the result of the cross-breeding of natural lines containing high levels of provitamin A and hybrid lines with higher yield potential disease resistance and drought tolerance.

This technology is **TAAT1 validated**.
 Scaling readiness: idea maturity 7/9; level of use 6/9

Gender assessment

Climate impact

Technology originally documented by

ProPAS

Commodities

Cassava

Sustainable Development Goals

Categories

Production, Improved varieties, Yield improvement, Quality improvement

Tested/adopted in

Problem

- Lack of essential nutrients in conventional cassava varieties, notably vitamin A deficiency affecting 50% of children.
- Insufficient vitamin A leading to preventable blindness and weakened immune systems in children.
- Limited nutritional value and agronomic challenges, such as disease susceptibility and low yield potential.

Solution

- Golden cassava varieties are enriched with provitamin A, addressing vitamin A deficiency and hidden hunger.
- Through breeding, golden cassava exhibits enhanced traits like disease resistance and drought tolerance.
- These varieties contain 2 to 3 times more provitamin A, meeting nutritional needs in cassava-dependent communities.
- Golden cassava suits various agro-ecosystems, enhancing its reach.

Key points to design your project

To integrate it into your project:

- Establish quality parameters with stakeholders.
- Engage seed companies for high-quality seeds.
- Stimulate demand among consumers.
- Provide financial assistance to farmers.

Consider seed quantity, delivery costs, training, communication support, and collaboration with local agricultural institutes and companies for successful implementation.

IP
Open source / open access

Where it can be used

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

Target groups

Farmers, Seed companies

