

Golden cassava: Vitamin A fortified cassava varieties

Yellow-fleshed cassava rich in vitamin A



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.



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This technology is **TAAT1 validated**.

 Scaling readiness: idea maturity 7/9; level of use 6/9

Inclusion assessment

Climate impact

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

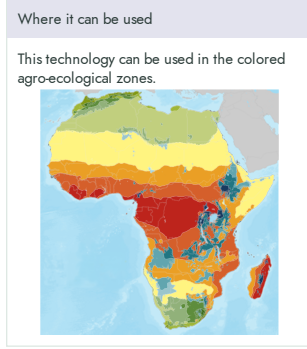
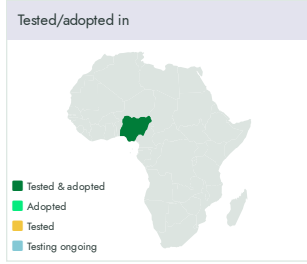
- Golden cassava varieties are enriched with provitamin A, addressing vitamin A deficiency and hidden hunger.
- Through breeding, golden cassava exhibits enhanced traits like disease resistance and drought tolerance.
- These varieties contain 2 to 3 times more provitamin A, meeting nutritional needs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

Technology from
ProPAS

Commodities
Cassava

Sustainable Development Goals

Categories
Production, Improved varieties, Yield improvement, Quality improvement



Target groups
Farmers, Seed companies

Key points to design your project

To integrate it into your project:

1. Establish quality parameters with stakeholders.
2. Engage seed companies for high-quality seeds.
3. Stimulate demand among consumers.
4. 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
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