Golden cassava varieties (Vitamin A fortified)

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.

This technology is TAAT1 validated.	Scaling readiness: idea maturity	Technology from
	♥ 7/9; level of use 6/9	<u>ProPAS</u>
Gender assessment	Climate impact	Commodities
Problem	Solution	Cassava
 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 	 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 	Sustainable Development Goals
children. • Limited nutritional value and agronomic challenges, such as disease susceptibility and low yield potential.	 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, 	Categories Production, Improved varieties, Yield improvement, Quality improvement Tested/adopted in
	enhancing its reach.	

Key points to design your program

Golden cassava varieties are vitamin A-enriched, yellow-fleshed cassava developed to address malnutrition while increasing yields. With high productivity, disease resistance, and drought tolerance, they are ideal for regions facing climate challenges.

- Aligned with SDG 2, SDG 3, and SDG 13, they enhance food security, promote better health, and support climate-resilient farming.
- Part of the Cassava Technology Toolkit, they complement innovations like mechanized planting to maximize farmer productivity.
- Already introduced in seven African countries through the ENSURE project, golden cassava is driving improved nutrition, sustainable farming, and increased farmer incomes with support from IITA.



Enquiries <u>e-catalogs@taat.africa</u>



International Institute of Tropical Agriculture (IITA) Elizabeth Parkes

	Technology from
	<u>ProPAS</u>
	Commodities
	Cassava
	Sustainable Development Goals
	2 2000
	Categories
	Production, Improved varieties, Yield improvement, Quality improvement
	Tested/adopted in
	Tested & adopted
	Adopted Tested
	Testing ongoing
	Where it can be used
	This technology can be used in the colored agro-ecological zones.
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Target groups

Farmers, Seed companies