



Technologies for African
Agricultural Transformation

TAAT INVESTORS FORUM

Showcasing TAAT Technologies
15 February 2022: 1000 -1600 (WAT)

Pro-Vitamin A Cassava



TAAT Technology Pro-vitamin A Cassava

<https://taat-africa.org/wp-content/uploads/2021/04/Cassava-Technology-Toolkit-Catalogue.pdf>

Technology

- Specially bred golden cassava varieties are more nutritious alternative to common white fleshed types
- Pro-vitamin A enriched cassava typically possess other improved traits such as resistance to diseases and pests, higher yield, and higher DM.
- The traits make them highly commercially demanded.



Roots biofortified with provitamin A carotenoids (6-15 μ /g TC of fresh wt. basis of root)

Boiled roots and gari from white and biofortified cassava roots

Value Chain Position

- Improved Variety

What is it for:

- Production

Geographical Coverage

Sub-Saharan Africa

Commodity

Cassava

Problems Solved and Benefits

- Cassava is a main staple for millions of people in Sub-Saharan Africa. Most cassava varieties contain low levels of vitamins and minerals.
- This shortcoming contributes to poor nutrition and hidden hunger; with 50% of children between one-half to five years old suffering from vitamin A deficiency
- Cheaper means of getting needed vitamin-A for pregnant women and nursing mothers
- Readily available solution to health challenges of Vitamin A deficiency (VAD) and other forms of malnutrition
- Cost of processing into food products is lower than for white varieties while the products are of higher market value.



Cost

The price of golden cassava is up to 20% higher than that of white non-biofortified types. Cultivating pro-Vitamin A enriched cassava thus offers a substantial economic advantage to the growers over similar yielding varieties and non-improved types.



Links to Associated Technologies:

“Six Steps” cassava weed management: <https://propas.iita.org/solutions/six-steps-cassava-weed-management/70/details/>

Semi Autotrophic Hydroponics for Cassava Multiplication: <https://propas.iita.org/solutions/semi-autotrophic-hydroponics-for-cassave-multiplication/58/details/>

Cassava varieties with high dry matter and starch content: <https://propas.iita.org/solutions/cassava-varieties-with-high-dry-matter-and-starch-content/53/details/>

Disease-resistant cassava varieties: <https://propas.iita.org/solutions/disease-resistant-cassava-varieties/51/details/>

Cassava Business Connector (CBC): <https://propas.iita.org/solutions/cassava-business-connector-cbc/21/details/>

Cassava Seed Tracker (CST): <https://propas.iita.org/solutions/cassava-seed-tracker-details/>

Historical Interactions with the Private Sector

Some Commercial farms provided Technical Backstopping to produce and Process Pro-Vitamin A Cassava in Nigeria



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Farmers' Name	Address	Contact Person	Telephone
Crest Agro	Lokoja, Kogi State	Mr. Oti	08036049862
CATO Foods Limited,	Iwo, Osun State	Mr. Pelumi	08030420700
Riparian Farms	Imala, Ogun State	Mr. Paul	09052278991
Wadahi Farms	Okene, Kogi State	Mr. Ajayi	08062843250
Dyanency Business Synergy	Gboko, Benue Stae	Mr. Daniel Agudu	08069630021
Niji farms	Ilero, Oyo North, Oyo State	Niji Lukas	08037066261
SAWEC	Eruwa, Oyo State	Mrs Bola Adeyemo	07039294461
Olabel farms	Ilaro, Ogun State		8030423532