

GOLDEN CASSAVA VARIETIES (VITAMIN A BIOFORTIFIED)

Yellow-fleshed cassava rich in vitamin A

TECHNOLOGY / SOLUTION



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.



PROBLEM / ISSUE SOLVED

- Most widely consumed staple foods, including cassava, are low in vitamins and minerals
- Vitamin A deficiency is a major public health problem among children and pregnant women in low-income countries
- In sub-Saharan Africa, 50% of children between the ages of 6 months to 5 years suffer from vitamin A deficiency
- Vitamin A deficiency is the leading cause of preventable blindness in children and increases the risk of diseases such as measles, diarrhea and upper respiratory tract infections



GOOD FOR
Small-scale farmers,
Commercial farmers



BENEFITS

- ✓ Contain three times more provitamin A than common cassava varieties, providing consumers with a larger portion of their vitamin A nutritional need
- ✓ Have a shorter growing cycle, and increased resistance to drought and pests
- ✓ Beta-carotene in yellow cassava is preserved during storage and processing, unlike with common varieties
- ✓ Ideal for flour production or processed foods such as bread or chips



Quality characteristic
Speciality

ALREADY IN USE IN



Cassava
Commodity



Same price for cuttings
as other improved varieties
Purchase price



Sold at 20% higher price
Added value Sub-Saharan Africa

HOW DOES IT WORK?

Yellow-fleshed cassava varieties are propagated and grown like common cassava varieties.

For optimal yields, in dry climates, cuttings should be placed horizontally and covered completely with soil. For humid areas with high rainfall, they can be planted vertically or at an angle.

It is planted horizontally if the soil is sandy and slanting if it is clay.

