

# Mechanized Cassava Planting and Harvesting

Empowering Cassava Farmers: More Yield, Less Labor, Better Quality

Mechanized cassava planting and harvesting technology is a specialized equipment of two-row planters and harvesters, typically operated by tractors. This technology improves the efficiency of cassava farming by reducing labor requirements.



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Technology from

[ProPAS](#)

Commodities

Cassava

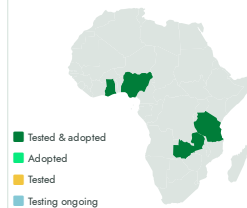
Sustainable Development Goals



Categories

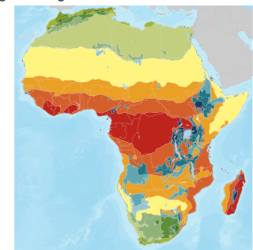
Production, Equipment, Land preparation

Tested/adopted in



Where it can be used

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



Target groups

Farmers



This technology is **TAAT1 validated**.

8-7



Scaling readiness: idea maturity: 8/9; level of use: 7/9

Cost: \$\$\$ **367 USD**

Mechanical cassava production

**50 %**

Reduced of manual cost operation

**13 USD/ha**

Cost of mechanized planting

**25 USD/ha**

Cost of mechanized harvesting



Open source / open access

## Problem

- Low cassava yields (10 t/ha) compared to global competitiveness (minimum expected yield of 25 t/ha).
- Labour-intensive and time-consuming planting and harvesting operations.
- Lack of mechanization and use of modern agricultural technologies in cassava production.

## Solution

- Increase productivity and efficiency in cassava farming. The yield from mechanically managed farm could increase by 38% over the yield in the manually managed farm.
- Reduce production costs associated with manual labor.
- Improve competitiveness of the cassava sub-sector by enhancing productivity and reducing costs through mechanized operations.

## Key points to design your business plan

The Mechanized Cassava Planting and Harvesting technology presents opportunities for fleet managers and users (farmers).

To integrate it in your business,

- Source equipment from countries like Ethiopia, Kenya, Nigeria, Tanzania, Zambia, and Zimbabwe.
- Identify efficient transportation methods and suitable storage facilities.
- Determine costs based on technology size, including transport, import duties, and taxes.
- Consider cost structures, including self-contained planting and harvesting machines.

Gender assessment



Climate impact



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<https://taat.africa/dnb>

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