

# Mechanized Cassava Planting and Harvesting

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



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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.

✓ This technology is **TAAT1 validated**.
8·7
Scaling readiness: idea maturity 8/9; level of use 7/9

Gender assessment 👍 4

Climate impact 👍 7

### 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.

Cost: \$\$\$ <b>367 USD</b>	<b>50 %</b>
Mechanical cassava production	Reduced of manual cost operation
<b>13 USD/ha</b>	<b>25 USD/ha</b>
Cost of mechanized planting	Cost of mechanized harvesting
	Open source / open access

Technology originally documented by  
**ProPAS**

Commodities  
Cassava

Sustainable Development Goals

Categories  
Production, Equipment,  
Mechanized farming

Tested/adopted in

■ Tested & adopted  
■ Adopted  
■ Tested

Where it can be used

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

Target groups  
Farmers

