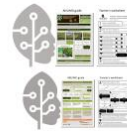


# Weed management for cassava: Six Steps to Cassava Weed Management and Best Planting Practices Decision Support Tool



Low-cost weed management system

The “Six Steps to Cassava Weed Management and Best Planting Practices Decision Support Tool” is a comprehensive tool that provides a robust, step-by-step guide for cassava growers. It assists them in making informed decisions from site selection to weed control and implementing best planting practices on their farms. The tool also includes a herbicide calculator that aids farmers and Spray Service Providers in calibrating their sprayers to apply herbicides safely and effectively<sup>1</sup>.

This technology is **TAAT1 validated**.
 
**5•4**

 Scaling readiness: idea maturity 5/9; level of use 4/9

**Project adoption**  
 The technology has been integrated in the **ENSURE project**: in 7 regions of the East African Community

**20-30 USD per hectare** for herbicide
 **20 vs 9 ton per hectare** trained farmers yeild vs national average

**IP**  
 Open source / open access

### Problem

- Inefficient Site Selection:** Farmers may face challenges in selecting suitable sites for cassava production.
- Limited Knowledge of Pre-plant Preparation:** Farmers might lack guidance on pre-plant land preparation using herbicides.
- High cost of labor:** The cost implications of ploughing and ridging might present a challenge, influencing decision-making for cassava growers.
- Inadequate Planting and Weed Control Procedures:** There is a lack of clear recommendations regarding planting methods and pre/post-emergence weed control.

### Solution

- Site Selection Guidance:** The tool offers guidance for farmers to select appropriate sites for cassava production.
- Land Clearing Recommendations:** Provides guidance on whether and when to slash the farm, addressing uncertainties related to land clearing.
- Pre-plant Herbicide Guidance:** Offers guidance on pre-plant land preparation using herbicides.
- Informed Decision-making on Tillage:** Guides cassava growers on making informed decisions about ploughing and ridging, considering the cost implications.
- Clear Planting and Weed Control Procedures:** Provides explicit recommendations for planting methods and pre/post-emergence weed control, assisting growers in managing their crop effectively.

**International Institute of Tropical Agriculture (IITA)**  
Friday Ekeleme

Technology from  
**ProPAS**

Commodities  
Cassava

Sustainable Development Goals

Categories  
Production, Practices, Weed management

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.

Target groups  
Farmers

Inclusion assessment **4**

Climate impact **7**

