

# Cut and Bury: Motorized weeders for rice production

Effortless Weed Control for Bountiful Harvests

The Motorized Weeders for rice production (cut and bury) technology eliminate weeds in rice crops. The rotating blades of the weeders ensure effective weeding while minimizing damage to rice crops and soil. These machines can be used from the germination of rice plants until the canopy closes.



AfricaRice

**Africa Rice Center**  
Kalimuthu Senthilkumar

Technology from

ProPAS

Commodities

Rice

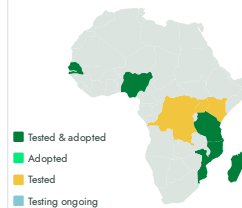
Sustainable Development Goals



Categories

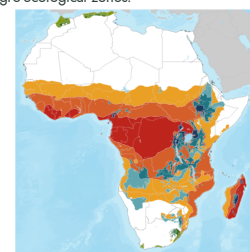
Production, Equipment, Land preparation,  
Weed control

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**.

8-8



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

Cost: \$\$\$ **550—750 USD**

Cut & bury with a 2-stroke petrol engine

ROI: \$\$\$ **80 %**

Labour-saving for weeding.



Open source / open access

## Problem

- Labor-intensive manual clearing of paddy fields
- Inefficient weed control methods leading to reduced rice yields
- Limited access to affordable and effective mechanized weeders for smallholder rice farmers

## Solution

- Introduction of motorized weeders for efficient clearing of paddy fields
- Adoption of mechanized weed control methods to increase rice yields
- Provision of affordable and effective mechanized weeders for smallholder rice farmers

## Key points to design your business plan

The Motorized Weeders for rice production (cut and bury) technology appeals to manufacturers, resellers, and users (farmers).

For Manufacturers:

- Identify raw material suppliers and efficient transportation methods.
- Evaluate costs and target customers like resellers, cooperatives, and development projects.

For Resellers:

- Source equipment from reputable manufacturers and ensure proper transportation and storage.
- Determine costs and highlight benefits to attract farmers, development projects, and cooperatives.

For Users:

- Utilize motorized weeders to enhance farming efficiency.
- Partner with sellers.

Gender assessment

4

Climate impact

7



Cut and Bury

<https://taat.africa/rec>

Last updated on 31 May 2024, printed on 15 May 2025

Enquiries [e-catalogs@taat.africa](mailto:e-catalogs@taat.africa)