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

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This technology is TAAT1 validated.

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

Gender assessment 4

Climate impact 7

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 project

The adoption of Motorized Weeders for rice production offers a solution to enhance agricultural efficiency and reduce labor-intensive tasks. Key steps to integrate this technology include:

- Informing farmers, importing or locally fabricating equipment.
- Organizing collective purchases or rentals, and facilitating access to small loans.
- Training and support for technology usage and maintenance are essential.

Cost: $$$ **550—750 USD**

Cut & bury with a 2-stroke petrol engine

ROI: $$$ **80 %**

Labour-saving for weeding.

IP

Open source / open access

Technology from

ProPAS

Commodities

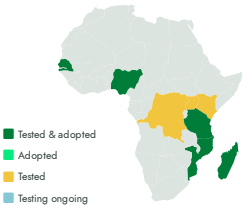
Rice

Sustainable Development Goals

Categories

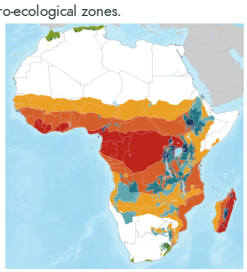
Production, Equipment, Land preparation, Weed control

Tested/adopted in



Where it can be used

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



Target groups

Farmers