

# Cut and Bury: Motorized weeders for rice production

Effortless Weed Control for Bountiful Harvests



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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.

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

Technology from  
**ProPAS**

Commodities  
Rice

Sustainable Development Goals

Categories  
Production, Equipment, Land preparation, Weed control

Tested/adopted in

- Tested & adopted
- Adopted
- Tested
- Testing ongoing

Cost: **\$\$\$ 550—750 USD**      ROI: **\$\$\$ 80 %**  
 Cut & bury with a 2-stroke petrol engine      Labour-saving for weeding.  
**IP**  
 Open source / open access

Where it can be used

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

Target groups  
Farmers

