

Mechanical seeders to save labor for direct seeded rice in the lowland and upland of Madagascar

Project Title: P1578 - AfricaRice contribution to RICE Flagship Project 3

Description of the innovation: Three different types of mechanical seeders were developed to save labor in direct seeded rice. The seeders were tested in lowland and upland conditions in Madagascar. The three manual seeders reduced the labour requirement by 60-70% compared to manual seeding. Received feedback from 222 farmers for further improvements are completed and ready for uptake.

New Innovation: No

Stage of innovation: Stage 3: available/ ready for uptake (AV)

Innovation type: Production systems and Management practices

Geographic Scope: National

Number of individual improved lines/varieties: <Not Applicable>

Country(ies):

- Madagascar

Description of Stage reached: Three types of seeders were tested on-station and on-farm in Madagascar. In 2018, the small-scale equipments were demonstrated to 222 farmers and their opinions were collected to further improvement. The three seeders were further improved and tested in the 2019-2020 cropping season in Madagascar.

Name of lead organization/entity to take innovation to this stage: AfricaRice - Africa Rice Center

Names of top five contributing organizations/entities to this stage:

- CFAMA - Centre de Formation et d'Application du Machinisme Agricole
- AfricaRice - Africa Rice Center

Milestones:

- Top 10% female farmers benefit from labor-saving technologies at two action sites

Sub-IDs:

- 37 - Technologies that reduce women's labor and energy expenditure adopted

Contributing Centers/PPA partners:

- AfricaRice - Africa Rice Center

Evidence link:

- <https://tinyurl.com/y456zsyx>

Deliverables associated: <Not Defined>

Contributing CRPs/Platforms:

- Rice - Rice