

Flood-tolerant rice varieties for Bangladesh (sub1)

Project Title: P1573 - IRRI contribution to RICE Flagship Project 5

Description of the innovation: The Bangladesh Rice Research Institute (BRRI) and the Bangladesh Institute of Nuclear Agriculture (BINA), in collaboration with the International Rice Research Institute (IRRI), have already developed and promoted five Sub1 rice varieties, BRRI dhan51, BRRI dhan52, BRRI dhan79, BINA Dhan 11, and BINA Dhan 12, which are suitable for farming in the Aman season (July-November). The main attribute of Sub1 rice varieties is that they can survive at least 7-14 days under water.

New Innovation: No

Stage of innovation: Stage 4: uptake by next user (USE)

Innovation type: Genetic (varieties and breeds)

Geographic Scope: National

Number of individual improved lines/varieties: 1

Country(ies):

- Bangladesh

Outcome Impact Case Report: <Not Defined>

Description of Stage reached: This study examines the adoption of submergence-tolerant (Sub1) rice varieties, grown in the Aman season in northwest Bangladesh, using data obtained from more than 1,100 farm households. The predicted probability of adopting Sub1 varieties is about 0.40, implying that 40% of the sampled farm households adopted Sub1 rice varieties.

Name of lead organization/entity to take innovation to this stage: IRRI - International Rice Research Institute

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

- BRRI - Bangladesh Rice Research Institute

Milestones: No milestones associated

Sub-IDs:

- 11 - Adoption of CGIAR materials with enhanced genetic gains

Contributing Centers/PPA partners:

- IRRI - International Rice Research Institute

Evidence link:

Deliverables associated: <Not Defined>

Contributing CRPs/Platforms:

- Rice - Rice