

Native trait deployment lines for rice

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

Description of the innovation: Critical genes are often absent from elite material, hence breeders are unable to leverage the value of those genes in the breeding program. The native trait deployment products move these high-value genes into high-value elite material, which breeders can use to introduce into their breeding programs. Deployment products are at a very high standard of genetic quality, with RPP >97% and introgressions 0.125% of the genome size.

New Innovation: No

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

Innovation type: Genetic (varieties and breeds)

Geographic Scope: Global

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

Description of Stage reached: Deployment products are fully completed and available for use by breeders. They are being actively distributed to key partners within IRRI, at CGIAR partner institutes, and at NARES partners.

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: <Not Defined>

Milestones:

- 50% of the targeted breeding tools and resources developed and used in breeding programs. Use of gene editing for the validation of genes involved in adsorption of cadmium

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