

INTA Las Minas: A new zinc biofortified rice variety in Nicaragua

Project Title: P333 - Biofortified varieties

Description of the innovation: Variety of biofortified zinc rice released in Nicaragua. Key traits of interest: First wave variety with full target level for zinc; high grain yield, large size grains, high milling quality, good cooking quality, well adapted for production under irrigated conditions in traditional and technified productive systems in the country, resistance to root lodging and major rice foliar diseases prevalent in Nicaragua.

New Innovation: No

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

Innovation type: Genetic (varieties and breeds)

Geographic Scope: National

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

Country(ies):

- Nicaragua

Description of Stage reached: Collaboration between HarvestPlus, CGIAR breeding centers, and NARS resulted in the release of 23 new varieties of 7 biofortified crops in 9 countries, in 2020. Evidence provided links to the biofortification crops map. An internal HarvestPlus database along with breeding reports can be made available upon request.

Name of lead organization/entity to take innovation to this stage: INTA - Instituto Nicaragüense de Tecnología Agropecuaria

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

- CIAT (Alliance) - Alliance of Bioversity and CIAT - Regional Hub (Centro Internacional de Agricultura Tropical)
- CIRAD - Centre de coopération internationale en recherche agronomique pour le développement
- HarvestPlus

Milestones:

- 75 countries host multi-location testing of biofortified crops

Sub-IDs:

- 14 - Increased availability of diverse nutrient-rich foods

Contributing Centers/PPA partners:

- IFPRI - International Food Policy Research Institute

Evidence link:

- <https://tinyurl.com/yzv8sz32>
- <https://tinyurl.com/yf7k4sw8>

Deliverables associated: <Not Defined>

Contributing CRPs/Platforms:

- A4NH - Agriculture for Nutrition and Health