

Zinc Gahun-1: A new zinc biofortified wheat variety in Nepal

Project Title: P333 - Biofortified varieties

Description of the innovation: Variety of biofortified zinc wheat released in Nepal. 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 optimum and stress environments, resistance to root lodging and major rice foliar diseases prevalent in Nepal.

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):

- Nepal

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: NWRP - National Wheat Research Program

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

- CIMMYT - Centro Internacional de Mejoramiento de Maíz y Trigo / International Maize and Wheat Improvement Center
- 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