

GV6023A: a new vitamin A biofortified maize variety in Zambia

Project Title: P333 - Biofortified varieties

Description of the innovation: Variety of biofortified vitamin A maize released in Zambia. Key traits of interest: 3rd wave variety 70-100% VitA target level, 3-way hybrid, medium-late maturity, longer cobs, bigger grain size, tolerance to both stem and root lodging.

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):

- Zambia

Description of Stage reached: In 2019, 27 new varieties of vitamin A banana/plantain, cassava, maize, and sweet potato; iron beans, cowpea, and pearl millet; zinc rice, maize, and wheat were released. 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: ZARI - Zambia Agriculture Research Institute

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

Milestones:

- Three HarvestPlus Phase 1 ('target') countries release third-wave of at least five tier 1 crop varieties

Sub-IDs:

- 14 - Increased availability of diverse nutrient-rich foods

Contributing Centers/PPA partners:

- IFPRI - International Food Policy Research Institute

Evidence link:

- Here is the link to access the biofortified crops map:
https://www.harvestplus.org/sites/default/files/publications/HP_2019_CropMap_update_v5_0515.pdf.
The revised version of the crop map will include this variety. An internal HarvestPlus database, along with the breeding reports, can be made available upon request.

Deliverables associated: <Not Defined>

Contributing CRPs/Platforms:

- A4NH - Agriculture for Nutrition and Health