

Establishment of the Maize Doubled Haploid Facility, the first public DH facility

Project Title: P1251 - Establishing DH facility, DH operations and integrating DH technology in maize breeding programs in Asia

Description of the innovation: This will be the first public DH facility for Asia and will help generate at least 25,000 DH lines per year and serve the needs of CIMMYT, national partners and seed company partners (mainly members of the International Maize Improvement Consortium)

New Innovation: No

Stage of innovation: Stage 1: discovery/proof of concept (PC - end of research phase)

Innovation type: Production systems and Management practices

Geographic Scope: Regional

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

Region:

- South-Eastern Asia

Description of Stage reached: This will be the first public DH facility for Asia and will help generate at least 25,000 DH lines per year and serve the needs of CIMMYT, national partners and seed company partners (mainly members of the International Maize Improvement Consortium)

Name of lead organization/entity to take innovation to this stage: CIMMYT - Centro Internacional de Mejoramiento de Maíz y Trigo / International Maize and Wheat Improvement Center

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

- DMR - ICAR-Indian Institute of Maize Research

Milestones: No milestones associated

Sub-IDs:

- 11 - Adoption of CGIAR materials with enhanced genetic gains

Contributing Centers/PPA partners:

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

Evidence link:

- <https://tinyurl.com/yhgp8kmx>

Deliverables associated:

- D6745 - Haploid induction in at least 10 CIMMYT-Asian source populations tested using second-generation haploid inducers (**Not disseminated**)
- D18025 - DH facility establishment and functionality (**Not disseminated**)
- D18026 - Generation of DH lines (**Not disseminated**)

Contributing CRPs/Platforms:

- EiB - Excellence in Breeding Platform
- Maize - Maize