

51 new pre-breeding wheat lines with high yield potential and climate resilience for Mexico

Project Title: P1460 - MasAgro Trigo

Description of the innovation: 51 lines suitable for pre-breeding have been developed for use in conditions suited to Mexico's growing regions. The lines show high yield potential and resilience to heat and drought impacted conditions.

New Innovation: No

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

Innovation type: Genetic (varieties and breeds)

Geographic Scope: National

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

Country(ies):

- Mexico

Description of Stage reached: 51 new pre-breeding wheat lines showed greater yield potential and climate resilience. The lines show high yield potential and resilience to heat and drought impacted conditions, but have not yet been piloted.

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:

- SAGARPA - Secretariat of Agriculture, Livestock, Rural Development, Fisheries and Food/Secretaría de Agricultura, Ganadería, Desarrollo Rural, Pesca y Alimentación (Mexico)

Milestones: No milestones associated

Sub-IDs:

- 11 - Adoption of CGIAR materials with enhanced genetic gains

Contributing Centers/PPA partners:

Evidence link:

- <https://tinyurl.com/teuwyt7>

Deliverables associated:

- D10611 - List of outstanding wheat pre-breeding lines with high yield potential from the HiBAP II essay evaluated during the 2018-2019 winter cycle. **(Not disseminated)**
- D10617 - List of outstanding drought tolerant pre-breeding lines evaluated and selected during the 2018-2019 winter cycle. **(Not disseminated)**
- D10619 - At least 50 new pre-breeding lines with increased yield potential and/or climate resilience are made available to INIFAP for evaluation during the 2019-2020 winter cycle. **(Not disseminated)**
- D10618 - List of outstanding heat tolerant pre-breeding lines evaluated and selected during the 2018-2019 winter cycle. **(Not disseminated)**

Contributing CRPs/Platforms:

- CCAFS - Climate Change, Agriculture and Food Security
- Wheat - Wheat