4 new dual-purpose barley elite genotypes shared with the Institut National de la Recherche Agronomique (INRA) in Morocco for validation and potential release

Project Title: P1685 - Product Line 3.2.1: Improved feed & forage germplasm and new tools and technologies for breeding

Description of the innovation: 4 new dual-purpose barley elite genotypes were shared with INRA Morocco to be planted in the 2020/21 season for validation and potential release. Dual-purpose meaning that they can be used for green forage (grazing) and exhibit good recovery that provides high yield for grain and straw at maturity for feed.

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):

- Morocco

Description of Stage reached: The lines have been shared with NARS for validation (piloting).

Name of lead organization/entity to take innovation to this stage: ICARDA - International Center for Agricultural Research in the Dry Areas

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

- INRA - Institut National de la Recherche Agronomique (Morocco)

Milestones:

- 3.3.11 10 Barley genotypes with higher biomass, higher grain yield, better tolerance to biotic and abiotic stresses validated by NARS partners in field stations in Morocco and Ethiopia.

Sub-IDOs:

- 11 - Adoption of CGIAR materials with enhanced genetic gains

Contributing Centers/PPA partners:

- ICARDA - International Center for Agricultural Research in the Dry Areas

Evidence link:

- https://repo.mel.cgiar.org/handle/20.500.11766/10826
- https://repo.mel.cgiar.org/handle/20.500.11766/12596

Deliverables associated:

- D17284 - Report on 13 barley genotypes transferred to INRA Morocco for large scale evaluation and possible release to farmers. (https://repo.mel.cgiar.org/handle/20.500.11766/12595)
- D10530 - Report on identifying 10 genotypes of barley with better foliar disease resistance in combination of straw and grain yield from nearly 500 tested in Morocco (https://repo.mel.cgiar.org/handle/20.500.11766/10826)
- D17287 - Report: Elite germplasm evaluated under ICARDA global barley breeding program shared through International yield nurseries for rainfall-low input as well as optimum management conditions. (https://repo.mel.cgiar.org/handle/20.500.11766/12630)

Contributing CRPs/Platforms:

- Livestock - Livestock