

## Evidences

### Study #4015

#### Contributing Projects:

- P882 - IWYP Hub
- P1356 - 'HeDWIC' initiative to address wheat production in LDCs under global warming during the next 3 decades
- P1460 - MasAgro Trigo

#### Part I: Public communications

**Type:** Ex-ante, baseline and/or foresight study

**Status:** Completed

**Year:** 2020

**Title:** Usefulness of breeder-friendly phenotyping approaches and methods at different stages of the breeding cycle

**Commissioning Study:** WHEAT, MasAgro Trigo, IWYP

#### Part II: CGIAR system level reporting

#### Links to the Strategic Results Framework:

Sub-IDs:

- Adoption of CGIAR materials with enhanced genetic gains

Is this OICR linked to some SRF 2022/2030 target?: No

Description of activity / study: This review considers the 'breeder friendliness' of phenotyping within three domains: (i) the 'minimum data set', where being 'handy' or accessible and easy to collect and use is paramount; (ii) the high throughput phenotyping (HTP); (iii) detailed characterization or 'precision' phenotyping, typically customized for a set of traits associated with a target environment. Extra investment for phenotyping is becoming more accepted to capitalize on recent developments in crop genomics and prediction models. This review considers different contexts for phenotyping, including breeding, exploration of genetic resources, parent building and translational research, and how the different categories of phenotyping apply to each.

#### Geographic scope:

- Global

Comments: <Not Defined>

#### Links to MELIA publications:

<Not Defined>