BARLEY CAIGE

Update, Canberra 17 March 2014

Barley CAIGE

- Project commenced July 2013
- First meeting in Melbourne in conjunction Barley Technical Symposium, September 2013
- Nursery imported from ICARDA:
  - 14 International Barley Yield Trial (High Input)
  - 14 International Barley Yield Trial (Winter Barley)
  - 1 Global Spring Barley Yield Trial (Low Input)
  - 1 Global Spring Barley Screening Nursery (Low Input)
  - International Naked Barley Yield Trial
- 25 entries in each of the yield trials
- 150 Entries in screening nursery

Barley CAIGE

- Quarantine 2013/14
  - 226 lines in quarantine after removing duplicates
  - 16 lines segregating (2 row and 6 row types)
  - 1 line mix with durum wheat
  - 24 lines showing verbalisation requirement (14 are winter types)
  - Selection history not provided for all nurseries, so not able to eliminate all duplicates
  - Will be cleared from quarantine as soon as possible

Barley CAIGE

- Plans 2014
  - Seed increase two sites
  - Phenotyping for disease resistance will commence with as many traits as possible, but dependent on amount of seed available post-quarantine.
  - Import set of lines selected from across ICARDA nurseries (as currently happens with wheat). To be discussed during trip to Morocco.
  - Obtain access to phenotype data on lines imported. To be discussed in Morocco.

Morocco 2014

- Project supports exchange visits with ICARDA.
- Travel to ICARDA every second year (2014, 2016, 2018)
- ICADRA breeders to visit Australia in alternate years
- First visit is to Morocco in April 2014
  - Mark Dieters
  - Stewart Coventry
  - Reg Lance
  - Livinius Emebiri
  - Davinda Singh
  - (Richard Trethowan)