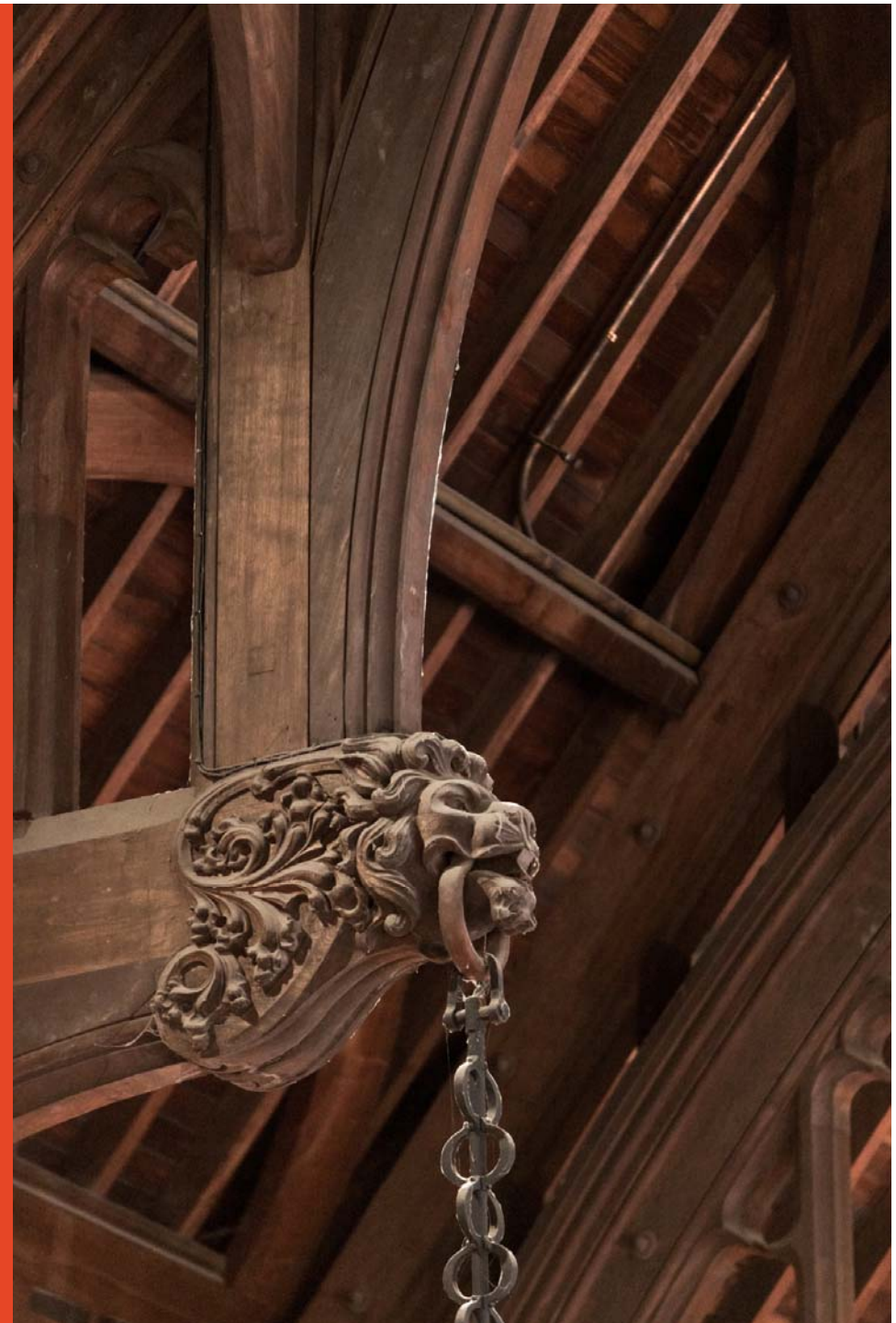


CAIGE QUESTIONNAIRE RESPONSES FROM THE AUSTRALIAN WHEAT BREEDING COMMUNITY

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Background to the Questionnaire

- **Each of the key bread and durum wheat improvement groups was given a survey seeking their input on;**
 - value of the CAIGE project to their organisation.
 - feedback to make CAIGE more relevant to their breeding programs.
 - The questions formulated were general in nature as quantitative data was considered to have commercial value and was therefore confidential.

- **Responses were received from all key wheat breeding companies except one. Both Durum breeding groups responded.**

CAIGE – CIMMYT and ICARDA GERMPLASM EXCHANGE - multiple partner project

Partnerships

Universities



Government



Institutions



Private industry



How important is the CAIGE germplasm to your breeding program?

- **CAIGE provides an outstanding service to the Australian wheat breeding community by providing new germplasm.**
- **CAIGE germplasm is of moderate importance across the company.**
- **CAIGE germplasm is a very important source of yield and adaption traits.**
- **It as a critical source of new germplasm for the Australian environment.**

How have you been using materials imported through CAIGE in your breeding program?

- **CAIGE germplasm has been used widely for some regions.**
- **Various ways – but mainly as unique sources of germplasm to broaden the genetic variation.**
- **We funnel the best lines into a preliminary variety trial.**
- **We have several CAIGE lines in our Advanced Yield test.**
- **Major source of diversity both as direct introductions as well as crossing parents.**

How can we make the imported materials more useful to your program?

- **More associated quality data with the lines (x2 BW, x1 DW).**
- **A second year of yield trials would be great – difficult to achieve. The top performers could be retained though for a second year perhaps?**
- **Don't increase the size and find more diverse material to include .**
- **The current range of germplasm is adequate .**

What additional information or data would you like to have on the imported materials?

- We don't need more data, but the data we have (markers, quality, resistance, yield, agronomic) could be combined into a single spreadsheet so that it can be easily viewed per year of germplasm import .
- Improvements to make the CAIGE database more 'user-friendly' would be welcomed; integration of the Turkey Crown Rot and Nematode data would be welcomed.
- Timely notification of what sets of lines (e.g Crown Rot; Nematodes; Heat Stress; Synthetics) can be accessed by special request.
- More Quality data (from CG and also in Australia).
- Any other known gene information would be great (SNP data and a summary of the genes present would be a handy addition).
- Better information on pedigrees and origins of lines.

Are there any changes that you would like to see in a future version of CAIGE?

- **Focus the project on germplasm importation/dissemination and data curation.**
- **Timely dissemination of data from the collaborative yield trials.**
- **Include the top ten performers countrywide from the previous years' CAIGE nursery into the current nursery?**
- **More diverse material.**
- **I am happy with the current model.**
- **A small budget for extra quality testing course specific to durum.**

General conclusions from Wheat Breeder Questionnaire

- **There is overriding broad support for the continuation of CAIGE across the wheat breeding programs with some variation in the strength of support by company.**
- **The coordinated CAIGE yield trial, associated disease information and access to all associated CGIAR data was considered valuable by all companies.**

THANKYOU TO ALL CAIGE COLLABORATORS FOR PROVIDING THEIR TIMELY INPUT INTO THE SURVEY