

Germplasm Resources Unit: BBSRC-supported National Facility Wheat Germplasm Resources

Mike Ambrose, Liz Sayers and Steve Reader



The GRU is home to the UK's largest public wheat germplasm collections. They are housed in a purpose built seed storage facility and managed by dedicated and experienced staff.

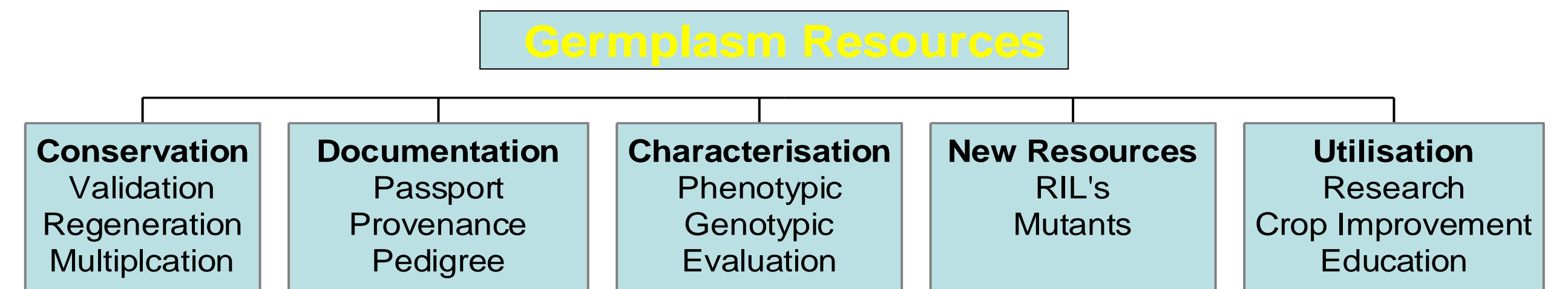


Introducing the team:
Left: Mike Ambrose who Manages the Unit

Middle: Liz Sayers, Co-Curator of the BBSRC Small Grain Cereal Collections and responsible for the GRU regeneration and multiplication programme.

Right: Steve Reader, Curator of the Triticeae, Watkins and Wheat Precise Genetic Stocks collections.

Our role is to curate and distribute key germplasm resources and associated information to the wider community



If you are trying to source any wheat or wild relative or are interested in learning more about our germplasm then please get in touch.

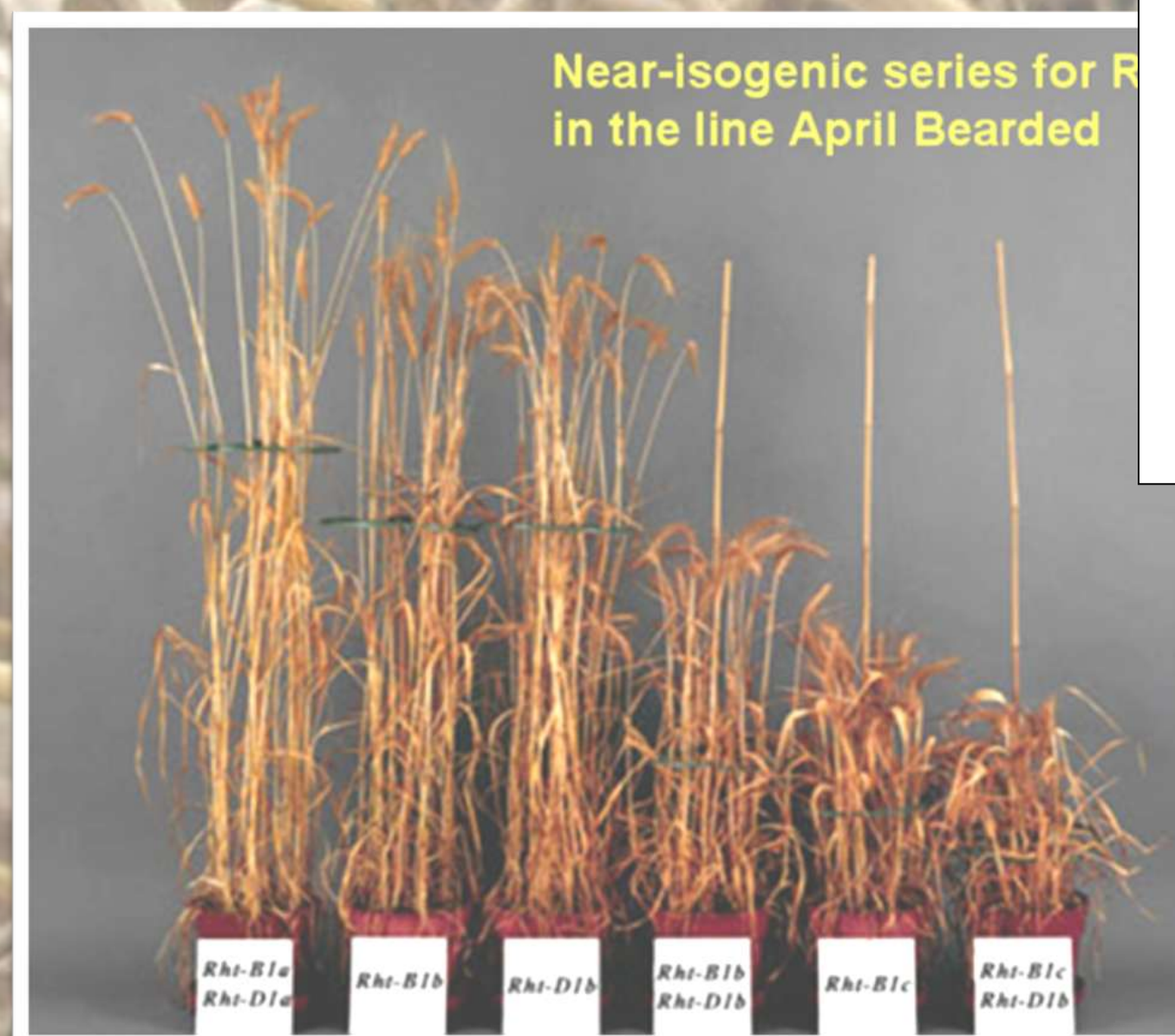
Why delay, contact us today!



Varying dosage of chromosome 5A
2 0 1 1S 2S 2L



In Chinese Spring backcross



Near-isogenic series for Rht in the line April Bearded

Table of Collections

- BBSRC Small Grain Cereal Collections (9575 wheat, 10839 barley and 2613 oat accessions).**
- Wheat Precise Genetic Stocks (660 cytogenetically characterised stocks). Internationally recognised as one of the most comprehensive collections.**
- Triticeae Collection (1350 accessions of 2x, 4x and 6x, wild and cultivated wheat relatives)**
- Watkins Landrace Wheat Collection (1200 accessions) Selections of landrace wheats collected from around the world in the late 1920s.**



Web-searchable databases and listings

Search interface for BBSRC Small Grain Cereal Collections. Fields include Accession Number, Accession Name, Genus/Species, and Country of Origin. Results table shows accessions for April Bearded, Glendowie, and Mavis Buter.

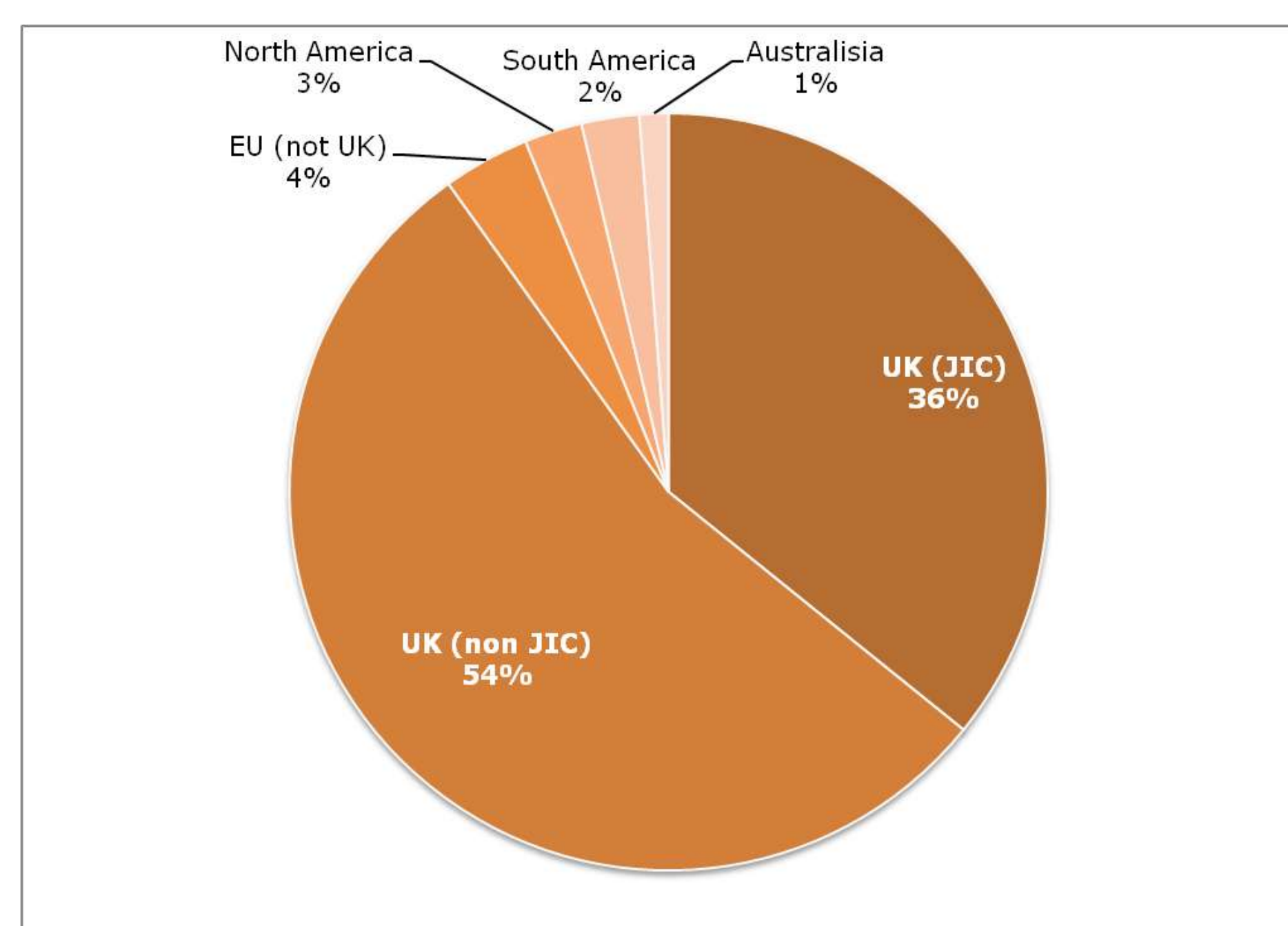
<http://data.jic.bbsrc.ac.uk/cgi-bin/germplasm/cereals.asp>

Search interface for JIC Triticeae Collection. Fields include Accession Number, Accession Name, Genus/Species/Sub-Taxa, and Genome. Results table shows accessions for Aegilops umbellata and Aegilops umbellata taurica.

<http://data.jic.bbsrc.ac.uk/cgi-bin/germplasm/triticeae/>

Enquiry profile for the wheat Public Collections (2010-11)

(61% research, 10 breeders, 29% Educational)



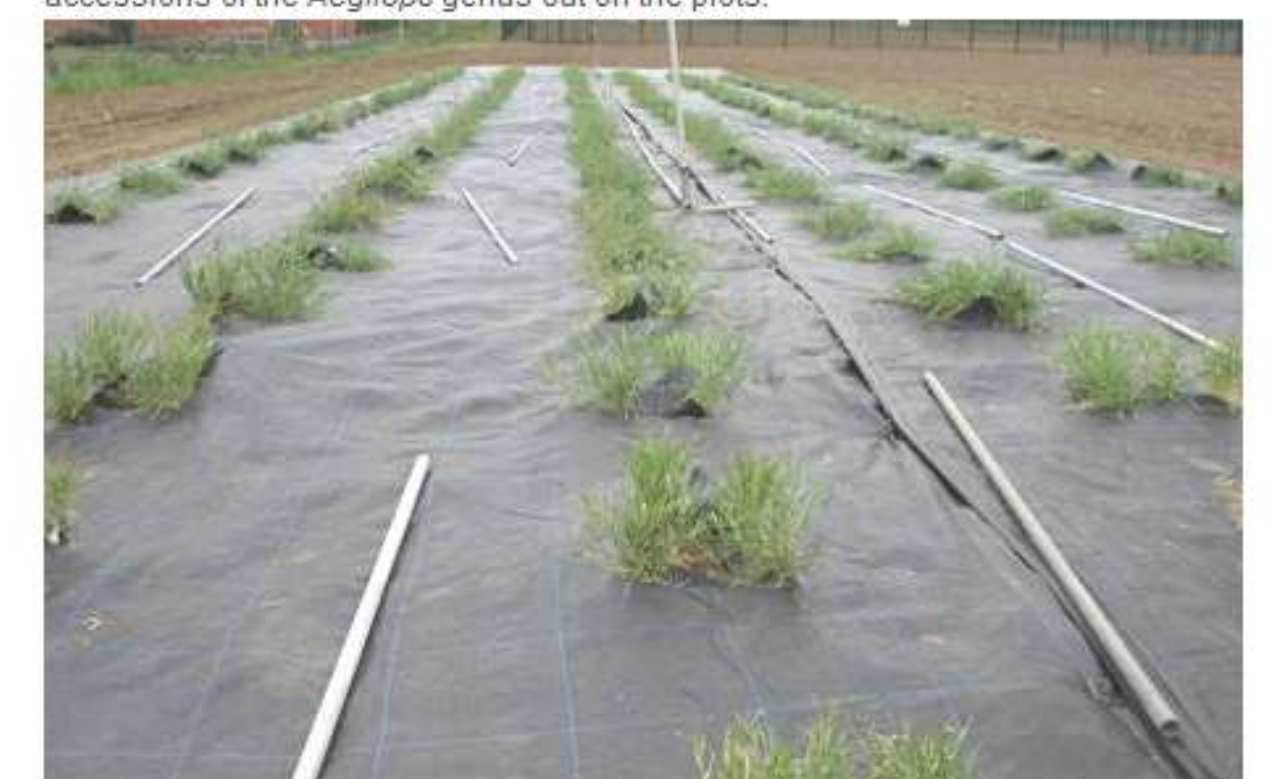
New for 2011: eNewsletter

- ✓ extended outreach
- ✓ new subscribers
- ✓ enhanced uptake



Regeneration Listings

1. Wild Triticeae Collection: The first half of a two year exercise we have planted out 186 accessions of the Aegilops genus out on the plots.



For further information relating to the collections please contact:
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Relevant web sites:
<http://www.jic.ac.uk/GERMPLAS/Collections.htm>
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