

Supplementary Note

Characteristics of the Group 2 barleys

As well as the significant genetic difference between the two groups of barley, the following morphological characteristics of the Group 2 accessions (AI 9 JIC 3962, AI 39 Scots Bere 4828, AI 95 Haidd Garw K17470) are at the extreme of the range for bere:

- All three accessions, but especially AI 95, have ears which are very vertical. In most beres, the ears tend to drop more to the horizontal.
- For all three accessions, but especially AI 39 and AI 95, the first leaf tends to have a vertical attitude, compared with the more horizontal or prostrate pose of most bere accessions.
- AI 39 has markedly wider leaves than any other bere.
- AI 39 has the longest stem length of all the bere accessions.
- For the full set of bere accessions, the length of the awns beyond the tip of the grain-bearing part of the ear is shortest in AI 95, followed by AI 9. AI 39 was not unusual in this respect.
- The arrangement of grains in three rows on either side of the head is not as distinct in AI 39 as in the other beres.
- AI 95 has stiffer straw that is less susceptible to brackling and necking than other beres. AI 9 and AI 39 are also among the beres with least brackling and necking.