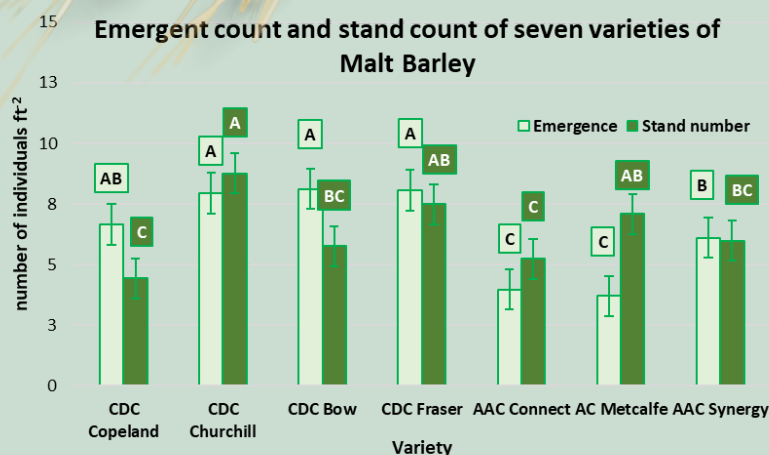


VARIETY TRIALS

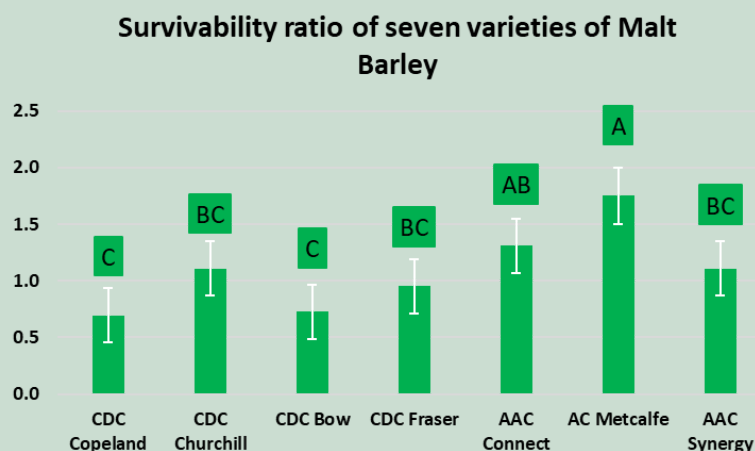
MALT BARLEY

Emergence counts were greater in CDC Churchill, CDC Bow and CDC Fraser compared to AAC Connect and AC Metcalfe ($P \leq 0.0001$). There was no difference in emergence counts in CDC Copeland compared to AAC Synergy as well as CDC Churchill, CDC Bow and CDC Fraser.



Stand counts on the other hand were greater in CDC Churchill compared to CDC Copeland and AAC Connect ($P=0.0106$). CDC Fraser and AC Metcalfe stand counts were as great as those found in CDC Churchill. On the same note, CDC Bow and AAC Synergy had the same stand count as those found in CDC Copeland and AAC Connect.

Survivability ratio, which is the quotient of stand number of individuals over number of emergent individuals of the same variety differed across varieties ($P=0.0193$). The greater the ratio means the stand number is superior in comparison to the number of emergent individuals. In other words, emergent plants survived and more of them thrived over the growing season.



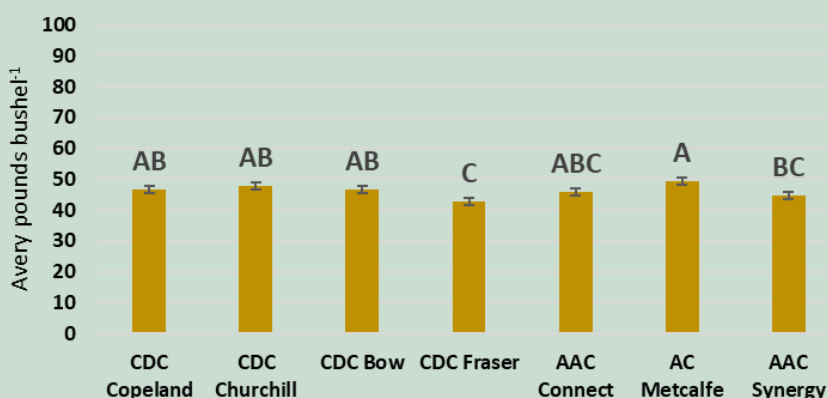
Thus, AC Metcalfe had a greater survivability ratio compared to the rest of the varieties except AAC Connect. The same variety had a ratio as high as that found in CDC Churchill, CDC Fraser and AAC Synergy. In addition, these three varieties had ratios statistically similar to those computed for CDC Copeland and CDC Bow.

VARIETY TRIALS

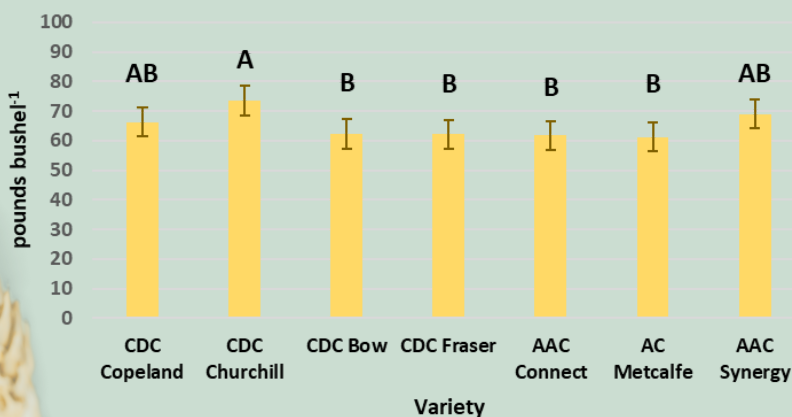
MALT BARLEY

CDC Churchill was more yielding than the other varieties except CDC Copeland and AAC Synergy. Test weight was greater in AC Metcalfe compared to AAC Synergy and CDC Fraser. CDC Copeland, CDC Churchill, CDC Bow and AAC Connect had test weights as heavy as that found in AC Metcalfe.

Test weight of seven varieties of malt barley



Grain yield of seven varieties of malt barley



KEY POINTS:

- Emergence was greater in CDC Bow, CDC Churchill and CDC Fraser
- CDC Churchill, CDC Fraser and CDC Metcalfe stand count was also among the highest
- Survivability was greater in CDC Metcalfe and CDC Connect
- CDC Churchill was higher yielding, but CDC Copeland and AAC Synergy can produce just as great yields as CDC Churchill does