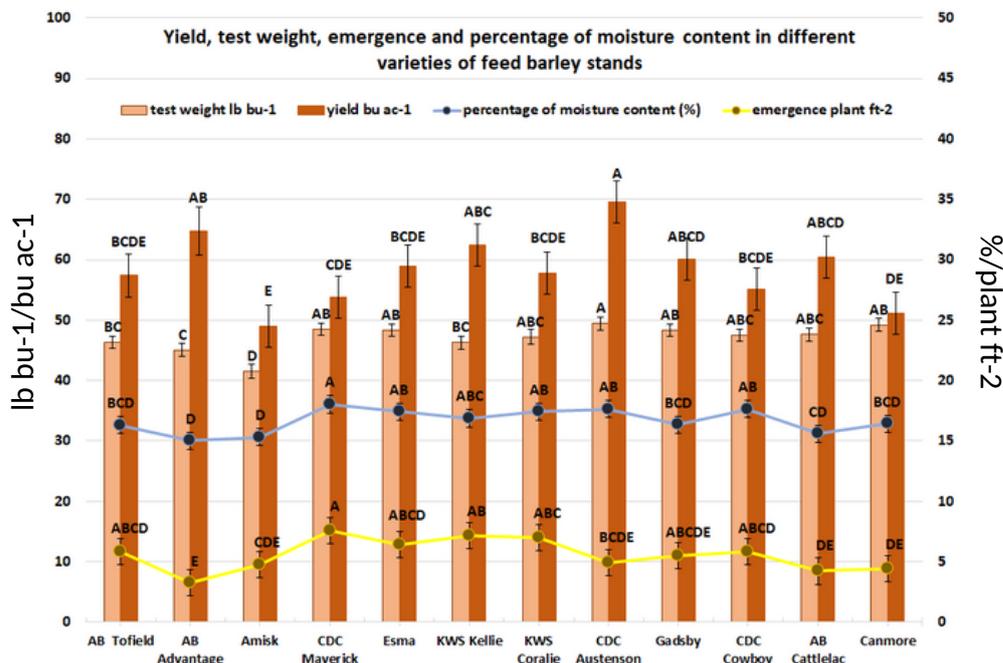


FEED BARLEY AND MALT BARLEY VARIETY TRIAL RESULTS - 2021

Feed barley

Number of plants per square foot was greater in AC Maverick, and KWS Kellie varieties in contrast to AB Advantage, CDC Cowboy and Canmore varieties ($P=0.0197$). Percentage of moisture content was lower in AB Advantage, Amisk and AB Cattlelac feed barley varieties; higher moisture content was found in CDC Maverick, Esma, KWS Coralie, CDC Austenson and CDC Cowboy varieties ($P=0.0014$).



Test weight was highest in CDC Austenson, CDC Maverick, Esma, Gadsby and Canmore varieties whereas Amisk and AB Advantage possessed the lowest ($P=0.0011$). Varieties that produced the greatest yield were CDC Austenson and AB Advantage, whereas Amisk and Canmore were the least yielding ($P=0.0167$).

Overall, CDC Austenson is the highest yielding variety with the heaviest test weight despite having a low number of plants per square foot compared to other varieties. The variety Amisk, on the other hand, was low yielding and test weight, moisture content and emergence were less than other varieties.

Malt barley

Similar to feed barley, emergence varied across treatments ($P=0.0130$). As such, CDC Copeland had a greater number of plants per square foot compared to CDC Anderson. Moisture content was higher in CDC Bow and smaller in CDC Anderson and AAC Connect ($P<0.001$).

Malt barley varieties such as CDC Anderson and AAC Connect had lower test weights compared to the higher test weights found in CDC Bow ($P=0.0007$). There was no difference in yield among malt barley varieties ($P=0.2048$).

In summary, CDC Bow exhibited a heavier test weight and higher moisture content with comparable emergence to CDC Copeland. These two varieties showed values above those obtained from the CDC Anderson variety. CDC Anderson overall was lower yielding, and showed lower values of test weight, moisture content and number of plants per square foot.

