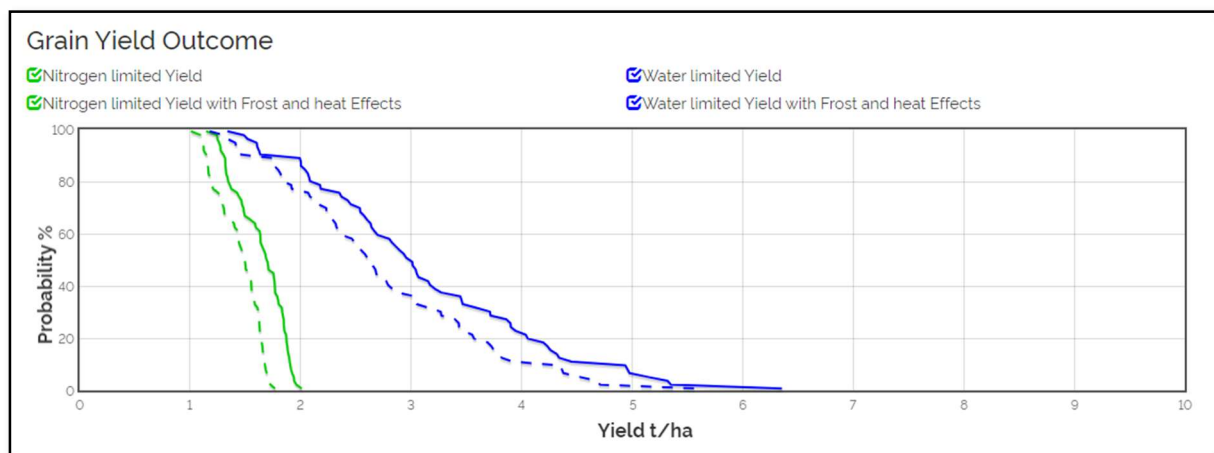


## Cleve focus site, prepared 14 June 2024

**Table 2.** Cleve focus paddock information.

Crop	Sowing	Maturity	Soil type	Stored moisture (to 60 cm)	2022 Stubble	Initial N (to 60 cm)	N applied
Wheat	1 June	8 Nov	Sandy clay loam	62 mm	Canola	33 kg/ha	20 kg/ha

The focus paddock at Cleve is a reliable paddock with a soil type that has a relatively large bucket size. This is particularly evident in the section of the paddock where yield predictions are formulated.



**Figure 1:** Yield Prophet graph from Cleve, generated on 14 June 2024. *Green line indicates the predicted nitrogen limited yield and blue line indicates the water limited yield. The dotted blue line represents water limited yield potential with frost and heat effects. The dotted green line represents nitrogen limited yield potential with frost and heat events. This is based on the assumption that yield is only limited by these factors and no others (ie pests, weeds, diseases).*

### What does the Cleve graph tell us?

1. Yield potential ranges from 1.2-5 t/ha.
2. The nitrogen gap is large due to low starting N. It becomes larger as water limited yield potential increases.
3. This paddock is currently highly N responsive.
4. Heat and frost, while they have an effect in this environment (0.5-1 t/ha), are not as important as N.

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