

Cootra focus site, prepared 20 June 2024

Table 4. Cootra focus paddock information.

Crop	Sowing	Maturity	Soil type	Stored moisture (0-60cm)	Stubble	Initial N (0-60cm)	N applied
Wheat	1 June	25Nov	Sandy clay loam	65 mm	Lentil	50 kg/ha	46 kg/ha

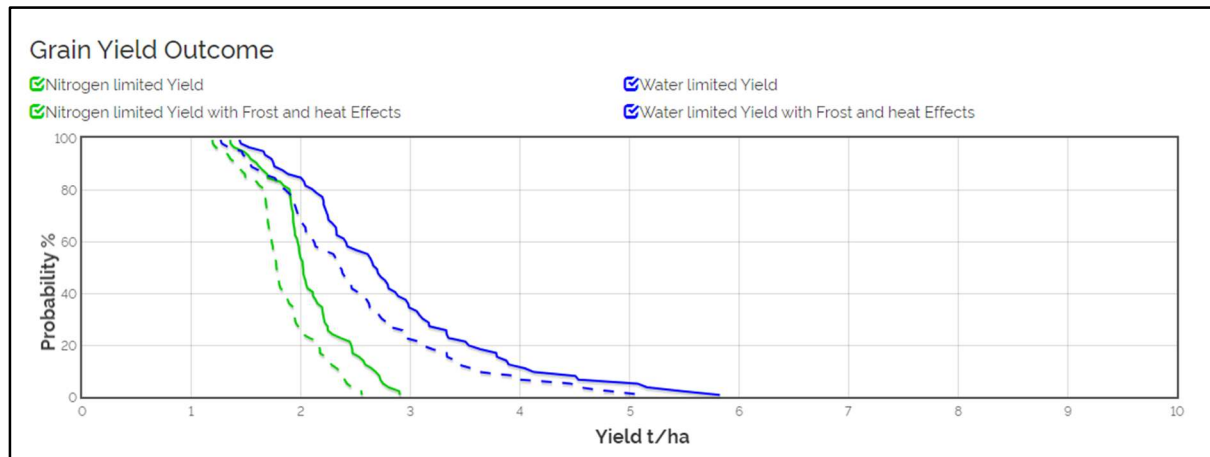


Figure 3: Yield Prophet graph from Cootra, generated on 20 June 2024. **Green line** indicates the predicted nitrogen limited yield and **blue line** indicates the water limited yield. The **dotted blue line** represents water limited yield potential with frost and heat effects. The **dotted green line** 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 above tell us?

1. Yield potential ranges from 1.2-5 t/ha
2. The nitrogen gap has decreased since April predictions. The cause of this is lower yield potential due to a relatively late break.
3. Heat and frost, while they have an effect in this environment, are not as important as N.
4. Despite a late break, the addition of N in this paddock will still be required to reach yield potential in the vast majority of seasons.

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