

Lock focus site, prepared 14 June 2024

Table 5. Lock focus paddock information.

Crop	Sowing	Maturity	Soil type	Stored moisture (0-60cm)	Stubble	Initial N (0-60cm)	N applied
Wheat	1 June	26Nov	Sandy clay loam, calcareous at depth	39 mm	Canola	113 kg/ha	57 kg/ha

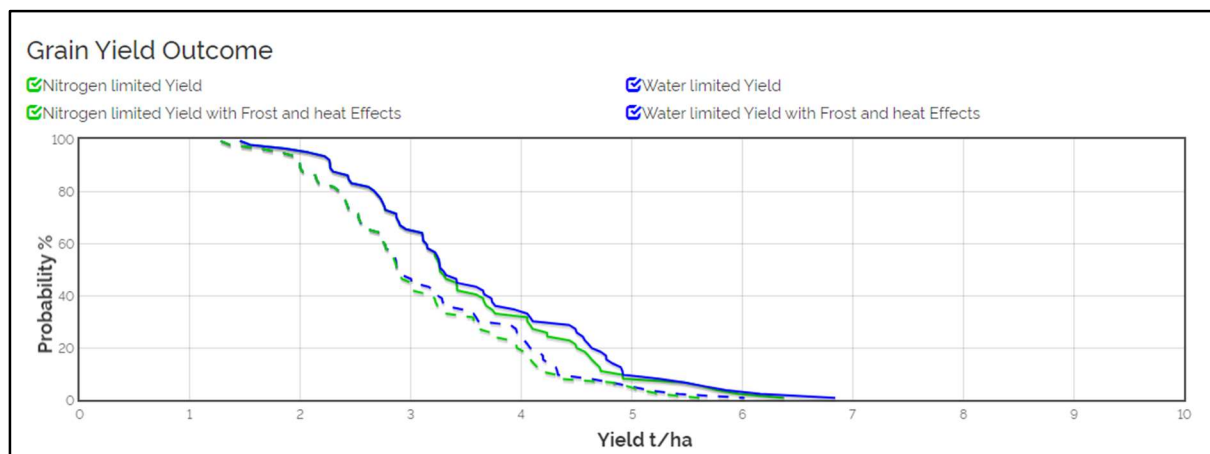


Figure 4: Yield Prophet graph from Lock, generated on 14 June 2024. *Green line indicates the predicted nitrogen limited yield and blue line indicates the water limited yield. The dotted blue line represents water limited yield potential with frost and heat effects. The dotted green line represents nitrogen 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 above tell us?

1. Yield potential ranges from 1.5-5.5 t/ha.
2. The gap between water limited and nitrogen limited yield is almost nil. This is due to high starting N and a reasonable amount of added N in season.
3. Heat and frost, have some effect in this instance.

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