

Port Kenny focus site, prepared 14 June 2024

Table 7. Port Kenny focus paddock information.

Crop	Sowing	Maturity	Soil type	Stored moisture (0-60cm)	Stubble	Initial N (0-60cm)	N applied
Wheat	1 June	24 Nov	Grey calcareous sandy loam	8 mm	Medic	58 kg/ha	20 kg/ha

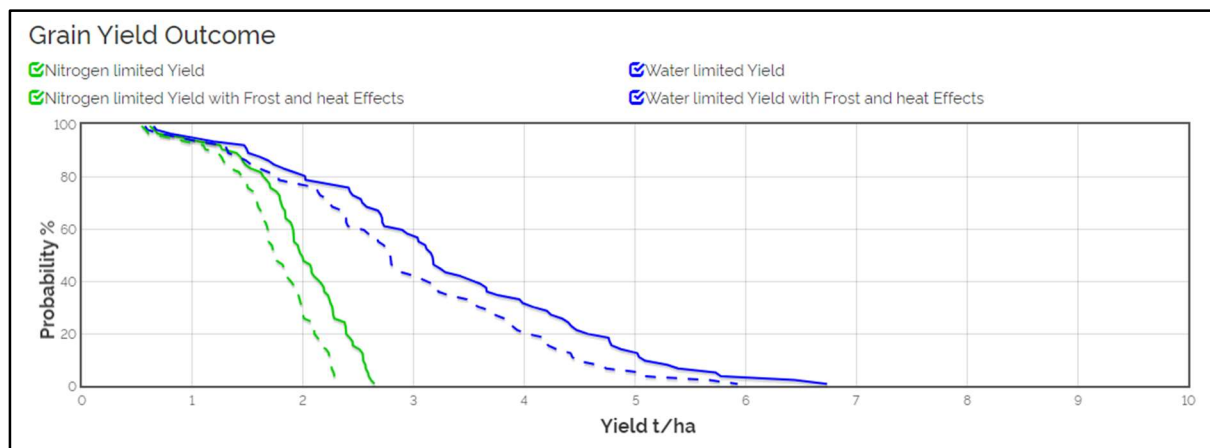


Figure 6: Yield Prophet graph from Pt Kenny, generated on 14 June 2024. *Green line indicates the predicted nitrogen limited yield and blue line indicates the water limited yield. The dotted blue line represents water limited yield potential with frost and heat effects. The dotted green line represents 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. Water limited yield potential with heat and frost ranges from 1 to 5.5 t/ha.
2. The nitrogen gap is large due to moderate starting N. It becomes larger as water limited yield potential increases.
3. Heat and frost, while they have an effect in this environment (0.5 t/ha), are not as important as N.

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