

UNFS YIELD PROPHET® SIMULATIONS 2026



LOCATION: WANDEARAH



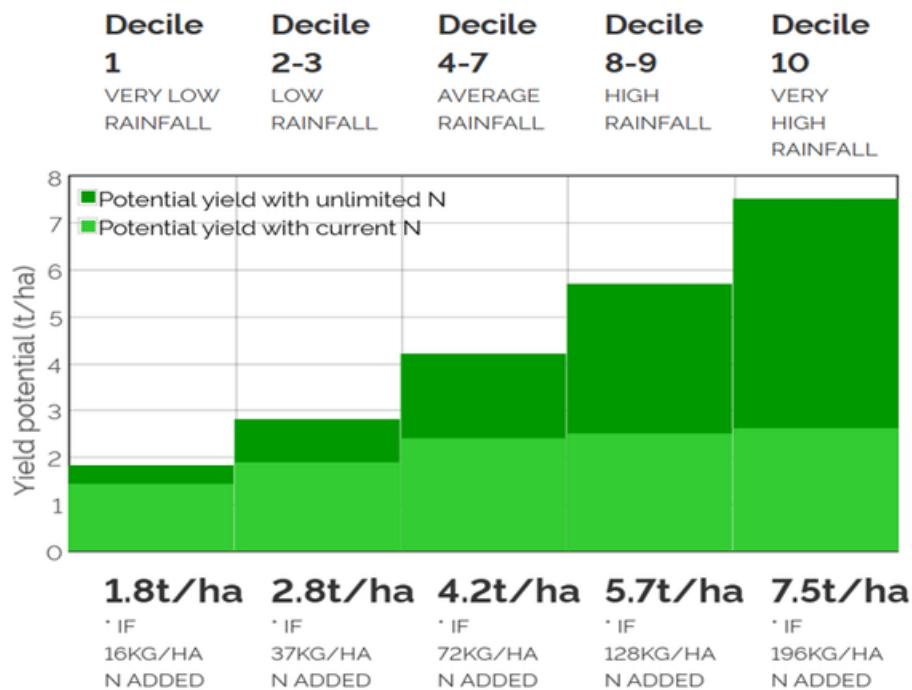
The barley is now at GS32, (otherwise known as 2nd node). This analysis focuses on the higher production zone within the paddock. Yield potential estimations would need to be adjusted appropriately for the more saline areas. Assuming a Decile 4–7 (average) finish to the season, Yield Prophet is currently predicting a yield of 3.8 t/ha, down slightly from 4.2 t/ha in the previous model.

This reduction reflects the season returning to more average conditions, with 133 mm of growing season rainfall (GSR) received to date. While yield potential has eased slightly, the crop remains well positioned following an excellent start to the season.

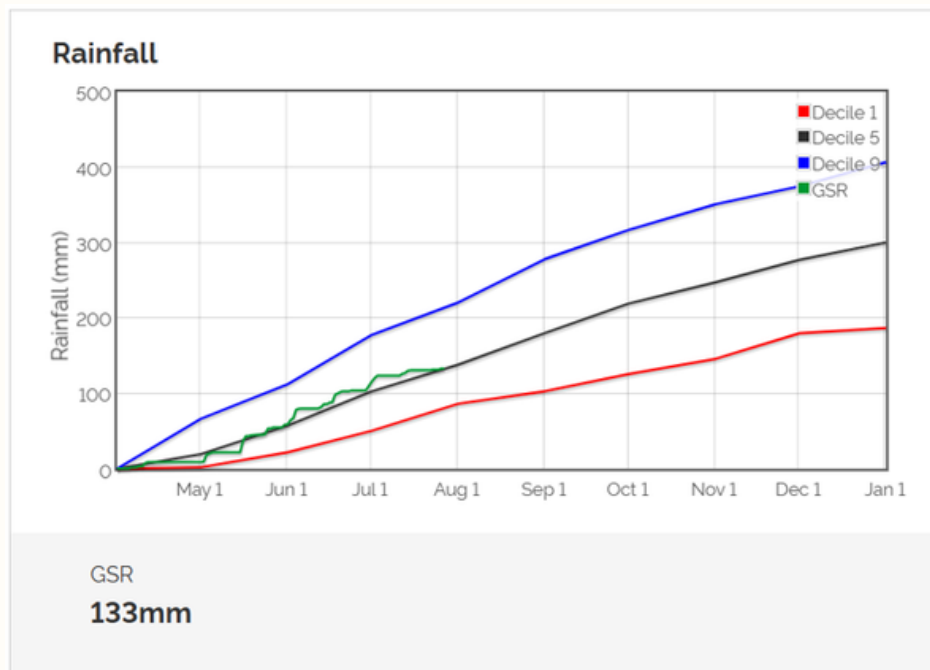
Nitrogen continues to be the major factor limiting yield. If no additional nitrogen is applied, the model predicts yield would be limited to around 2.2 t/ha, highlighting the large response still expected from additional nitrogen applications.

The model also indicates the crop is beginning to experience mild water stress. This is consistent with paddock observations, where early signs of boron toxicity are starting to appear in younger, less advanced plants. Despite this, if the remainder of the season is near average and nitrogen is not limiting, the paddock still has the potential to produce an above-average yield.

The below graph shows predicted yield under a range of seasonal finish scenarios. One of the biggest fears when forward selling grain is, "What if the season shuts off and I don't have the tonnes to deliver?" Yield Prophet helps put that into perspective by modelling a range of seasonal finishes. In this case, even if the remainder of the season was the driest on record, the model still predicts a yield of around 2 t/ha. While the model does not account for frost or hail, it provides growers with greater confidence when making grain marketing and in-season nitrogen decisions.



Key takeaway: Yield potential has eased slightly as the season has returned to more average conditions. However, the crop still has strong upside if nitrogen is not limiting and, importantly, the downside risk remains relatively low.



For the full Yield Prophet® report for this site click the link:
www.unfs.com.au/other-resources/

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If you are interested in using Yield Prophet® on your own paddocks, **Yield Prophet® Lite** is a free online tool that estimates potential crop yield under different rainfall scenarios and nitrogen application rates. More information is available at:

<https://www.yieldprophet.com.au/yplite>

This Yield Prophet publication was delivered by UNFS and was funded by GRDC's RiskWi\$e project

