

UNFS YIELD PROPHET® SIMULATIONS 2026



LOCATION: LAURA



The Laura RiskWi\$e Focus Paddock has only received 16 mm for July, bringing the growing-season rainfall (April–current) to 99 mm, which sits at decile 1–2 using the Gladstone weather station (with some discrepancy noted). The crop remains healthy and there is still good soil moisture, although this has declined.

The saving grace continues to be the February and March rainfall, totalling 85 mm. As temperatures increase heading into spring, driving faster growth rates, the soil-moisture reserves will deplete more quickly, meaning the crop will rely more heavily on August and spring rainfall.

Yield Prophet now indicates that with a decile 4–7 finish (average), the predicted wheat yield is 3.5 t/ha, which is 0.4 t/ha lower than the projection made on 1st July. The model also estimates that 89 mm of plant-available water remains in the profile, providing a useful buffer despite the dry July, although this will diminish more quickly as temperatures rise and biomass increases. August rainfall will be important in determining whether the crop maintains its current yield trajectory.

Even though this site is not nitrogen responsive due to the high soil nitrogen, it highlights the importance of soil testing, because under a standard grower program this paddock would have received a urea application it did not require, reducing a significant expense.

The high starting nitrogen is consistent with strong mineralisation following summer and autumn rainfall, combined with carry-over nitrogen from the poor 2024 season, on top of the nitrogen fixation from last year's lentil crop.

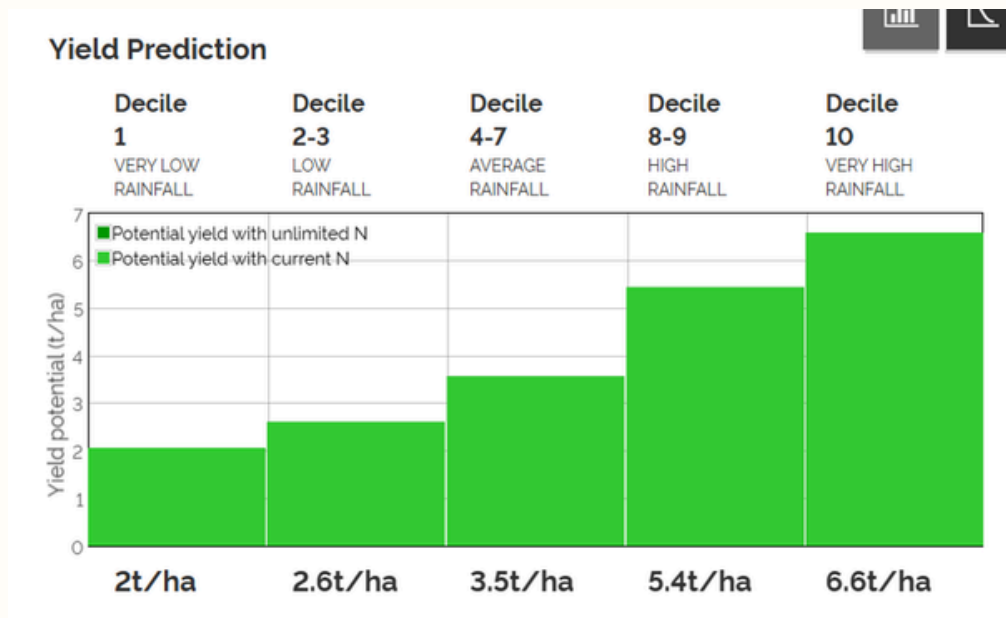


Figure 1: Yield Prophet modelled wheat yield potential for the Laura RiskWi\$e Focus Paddock under varying rainfall deciles, based on the current soil nitrogen level, which is effectively unlimited.

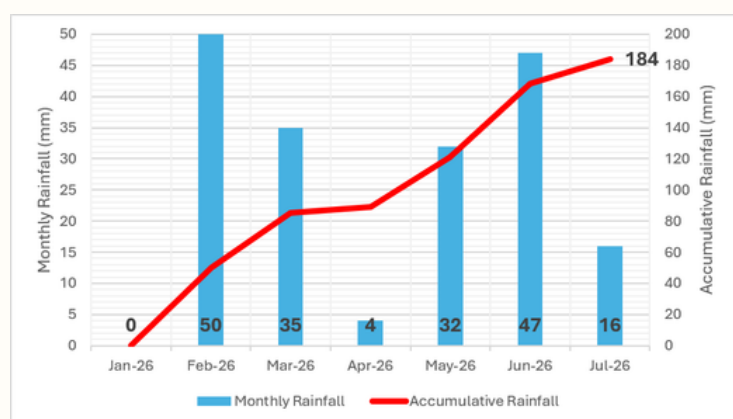


Figure 2: Monthly and accumulative rainfall recorded at the Laura RiskWi\$e Focus Paddock for January–July 2026.

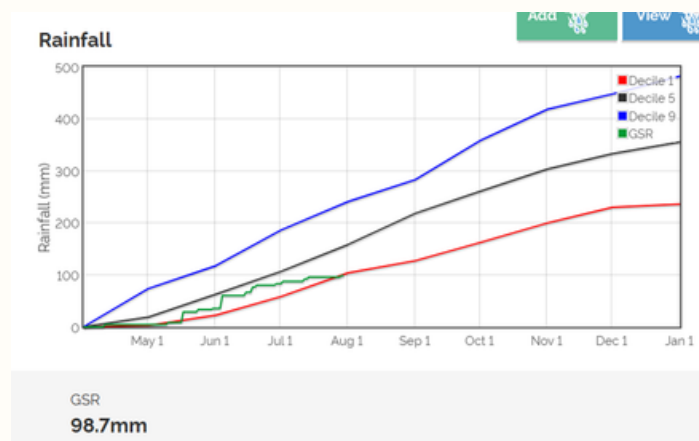


Figure 3: Current growing-season rainfall (GSR) for the Laura RiskWi\$e Focus Paddock mapped against long-term deciles (Gladstone weather station).

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

RiskWi\$e

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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>

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