

The 2025 season at Hart

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With Decile 2 (176 mm) growing season rainfall (GSR) in 2024 and below average summer rainfall that followed in the Mid North region, stored soil moisture was low coming into the 2025 growing season (Figure 1 and 2). The dry conditions and late start increased reliance on late season rainfall to increase yield potential for all crops across the Hart field site.

Seeding commenced at Hart on April 24, with dry sowing of pre-emergent herbicide time of sowing, profitable yield frontiers and dry seeding mitigation trials. Rainfall was minimal and sporadic with a total of 25.8 mm across March and April. The majority of trials were sown dry or delayed, with sowing continuing throughout mid-late May and June. Emergence was first observed on site in mid-June, with the last trial sown on July 7.

Above average rainfall for July (73.4 mm), including the largest rainfall event for the year (July 10 – 23.4 mm), favoured early crop development. No rainfall event during the growing season infiltrated to deeper than 40 cm (Figure 3). Below average rainfall was observed for the remainder of the year.

The dry finish to the season saw harvest commence on November 5 at Hart and conclude on December 5.

Hart received a total of 262.6 mm of annual rainfall (397 mm average) for 2025 and 223 mm of growing season rainfall (GSR) (288 mm average), equivalent to a Decile 3 (30th percentile) growing season when compared to the past 100 years.

Growing conditions across the Mid North in 2025 were variable, with some areas receiving timely rain, which increased yield potential. At Hart however, dry conditions resulted in below average yields and quality.

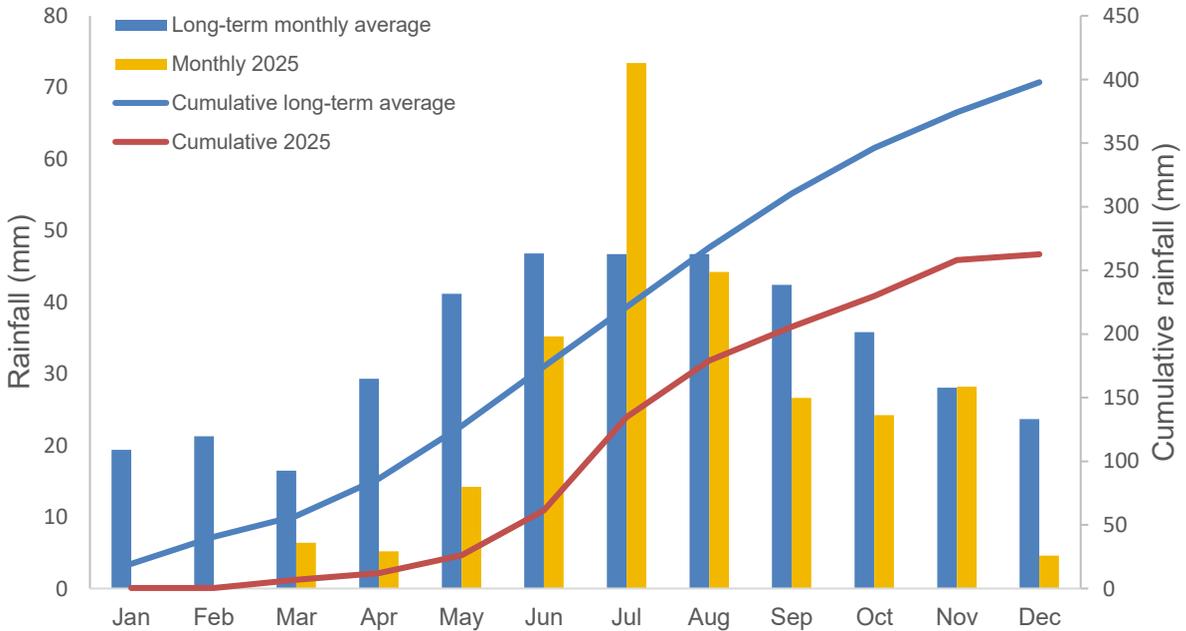


Figure 1. Hart rainfall graph for the 2025 season and long-term average. Lines are displayed to present cumulative rainfall for 2025 (red) and long-term average (blue). Sourced from [Mid North Mesonet](#).



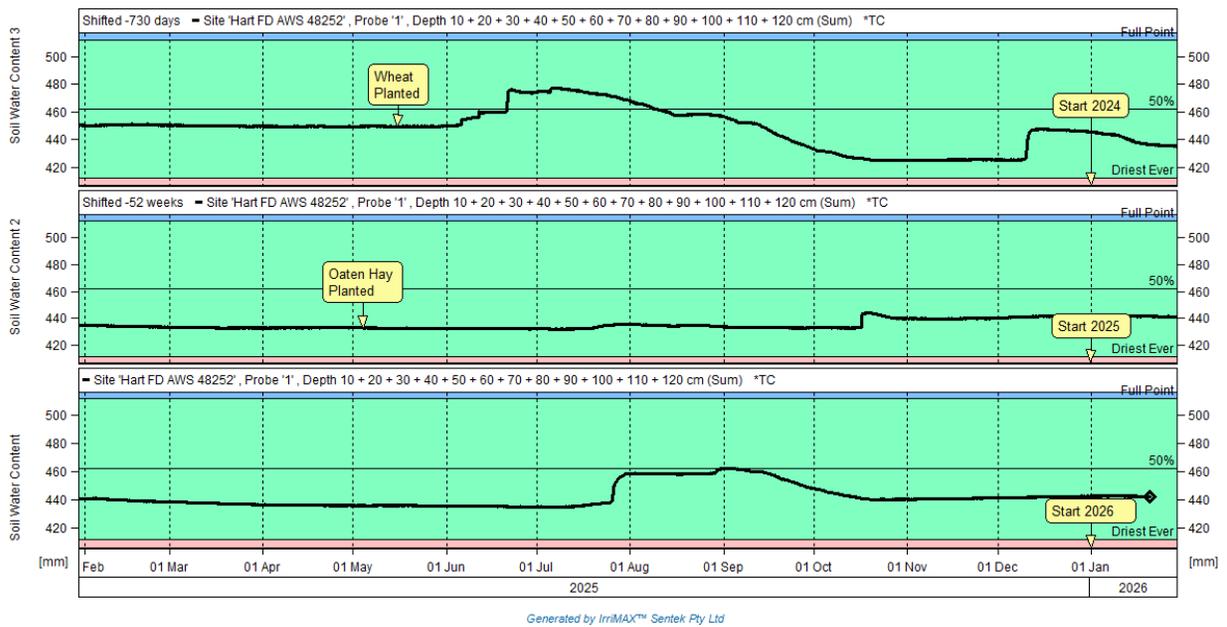


Figure 2. Soil moisture probe summed comparison (120 cm) for 2023 (top), 2024 (middle) and 2025 (bottom) at the Hart field site. Hart soil moisture data is free to view thanks to Agbyte. <https://agbyte.com.au/clients/hart/>.

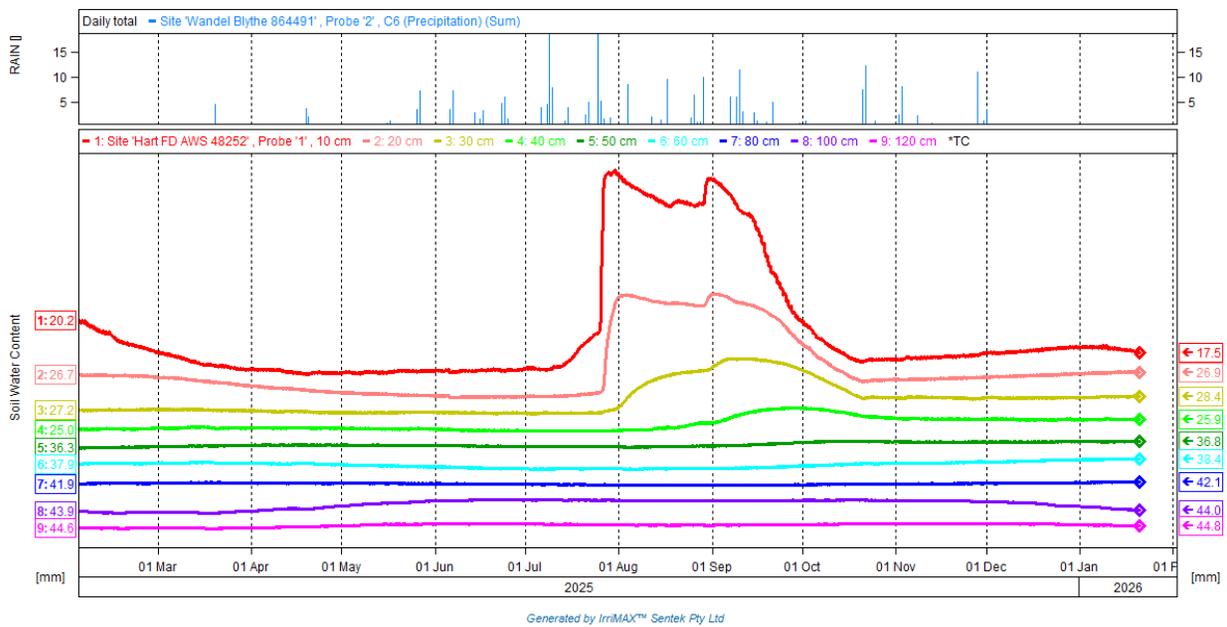


Figure 3. Soil moisture probe stacked sensor for the 2025 growing season at the Hart field site. Hart soil moisture data is free to view thanks to Agbyte: <https://agbyte.com.au/clients/hart/>