



# Crop Report

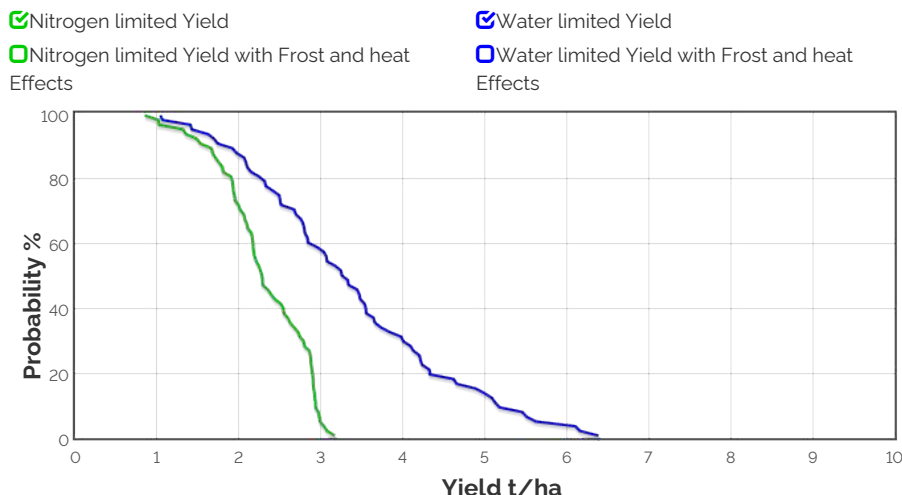
9-May-2025

Andrew H Ware: Lock

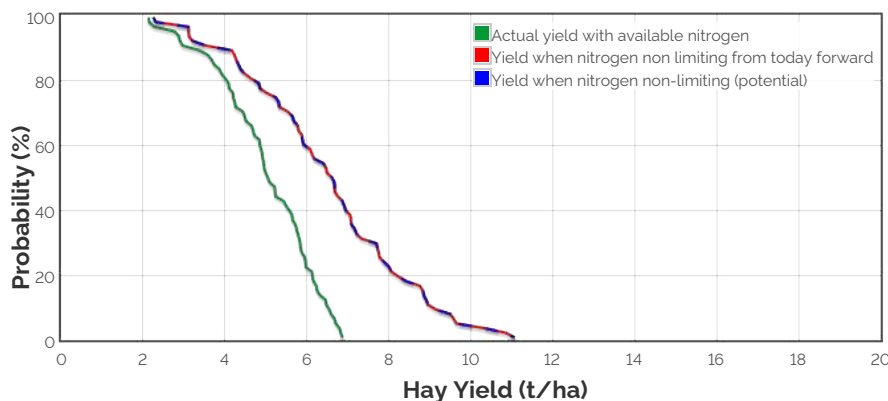
Crop: Wheat  
Cultivar: Calibre  
Sowing details: 150 plants/m<sup>2</sup> on 25-May  
Expected maturity date: 24-Nov

Paddock Details  
Initial conditions date: 1-Apr  
Soil: Grey Calcareous Loamy Sand (Lock No318)  
800 mm max rooting depth  
Stubble: 1000 kg/ha of Canola  
No till

## Grain Yield Outcome

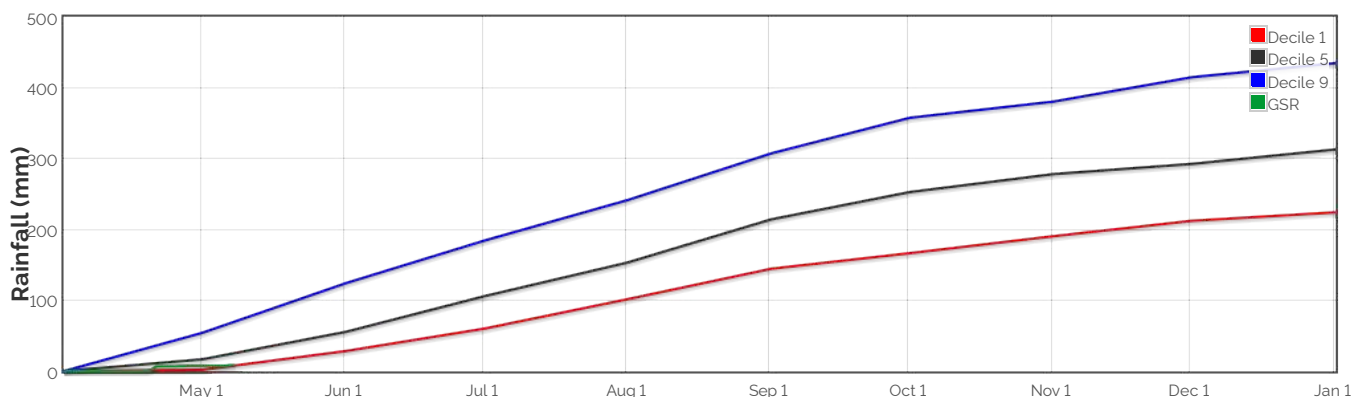


## Hay Yield Outcome

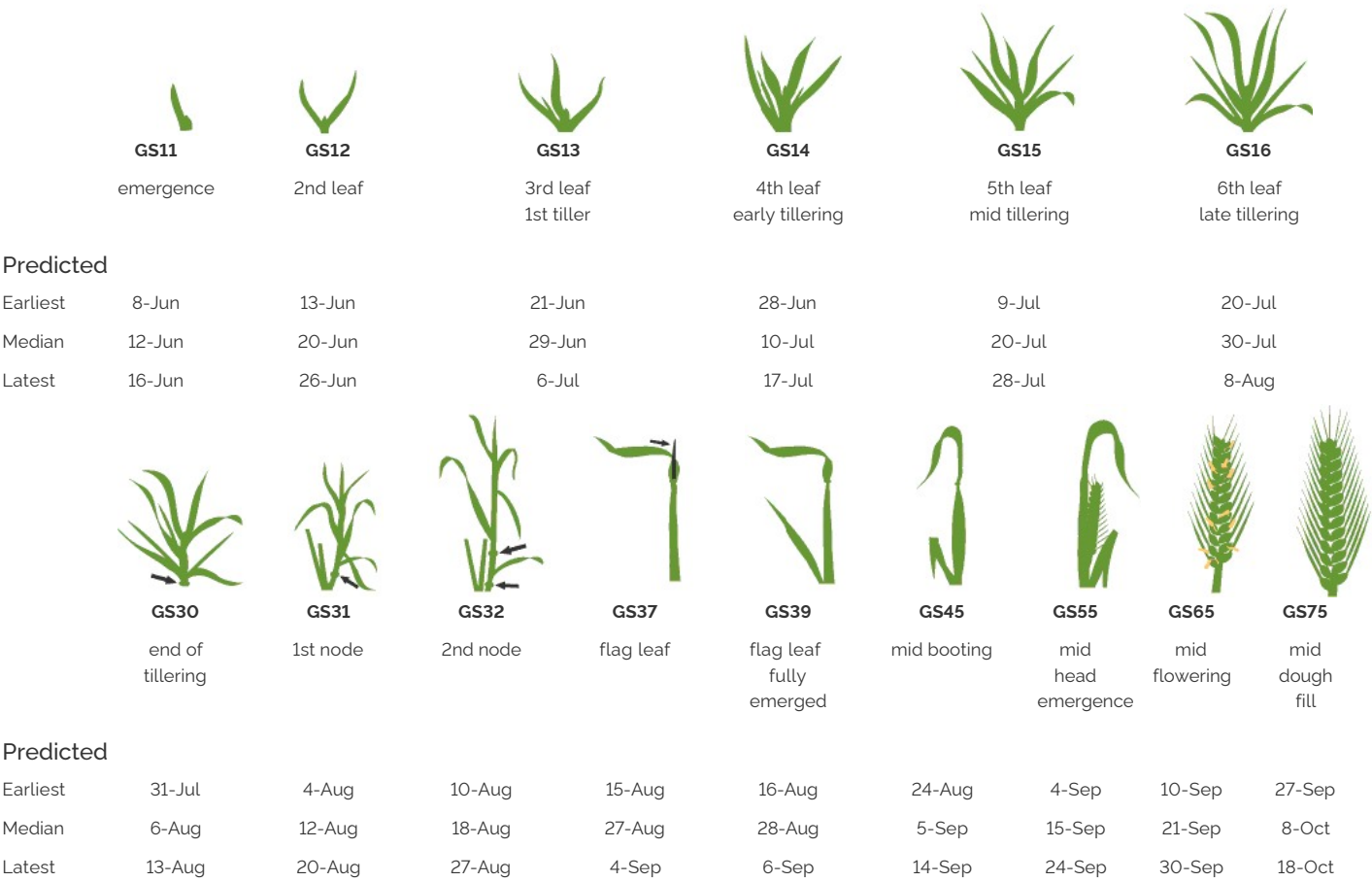


Current dry matter: 0kg/ha

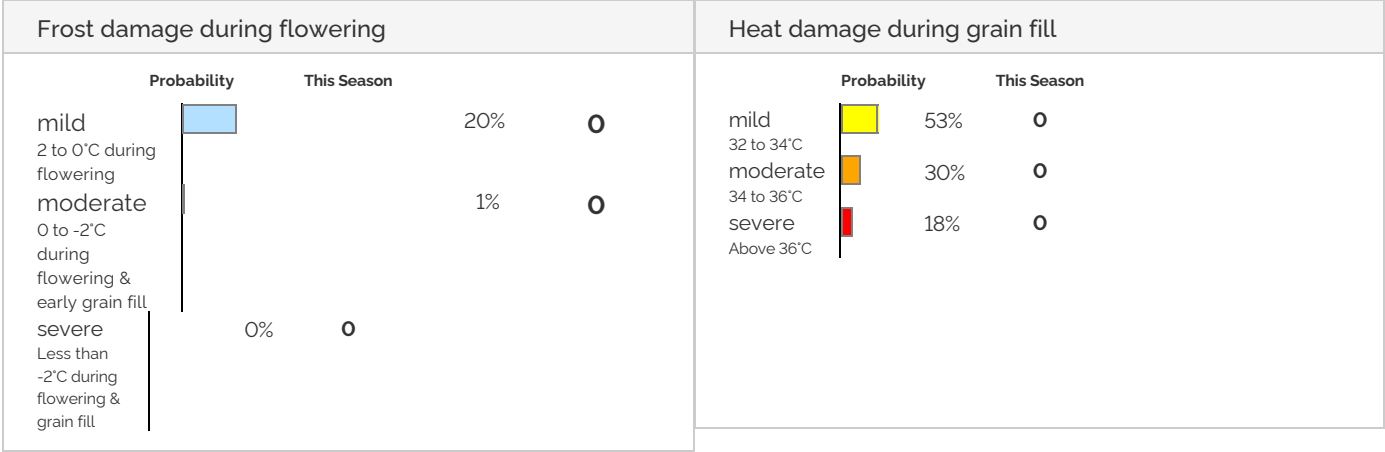
## The Season So Far - Growing Season Rainfall Deciles



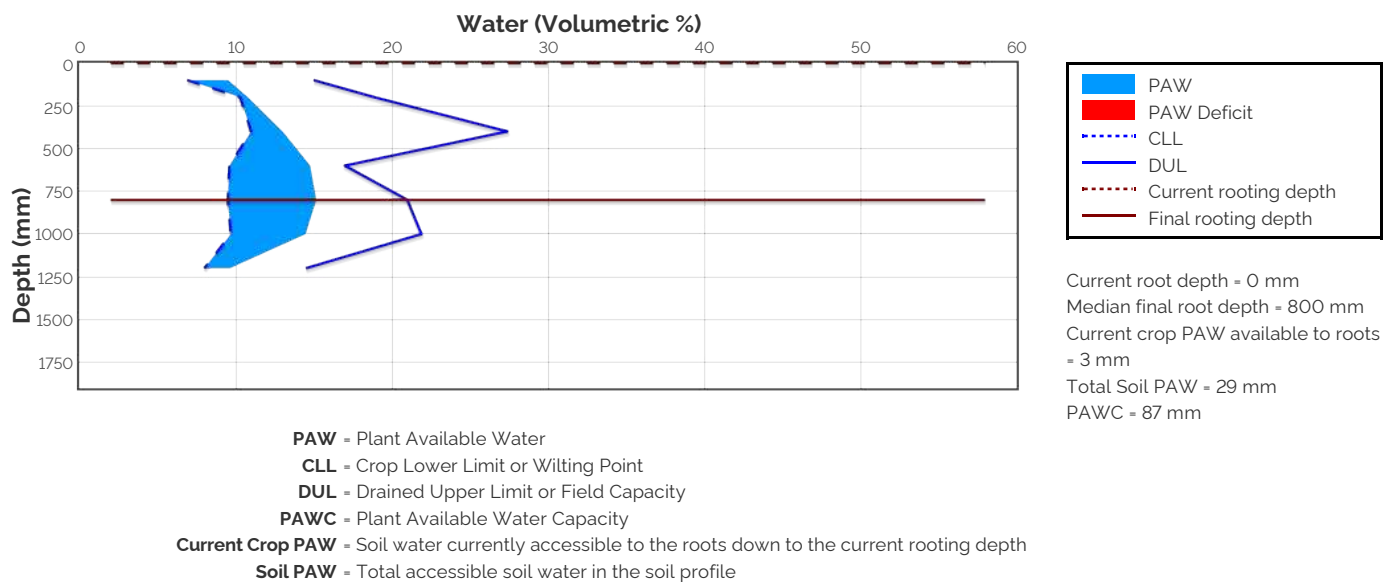
Simulated and Predicted Crop Growth Stage



Probability and Incidence of Frost and Heat Shock



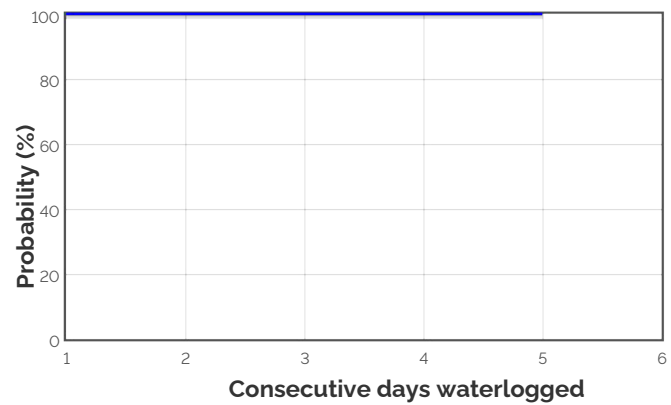
Current Distribution of PAW



Water Budget

|                            |              |
|----------------------------|--------------|
| Initial PAW status @ 1-Apr | 33 mm        |
| Rainfall since 1-Apr       | 8.6 mm       |
| Irrigations                |              |
| Evaporation since 1-Apr    | 9 mm         |
| Transpiration since 1-Apr  | 0 mm         |
| Deep drainage since 1-Apr  | 0 mm         |
| Run-off since 1-Apr        | 0 mm         |
| <b>Current PAW status:</b> | <b>29 mm</b> |

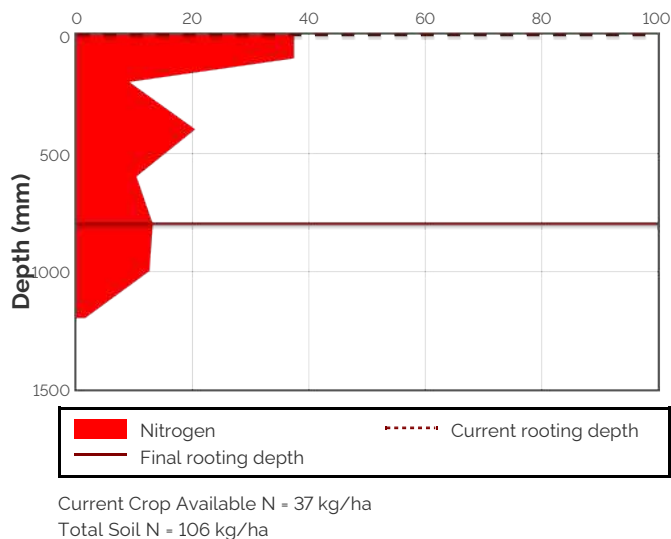
Probability of Future Waterlogging Events



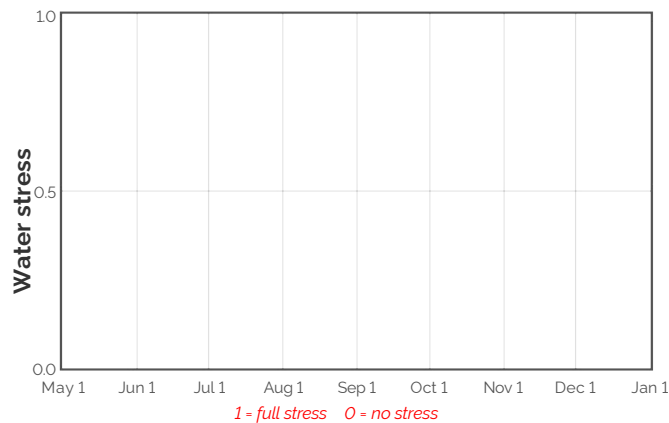
Nitrogen Budget

|  |                  |
|--|------------------|
| Initial N status @ 1-Apr                                     | 87 kg/ha         |
| N mineralisation since 1-Apr                                 | 16 kg/ha         |
| N tie up since 1-Apr   | 0 kg/ha          |
| N applications   |                  |
| 1-May : 20 kg/ha   |                  |
| Total N in plant   | 0 kg/ha          |
| De-nitrification since 1-Apr                                 | 0 kg/ha          |
| Leaching since 1-Apr   | 0 kg/ha          |
| <b>Current N status:</b>                                     | <b>106 kg/ha</b> |
| Median N mineralisation to maturity = 62.4698028841927 kg/ha |                  |
| Median N tie up to maturity = 0 kg/ha                        |                  |

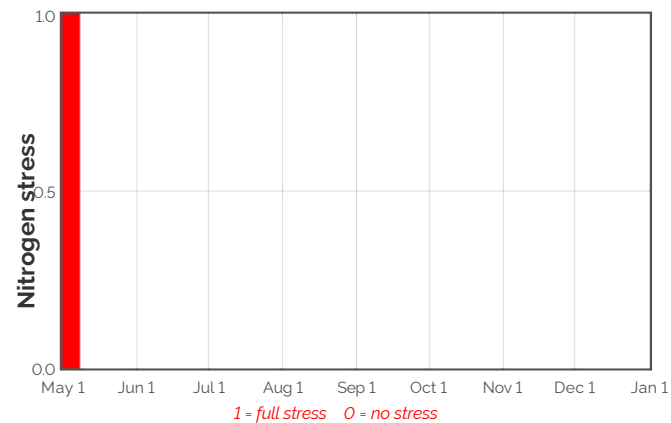
Current distribution of soil nitrogen (kg/ha)



## Water Stress



## Nitrogen Stress



Brief periods of mild to moderate stress do not necessarily lead to reduced yield. To see the likely impacts of additional nitrogen fertiliser rates use the Nitrogen and Nitrogen Profit reports.

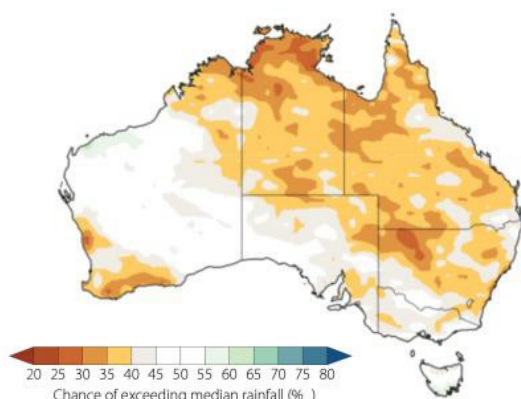
## Median projected crop performance and requirements for the next 10 days assuming no rain and no added fertiliser

| Date   | Growth Stage | Evap. (mm) | Water use (mm) | N use (kg/ha) | Water avail. to roots above stress threshold (mm) | Water avail. to roots above CLL (mm) | N avail. to roots (kg/ha) | Mineralisation (kg/ha) | N tie up (kg/ha) |
|--------|--------------|------------|----------------|---------------|---|--------------------------------------|---------------------------|------------------------|------------------|
| 10-May | 9.0          | 0.1        | 0.0            | 0.0           | 0.2   | 2.6                                  | 37.6                      | 0.4                    | 0.0              |
| 11-May | 9.0          | 0.1        | 0.0            | 0.0           | 0.2   | 2.6                                  | 37.7                      | 0.4                    | 0.0              |
| 12-May | 9.0          | 0.1        | 0.0            | 0.0           | 0.2   | 2.6                                  | 37.8                      | 0.4                    | 0.0              |
| 13-May | 9.0          | 0.1        | 0.0            | 0.0           | 0.2   | 2.6                                  | 37.9                      | 0.4                    | 0.0              |
| 14-May | 9.0          | 0.1        | 0.0            | 0.0           | 0.2   | 2.6                                  | 38.0                      | 0.4                    | 0.0              |
| 15-May | 9.0          | 0.1        | 0.0            | 0.0           | 0.2   | 2.6                                  | 38.2                      | 0.4                    | 0.0              |
| 16-May | 9.0          | 0.1        | 0.0            | 0.0           | 0.2   | 2.6                                  | 38.3                      | 0.4                    | 0.0              |
| 17-May | 9.0          | 0.1        | 0.0            | 0.0           | 0.2   | 2.6                                  | 38.4                      | 0.4                    | 0.0              |
| 18-May | 9.0          | 0.1        | 0.0            | 0.0           | 0.2   | 2.6                                  | 38.5                      | 0.4                    | 0.0              |
| 19-May | 9.0          | 0.1        | 0.0            | 0.0           | 0.2   | 2.6                                  | 38.6                      | 0.4                    | 0.0              |

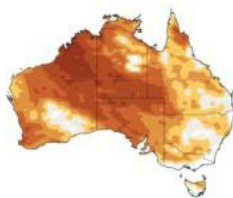
The water available to roots above the stress threshold is the amount of PAW (mm) above one third of the total water holding capacity of this soil. If the water values are below this stress threshold the water available to roots above the stress threshold will be negative.

# Bureau of Meteorology Seasonal and Monthly Outlooks

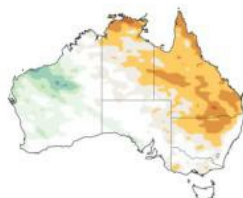
3 MONTH RAINFALL OUTLOOK FOR  
MAY TO JULY



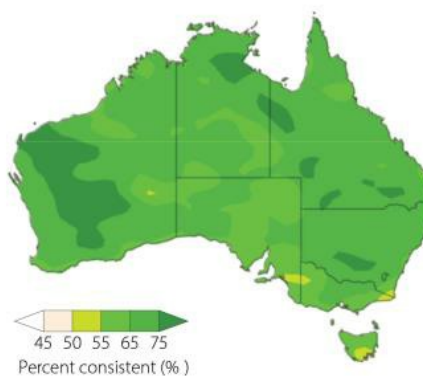
MAY  
RAINFALL OUTLOOK



JUNE  
RAINFALL OUTLOOK



PAST ACCURACY FOR  
MAY TO JULY



PAST ACCURACY FOR  
MAY



PAST ACCURACY FOR  
JUNE



  
Australian Government  
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