



Crop Report

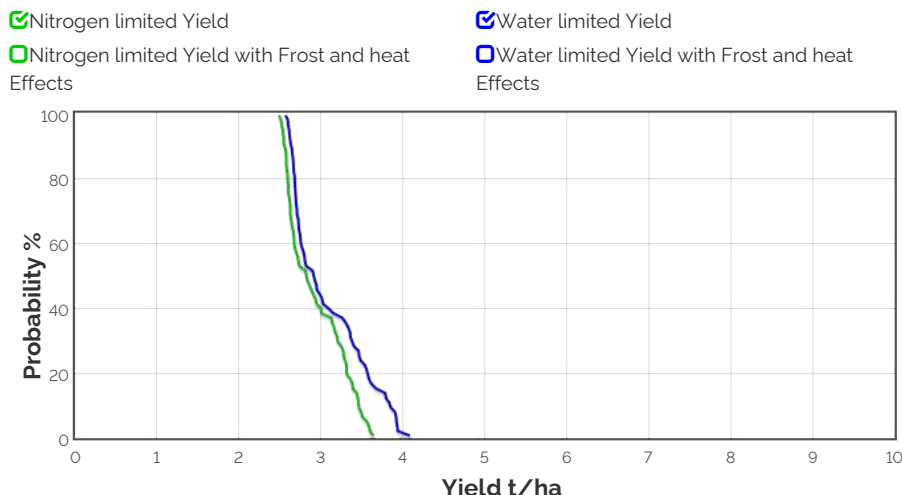
19-Sep-2025

Andrew H Ware: Edillilie

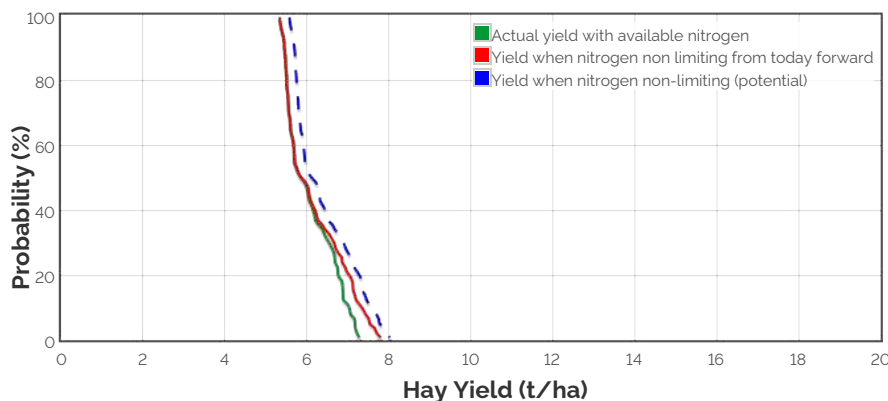
Crop: Wheat
Cultivar: Scepter
Sowing details: 200 plants/m² on 25-May
Expected maturity date: 30-Nov

Paddock Details
Initial conditions date: 1-Feb
Soil: Loamy Sand over Clay Loam (Greenpatch No588)
1000 mm max rooting depth
Stubble: 3000 kg/ha of Wheat
No till

Grain Yield Outcome

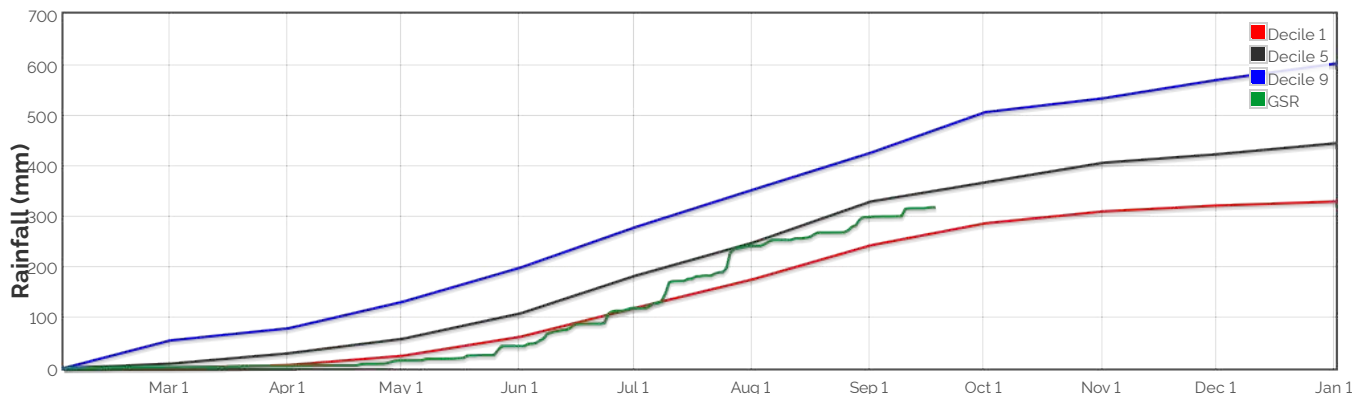


Hay Yield Outcome

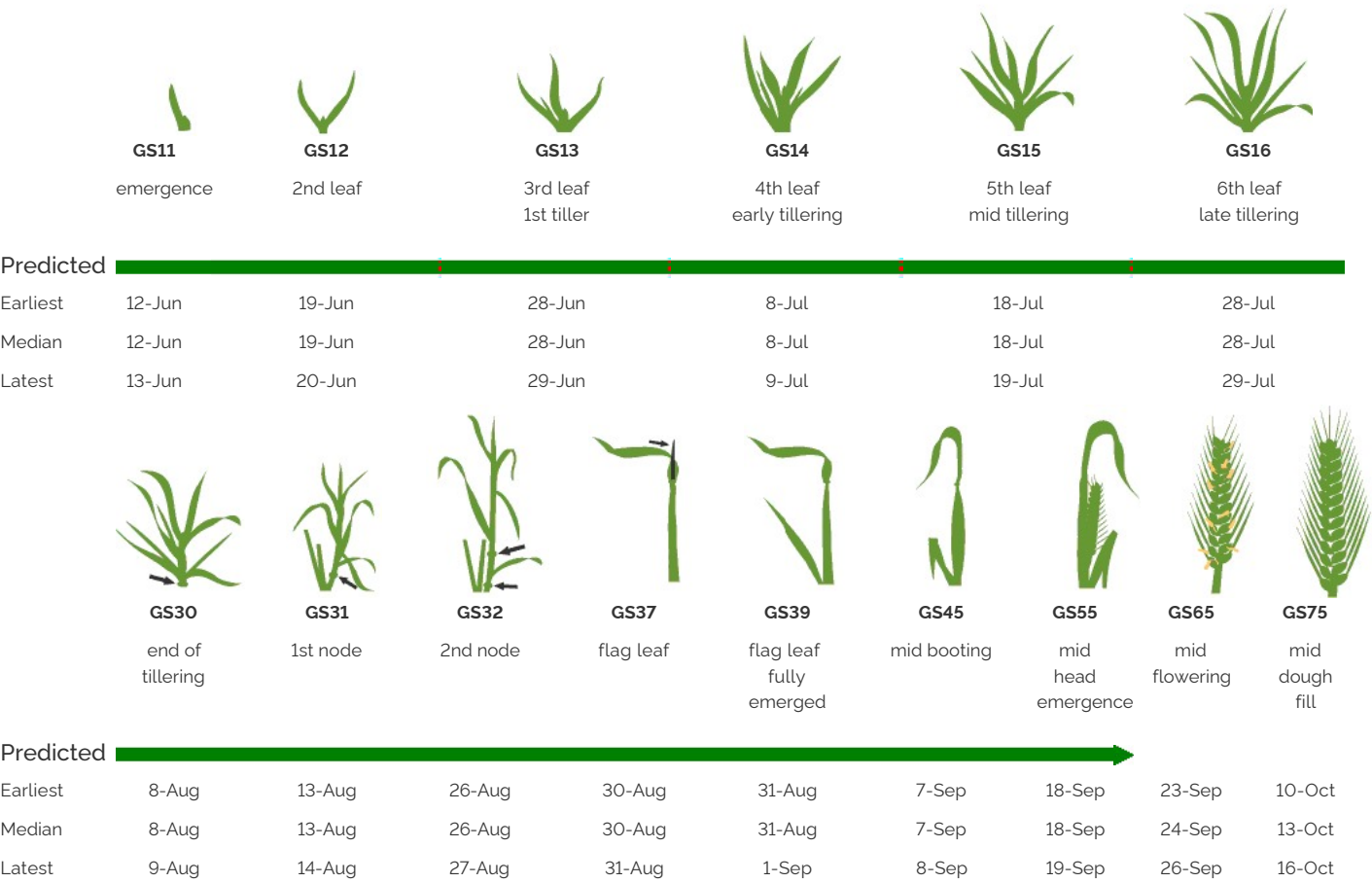


Current dry matter: 5947.536059942736kg/ha

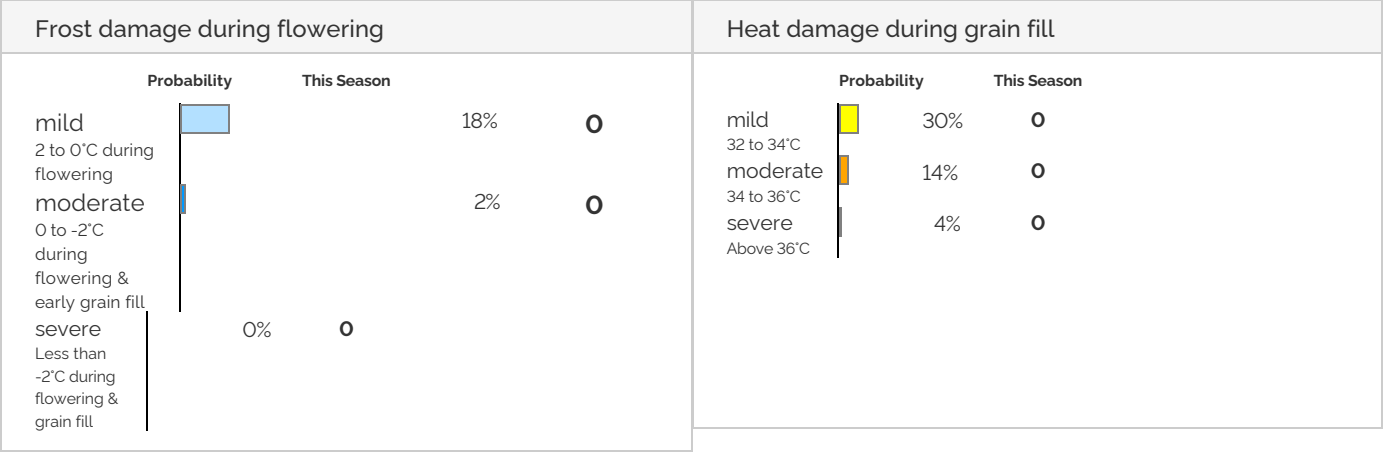
The Season So Far - Growing Season Rainfall Deciles



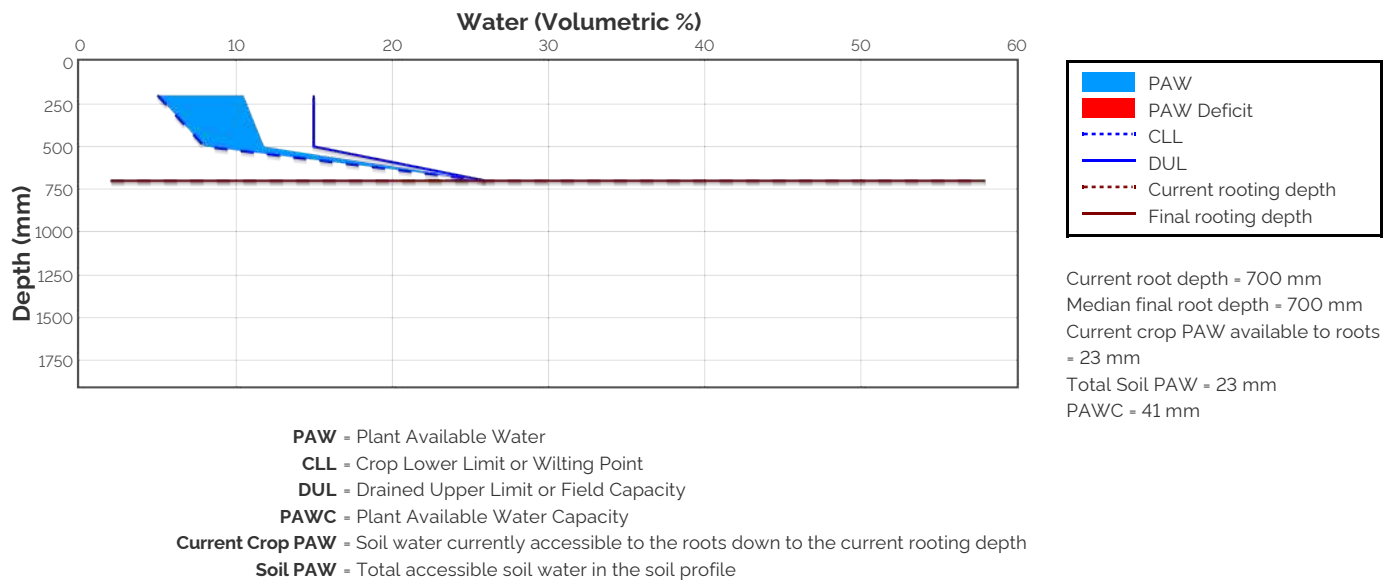
Simulated and Predicted Crop Growth Stage



Probability and Incidence of Frost and Heat Shock



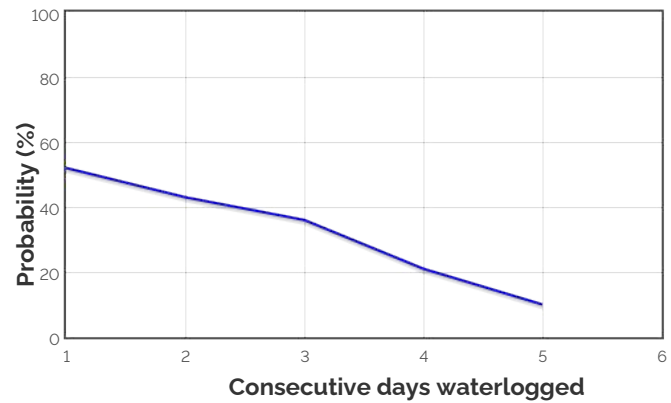
Current Distribution of PAW



Water Budget

Initial PAW status @ 1-Feb	30 mm
Rainfall since 1-Feb	317.9 mm
Irrigations	
Evaporation since 1-Feb	132 mm
Transpiration since 1-Feb	116 mm
Deep drainage since 1-Feb	102 mm
Run-off since 1-Feb	4 mm
Current PAW status:	23 mm

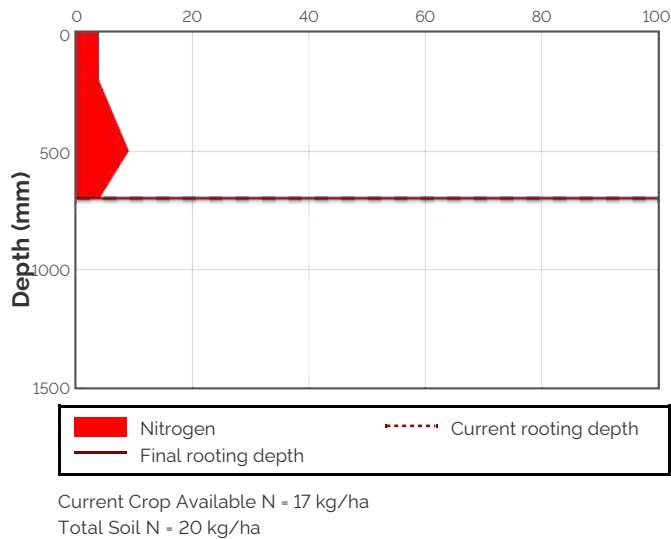
Probability of Future Waterlogging Events



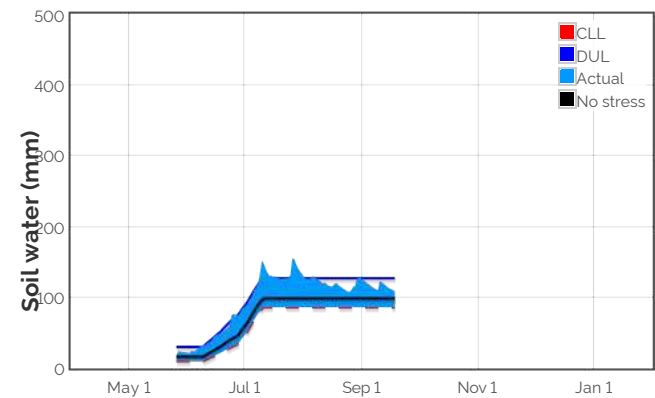
Nitrogen Budget

Initial N status @ 1-Feb	57 kg/ha
N mineralisation since 1-Feb	107 kg/ha
N tie up since 1-Feb	0 kg/ha
N applications	
10-May : 20 kg/ha	
Total N in plant	109 kg/ha
De-nitrification since 1-Feb	0 kg/ha
Leaching since 1-Feb	81 kg/ha
Current N status:	20 kg/ha
Median N mineralisation to maturity = 66.149373283298 kg/ha	
Median N tie up to maturity = 0 kg/ha	

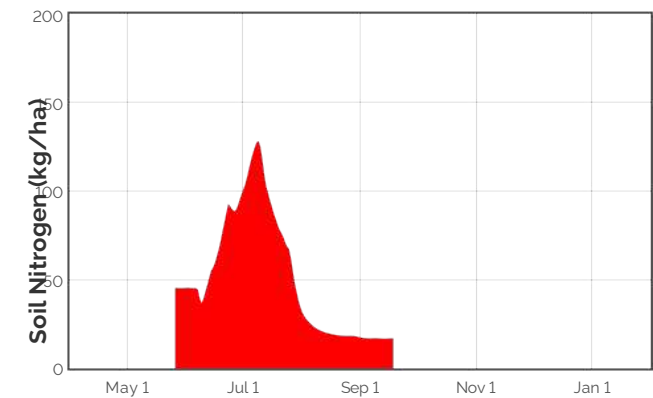
Current distribution of soil nitrogen (kg/ha)



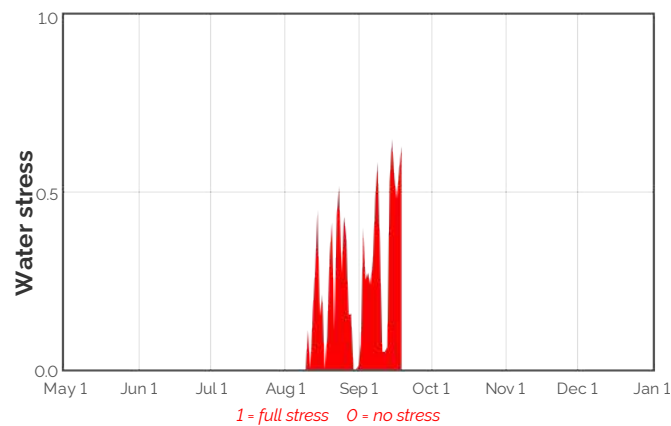
Availability of Water to Growing Roots



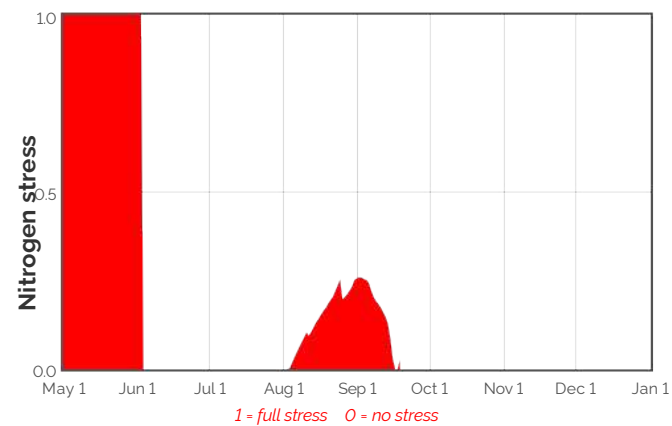
Availability of Soil Nitrogen to Growing Roots



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.

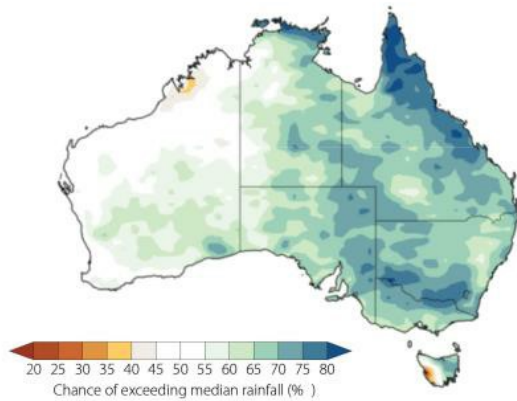
Median projected crop performance and requirements for the next 10 days assuming no rain and no added fertiliser

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)
20-Sep	58.9	0.7	2.9	-0.3	9.1	21.4	16.9	0.3	0.0
21-Sep	60.5	0.7	2.4	-0.3	7.4	19.7	16.9	0.3	0.0
22-Sep	62.0	0.7	2.6	-0.3	5.9	18.2	17.0	0.3	0.0
23-Sep	63.5	0.6	2.4	-0.3	4.5	16.8	17.1	0.3	0.0
24-Sep	65.1	0.6	2.1	-0.3	3.0	15.3	17.2	0.3	0.0
25-Sep	65.8	0.5	2.2	-0.3	1.8	14.1	17.3	0.3	0.0
26-Sep	66.3	0.4	2.0	-0.3	0.6	12.9	17.4	0.3	0.0
27-Sep	67.0	0.4	2.1	-0.3	-0.5	11.8	17.5	0.3	0.0
28-Sep	67.7	0.4	2.2	-0.2	-1.5	10.8	17.6	0.3	0.0
29-Sep	68.4	0.3	2.0	-0.2	-2.3	10.0	17.7	0.3	0.0

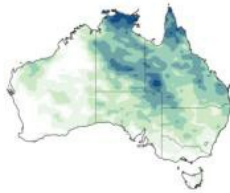
The water available to roots above the stress threshold is the amount of PAW (mm) above one third of the total water holding capacity of this soil. If the water values are below this stress threshold the water available to roots above the stress threshold will be negative.

Bureau of Meteorology Seasonal and Monthly Outlooks

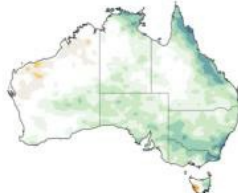
3 MONTH RAINFALL OUTLOOK FOR OCTOBER TO DECEMBER



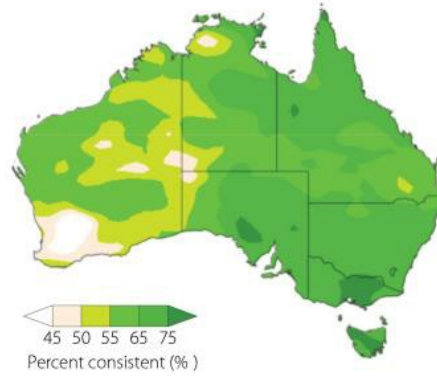
OCTOBER RAINFALL OUTLOOK



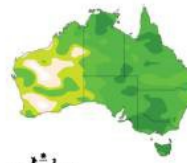
NOVEMBER RAINFALL OUTLOOK



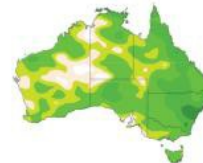
PAST ACCURACY FOR OCTOBER TO DECEMBER



PAST ACCURACY FOR OCTOBER



PAST ACCURACY FOR NOVEMBER




Australian Government
Bureau of Meteorology

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Issued: 15 September 2025