

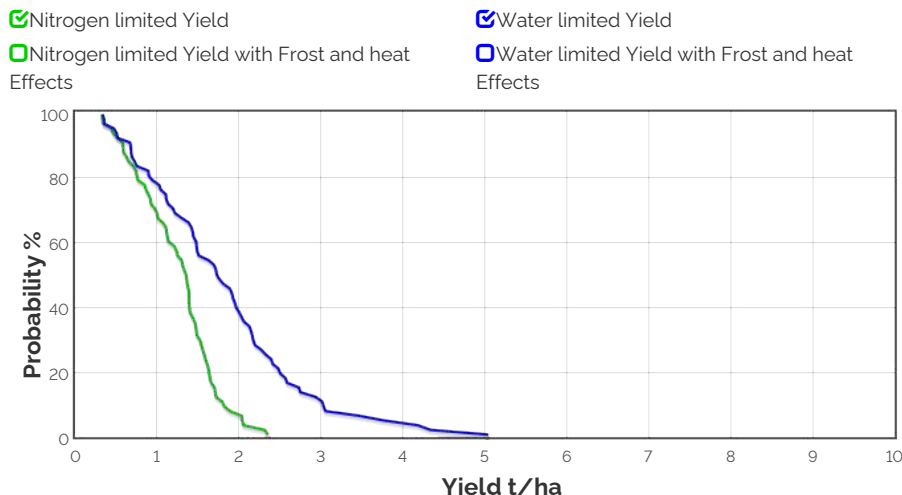
Crop Report

10-Jul-2025

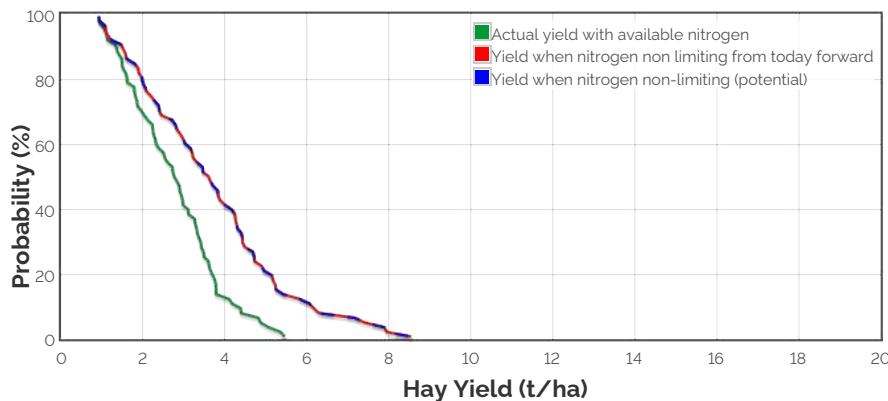
Andrew H Ware: Heddle
Minnipa

Crop: Wheat	Paddock Details
Cultivar: Calibre	Initial conditions date: 20-May
Sowing details: 150 plants/m ² on 9-Jun	Soil: Red sandy clay loam (Minnipa No909)
Expected maturity date: 29-Nov	1000 mm max rooting depth
	Stubble: 0 kg/ha of Wheat
	No till

Grain Yield Outcome

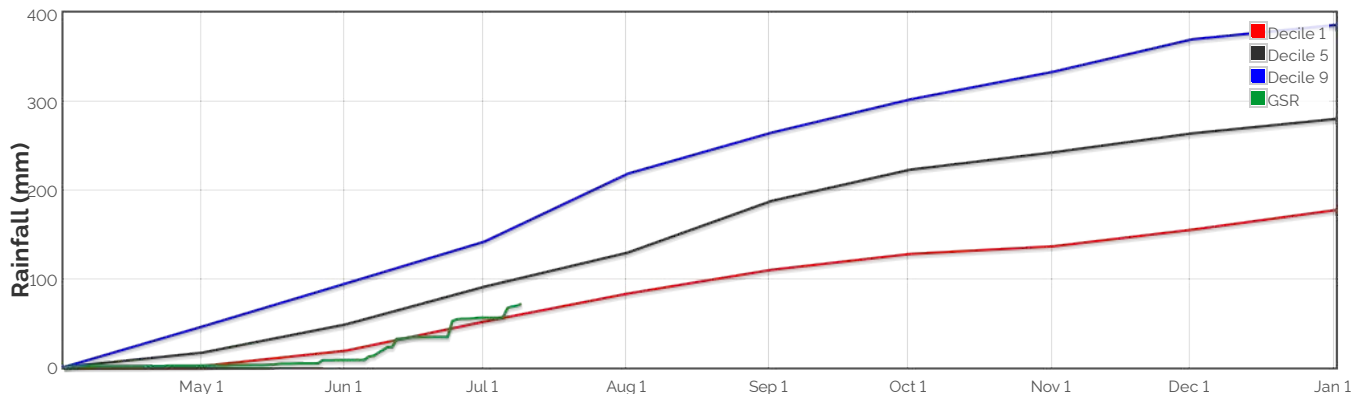


Hay Yield Outcome

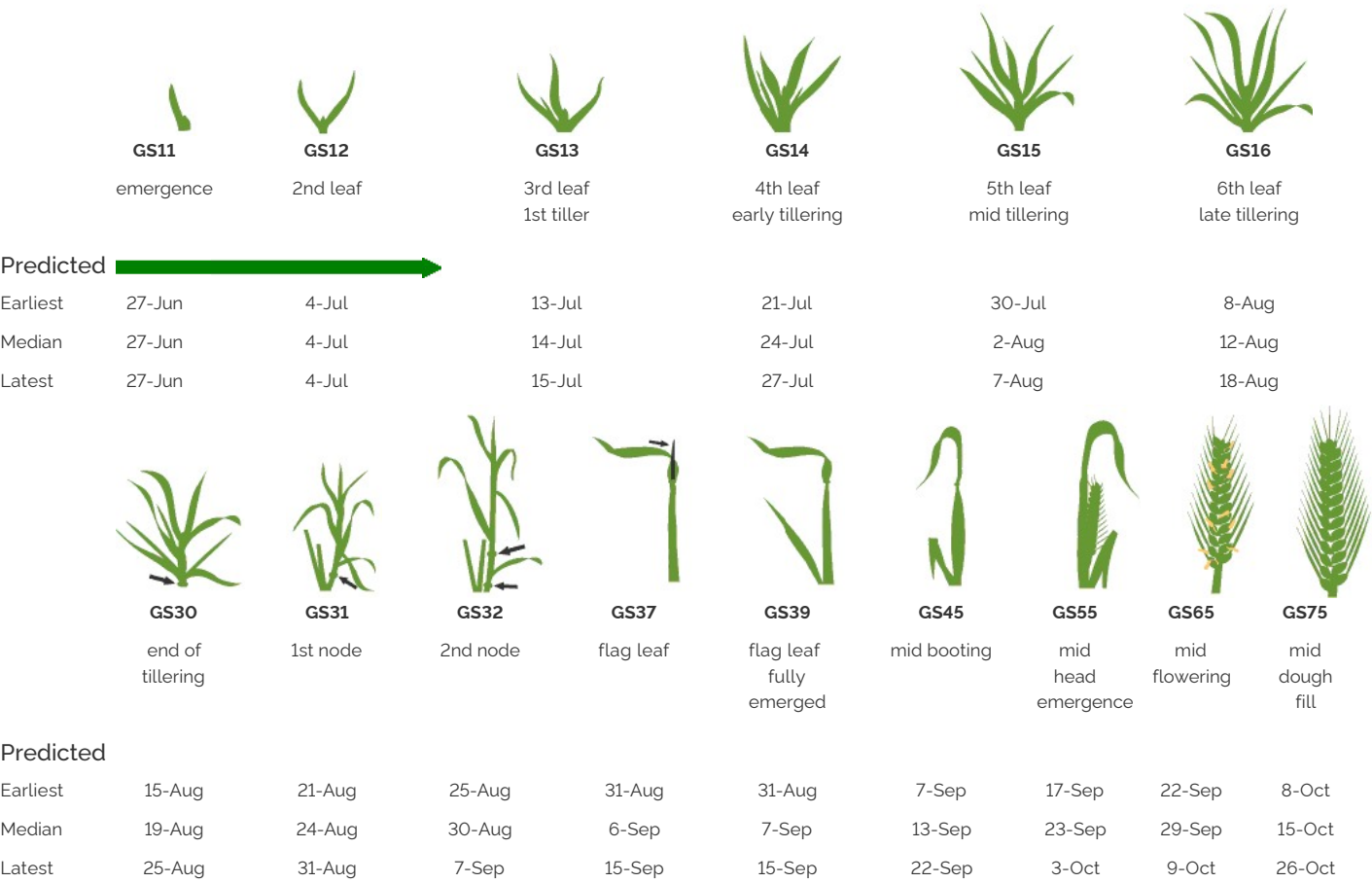


Current dry matter: 84.00140251477413kg/ha

The Season So Far - Growing Season Rainfall Deciles



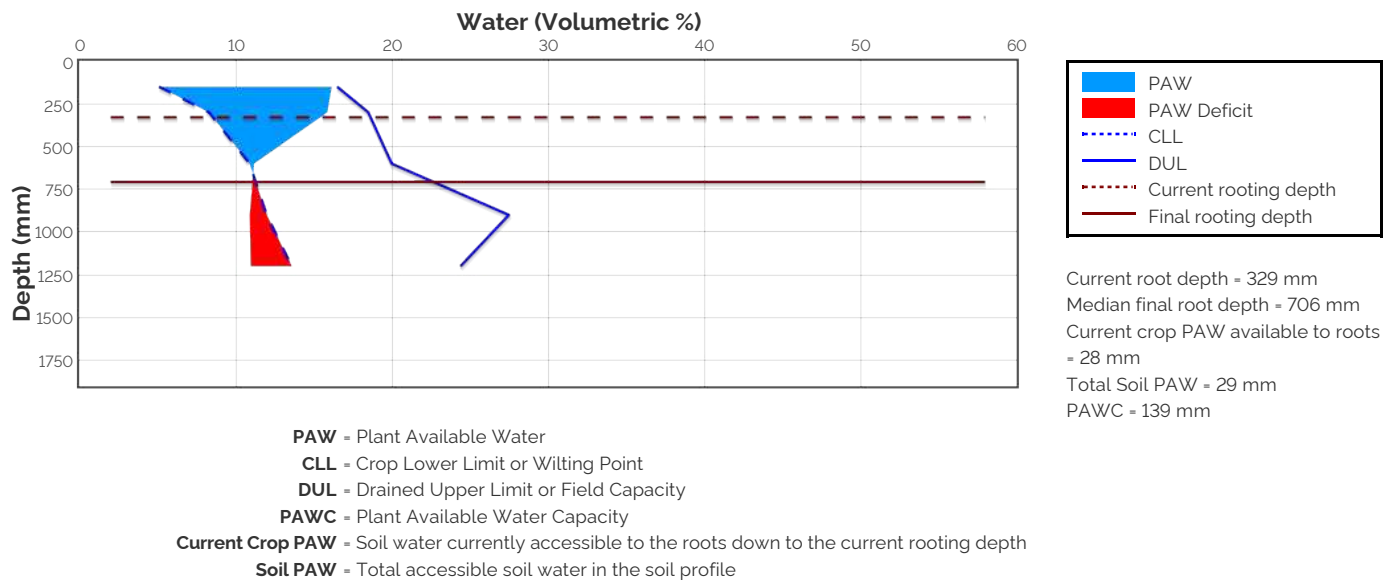
Simulated and Predicted Crop Growth Stage



Probability and Incidence of Frost and Heat Shock

Frost damage during flowering					Heat damage during grain fill				
Probability		This Season			Probability		This Season		
mild		0 to 0°C during flowering	4%	0	mild		68%	0	
moderate			0%	0	moderate		47%	0	
severe		Less than -2°C during flowering & grain fill	0%	0	severe		28%	0	

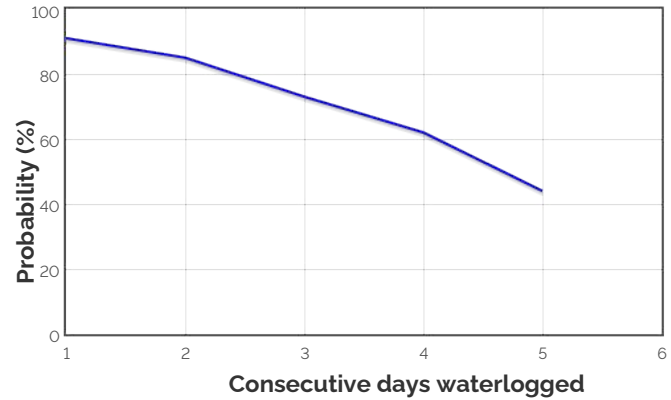
Current Distribution of PAW



Water Budget

Initial PAW status @ 20-May	2 mm
Rainfall since 20-May	67.7 mm
Irrigations	
Evaporation since 20-May	36 mm
Transpiration since 20-May	1 mm
Deep drainage since 20-May	0 mm
Run-off since 20-May	0 mm
Current PAW status:	29 mm

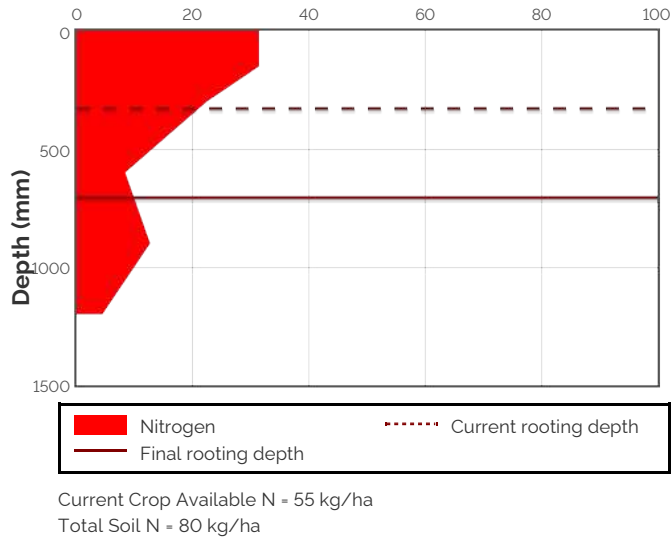
Probability of Future Waterlogging Events



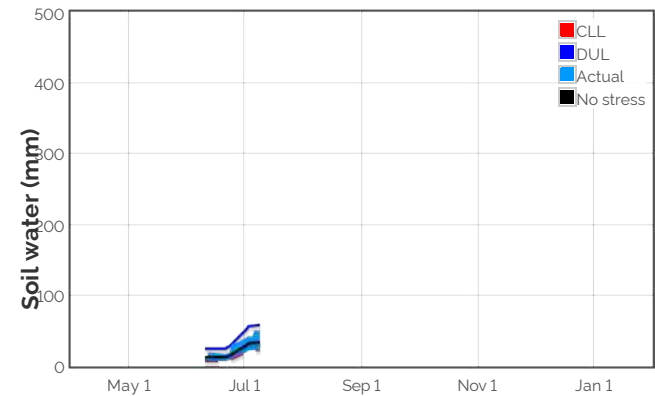
Nitrogen Budget

Initial N status @ 20-May	58 kg/ha
N mineralisation since 20-May	5 kg/ha
N tie up since 20-May	0 kg/ha
N applications	
1-May : 30 kg/ha	
Total N in plant	4 kg/ha
De-nitrification since 20-May	0 kg/ha
Leaching since 20-May	0 kg/ha
Current N status:	80 kg/ha
Median N mineralisation to maturity	= 33.7866028566897 kg/ha
Median N tie up to maturity	= 0 kg/ha

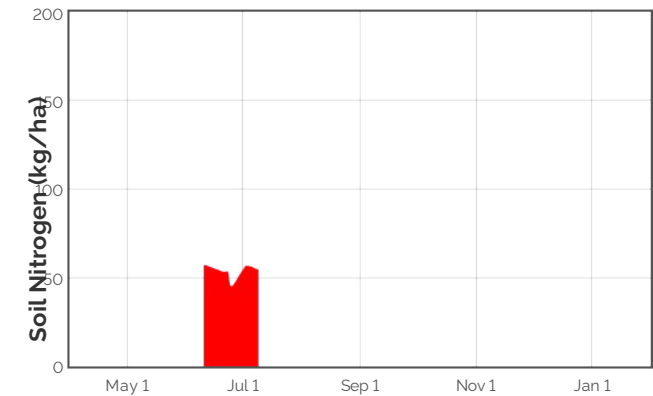
Current distribution of soil nitrogen (kg/ha)



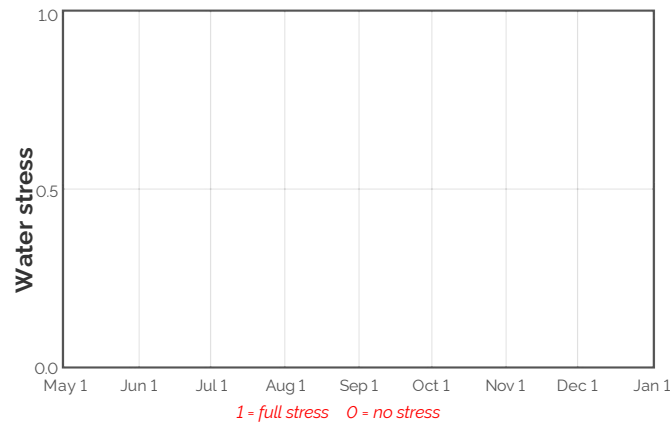
Availability of Water to Growing Roots



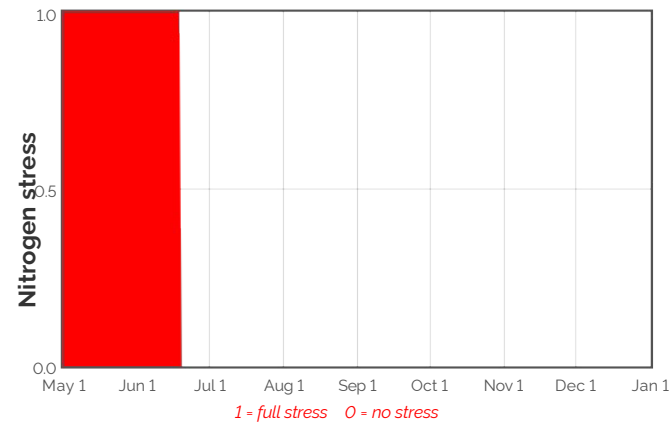
Availability of Soil Nitrogen to Growing Roots



Water Stress



Nitrogen Stress



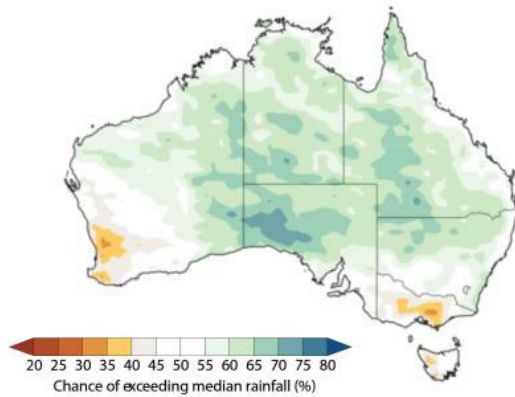
Brief periods of mild to moderate stress do not necessarily lead to reduced yield. To see the likely impacts of additional nitrogen fertiliser rates use the Nitrogen and Nitrogen Profit reports.

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

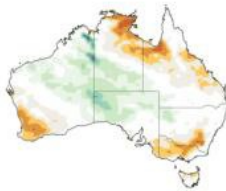
Date	Growth Stage	Evap. (mm)	Water use (mm)	N use (kg/ha)	Water avail. to roots above stress threshold (mm)	Water avail. to roots above CLL (mm)	N avail. to roots (kg/ha)	Mineralisation (kg/ha)	N tie up (kg/ha)
11-Jul	12.8	1.5	0.1	-0.4	16.1	26.7	54.1	0.2	0.0
12-Jul	12.9	1.2	0.1	-0.4	14.7	25.3	53.7	0.2	0.0
13-Jul	13.0	0.9	0.1	-0.4	13.4	24.1	53.2	0.2	0.0
14-Jul	13.1	0.7	0.1	-0.5	12.4	23.2	52.7	0.2	0.0
15-Jul	13.1	0.6	0.1	-0.5	11.6	22.4	52.1	0.2	0.0
16-Jul	13.2	0.5	0.1	-0.6	10.9	21.8	51.5	0.2	0.0
17-Jul	13.4	0.4	0.2	-0.6	10.2	21.1	50.9	0.2	0.0
18-Jul	13.5	0.4	0.2	-0.8	9.5	20.6	50.3	0.2	0.0
19-Jul	13.6	0.4	0.2	-0.8	8.9	20.0	49.7	0.2	0.0
20-Jul	13.7	0.3	0.2	-0.8	8.3	19.5	49.0	0.2	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.

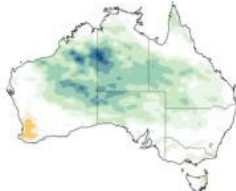
3 MONTH RAINFALL OUTLOOK FOR
JULY TO SEPTEMBER



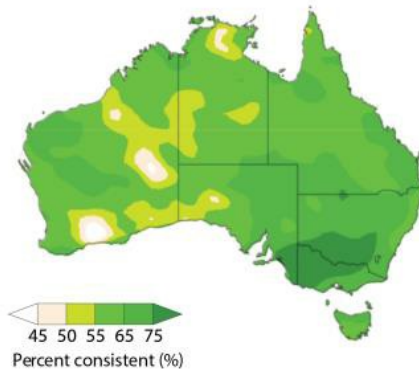
JULY
RAINFALL OUTLOOK



AUGUST
RAINFALL OUTLOOK



PAST ACCURACY FOR
JULY TO SEPTEMBER



PAST ACCURACY FOR
JULY



PAST ACCURACY FOR
AUGUST

