

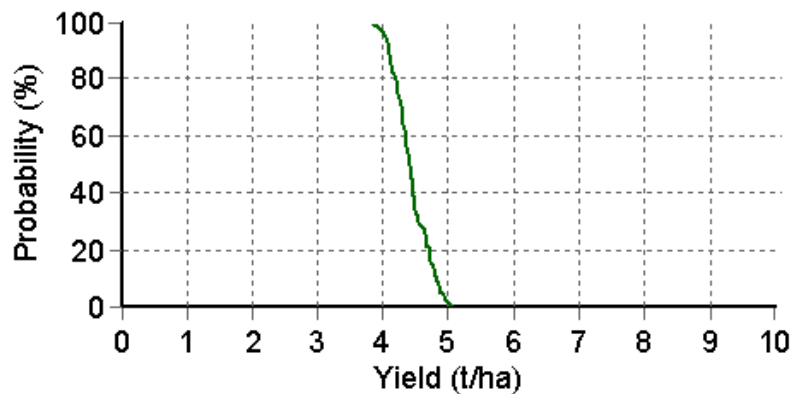
Example Only

Crop Report

Report name: [.....e] Crop report
Report date: 18/10/2006
Last climate date available: 17/10/2006
Client name:
Paddock name: New Pivot
Report generated by:
Date sown: 5/05/2006
Crop type: Wheat
Variety sown: Chara

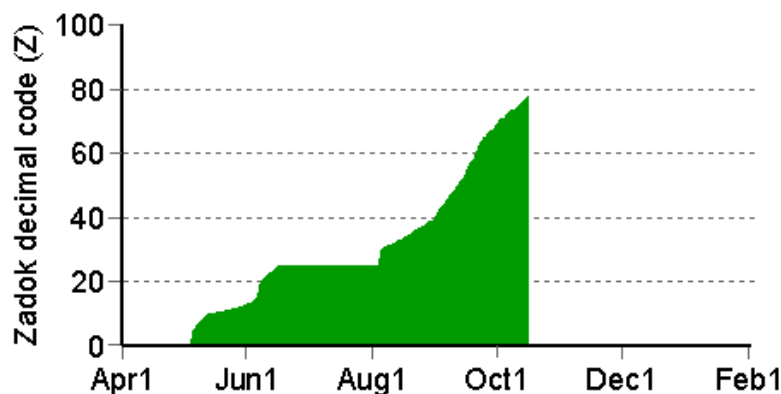
Weather station used: Finley Post Office
Rainfall records used: growers
Soil type: Berrigan Red Kandosol
Maximum rooting depth: 1800 mm
Roots constrained by EC: yes
Start of growing season: 1/05/2006
Initial conditions date: 26/06/2006
Growing season rainfall to date: 87.8 mm
Date of last rainfall entry: 9/09/2006

Yield Outcome



This graph shows the probability of exceeding a range of yield outcomes this season. It takes into account your pre-season soil moisture; the weather conditions so far; soil N and agronomic inputs. The long term record from your nominated weather station is then used to simulate what would have happened from this date on in each of the past 100 years. The yield results are used to produce this graph.

Crop Growth Stage



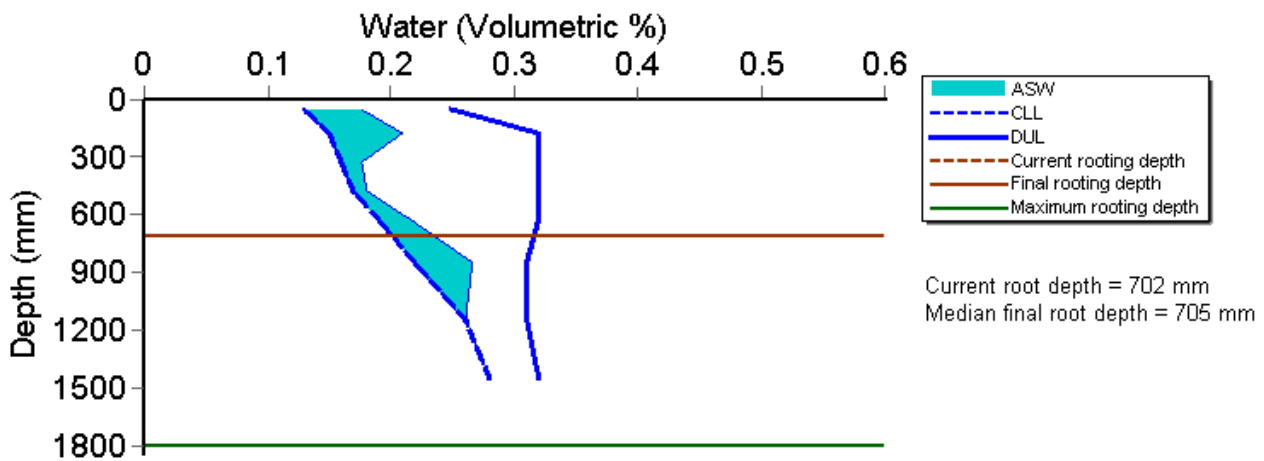
Current Growth Stage

Zadoks growth stage = 78

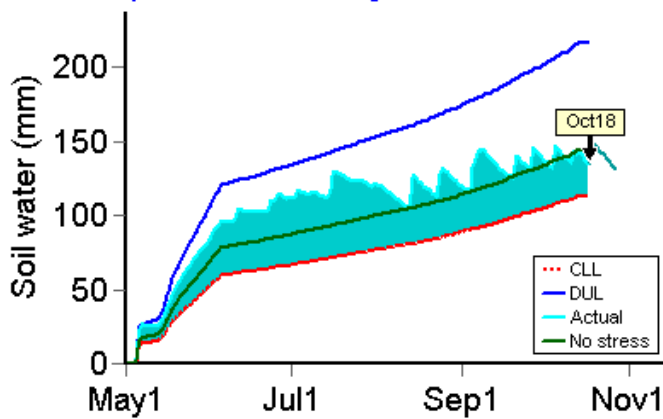
Predicted Growth Stages

Growth stage (on main stem)	First date	Median date	Last date
GS31 (first node detectable)	09/08/2006	10/08/2006	10/08/2006
GS32 (second node detectable)	14/08/2006	14/08/2006	14/08/2006
GS37 (flag leaf just visible)	26/08/2006	26/08/2006	26/08/2006
GS61 (start of flowering)	23/09/2006	23/09/2006	23/09/2006
GS69 (end of flowering)	02/10/2006	02/10/2006	02/10/2006
GS91 (crop mature)	05/11/2006	09/11/2006	14/11/2006

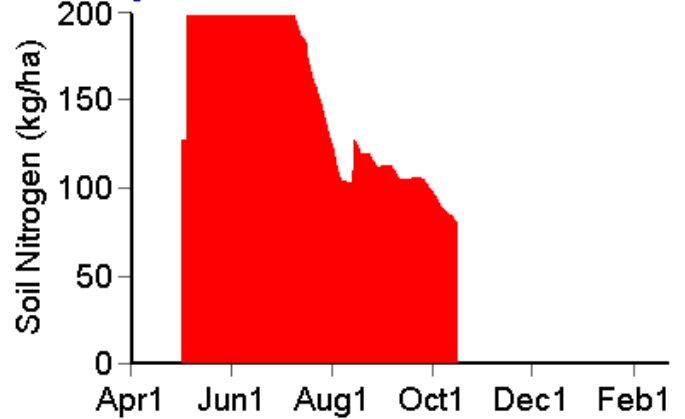
Current distribution of PAW



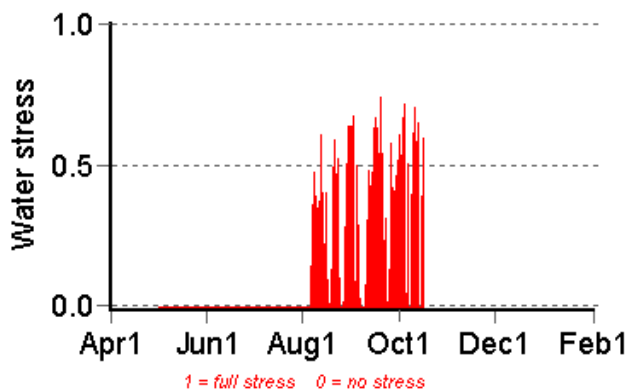
Availability of Water to Growing Roots



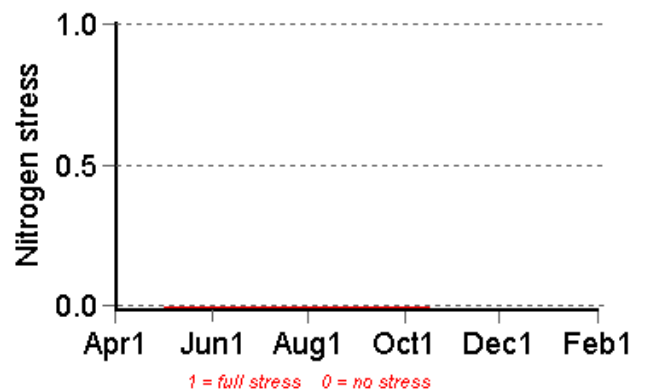
Soil Nitrogen



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.

Water Budget

Initial PAW status @ 26-Jun	91 mm
Rainfall since 26-Jun	53.4 mm
Irrigation to date	14-Aug: 36 mm
	24-Aug: 20 mm
	05-Sep: 24 mm
	21-Sep: 24 mm
	27-Sep: 24 mm
	05-Oct: 24 mm
	12-Oct: 16 mm
	18-Oct: 24 mm
	: mm
	: mm
Evaporation since 26-Jun	70 mm
Transpiration since 26-Jun	158 mm
Deep drainage since 26-Jun	0 mm
Run-off since 26-Jun	0 mm
Current PAW status:	35 mm

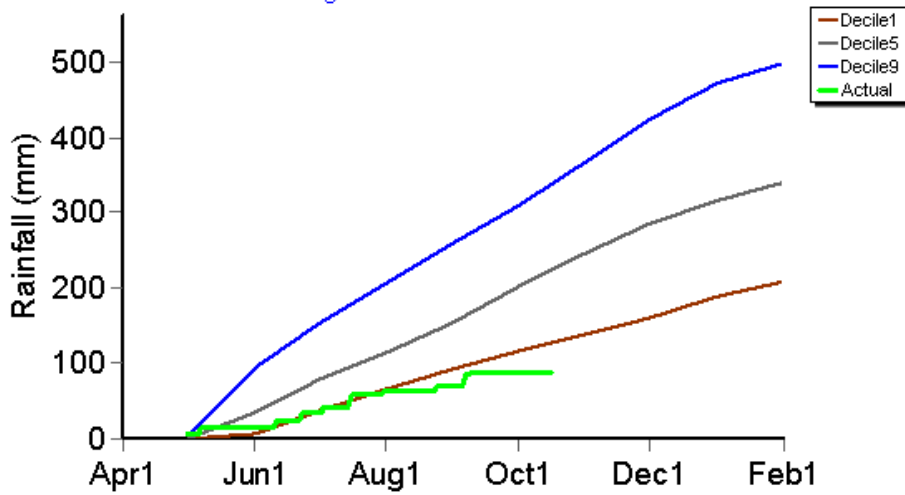
Nitrogen Budget

Initial N status @ 26-Jun	228 kg/ha
Mineralisation since 26-Jun	6 kg/ha
N applications	5-May: 14 kg/ha
	4-Aug: 25 kg/ha
	: kg/ha
	: kg/ha
	: kg/ha
Total N in plant	201 kg/ha
De-nitrification since 26-Jun	2 kg/ha
Leaching	0 kg/ha
Current N status:	80 kg/ha

Mean projected crop performance and requirements for the next 10 days assuming no rain and no added fertilizer.

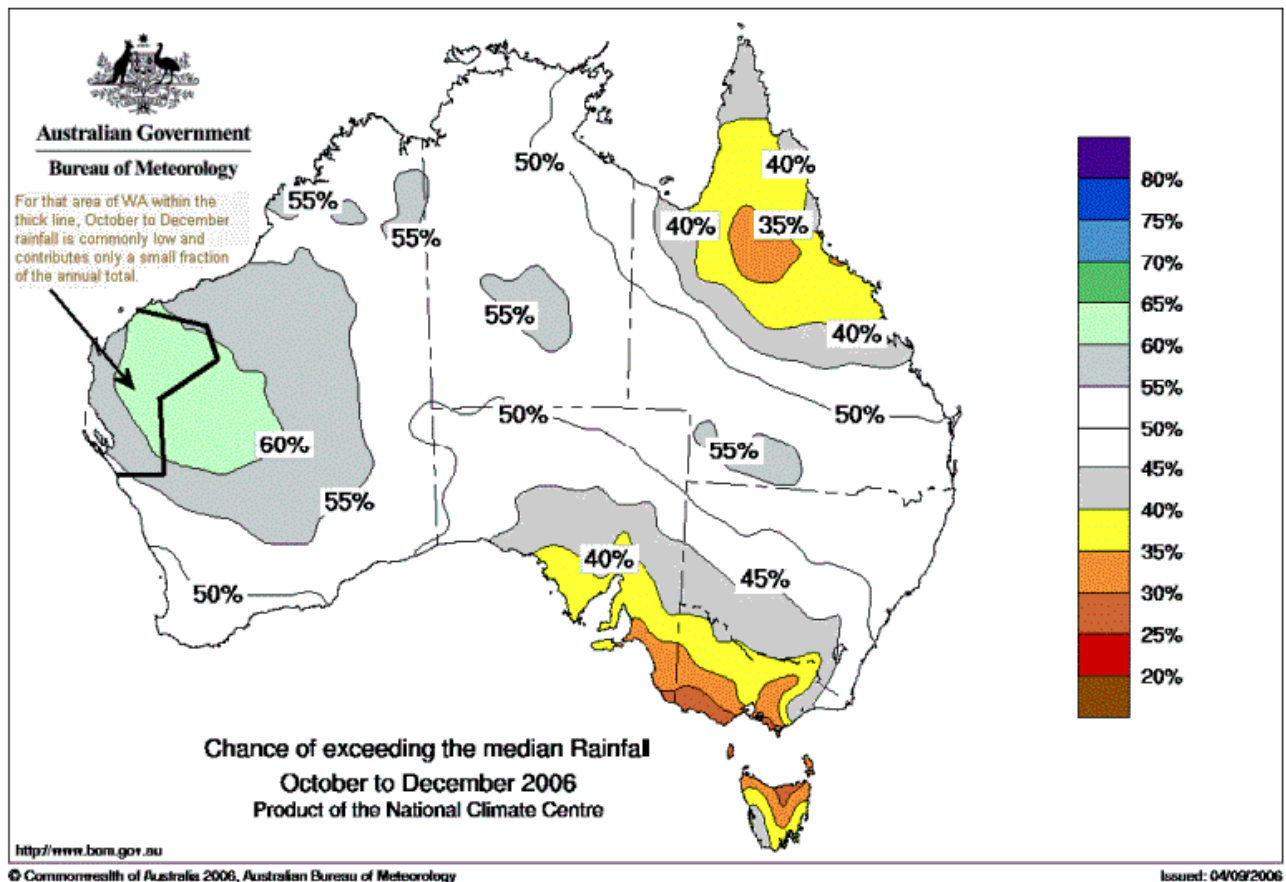
Date	Growth Stage	Evap (mm)	Daily water use (mm)	Daily N use (kg/ha)	Water available to roots above stress threshold (mm)	N available to roots (kg/ha)
18-Oct	78	0.9	1.2	2.7	-9.6	79.6
19-Oct	78	1.0	1.7	2.9	4.6	77.0
20-Oct	79	1.0	1.7	2.6	2.1	74.8
21-Oct	79	1.0	1.6	2.3	-0.3	72.9
22-Oct	80	1.0	1.6	2.0	-2.7	71.3
23-Oct	80	0.9	1.4	1.8	-4.8	70.0
24-Oct	81	1.1	1.3	0.0	-6.9	69.9
25-Oct	81	1.1	1.2	0.0	-9.3	69.8
26-Oct	82	1.1	1.1	0.0	-11.4	69.2
27-Oct	82	1.1	1.0	0.0	-13.4	69.0

The season so far - Growing Season Rainfall Deciles



How much rainfall can I expect?

The Bureau of Meteorology Forecast for the next 3 months

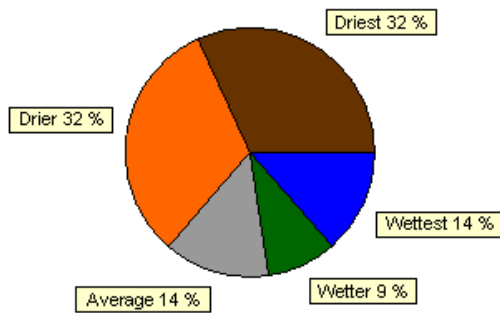


National Seasonal Rainfall Outlook: probabilities for October to December 2006

Issued by the bureau of Meteorology 26th September 2006.

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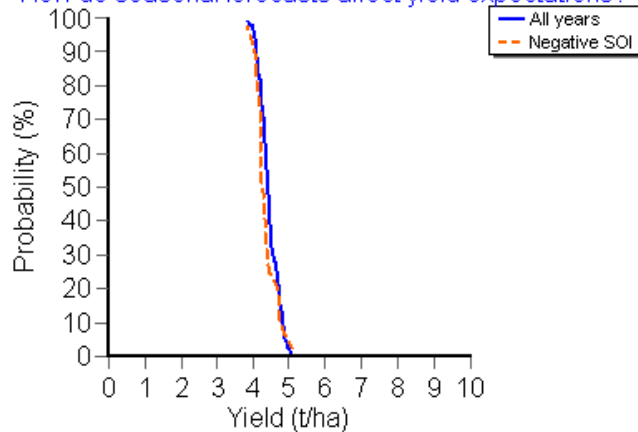
How much rainfall can I expect?
 The SOI seasonal forecast for the next 3 months.



The SOI is an index that compares the atmospheric pressure between Tahiti and Darwin. SOI Phases are determined by comparing average monthly SOI values of the past two months. Phases of the SOI have been shown to be related to rainfall variability in a range of locations in Australia and around the world.

	Rainfall
Driest	0 to 36 mm
Drier	36 to 55 mm
Average	55 to 83 mm
Wetter	83 to 135 mm
Wettest	135 to 253 mm

How do seasonal forecasts affect yield expectations?



The 30 day mean SOI for September was -4.61 , it was -14.41 in August.

Yield outcomes of the current SOI Phase ARE significantly different from yield outcomes of all years. Significance is determined on a 90% probability threshold. (PValue=0.024)

The ENSO Sequence System (ESS) - An alternative but still experimental forecasting system.

ESS Analogue Years

Year 2002	4.2 t/ha
Year 1963	4.3 t/ha
Year 1951	4.4 t/ha
Year 1976	4.7 t/ha
Year 1979	4.3 t/ha

Note: The ESS Analogue system is still experimental.

The outlook was released 6 October, 2006. The analogue years are in order of greatest similarity to conditions this year.

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