

CottonInfo: Moisture Manager, 24 August

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The CottonInfo Moisture Manager

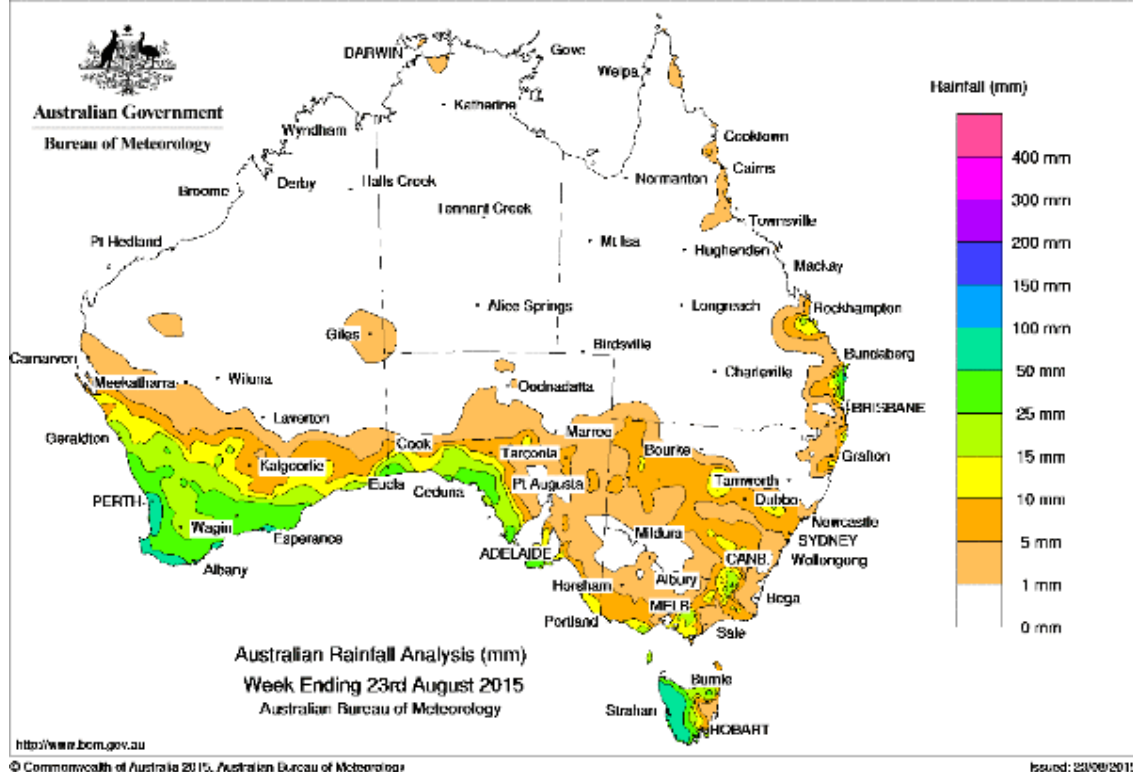
In this edition:

- [Latest weather and climate news](#)
- [Australian rainfall totals \(week ending 24 August 2015\)](#)
- [Summary of climate indicators](#)
- [Rainfall and temperature guidance summary](#)
- [BOM/POAMA model](#)
- [AEGIC climate forecast](#)
- [Stored soil moisture and soil nitrate status](#)

Latest weather and climate news

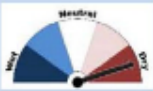
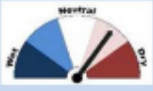
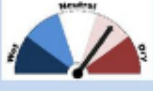
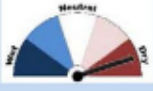
- Light rain through until 2 September for most areas.
- Average temperatures look set to continue for most cotton growing areas over the next four weeks.
- Southern Annular Mode and atmospheric blocking currently in positive phases pushing moisture into NSW and Southern QLD.
- Latest AEGIC forecast predicting average to below average precipitation for the summer crop planting window.
- What's your current soil moisture status? CliMate App calculates soil moisture reserves and soil nitrate levels.

Australian rainfall totals (week ending 24 August 2015)



Summary of climate indicators

For more information on what the climatic indicators mean, [click here](#).

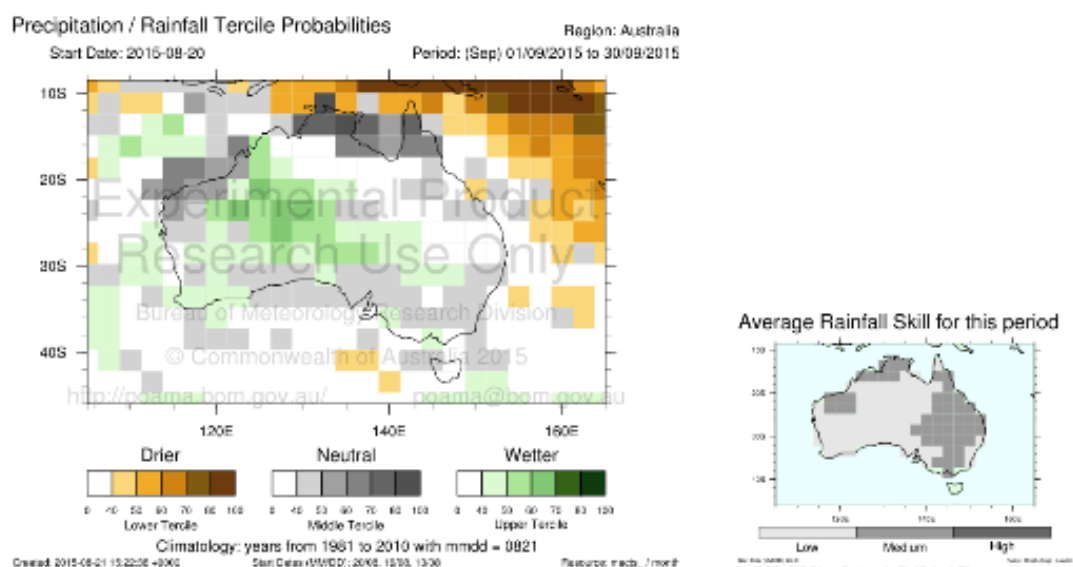
Measure	Indicator	Current Status		Forecast Trend
Sea Surface Temperature Indices 	Pacific Ocean – Nifio 3.4	+2		Dry
	Pacific Ocean – Composite Index	+0.5		Dry
	Indian Ocean	+0.5		Dry
Mean Sea Level Air Pressure 	Southern Oscillation Index	-21		Dry/neutral
	Southern Annular Mode	0		Neutral/wet
Tasman Sea Upper Atmospheric Air Pressure 	Blocking	+10		Neutral/wet

Rainfall and temperature guidance summary

Source	Model Accessed	Temperature Forecast	Precipitation Outlook
POAMA Multi-week(BOM)	24 August	Ave temps all areas exc CQ Above ave min/max temps CQ	Rain events through until 2 Sept except CQ Rain events persist in Riverina to 9 Sept Dry 9-31 Sept all areas
Japan Met Assoc.	24 August	Average temps	Rain events: 24-Aug-2 Sept Light rain event 9-16 Sept
Beijing Climate Centre	24 August	Ave temps	Rain NSW to 1 Sept Dry 2-21 Sept
NCEP (GFS) 16-Day	24 August	N/A	Emerald: 8mm on the 29 Aug Balonne: 13mm on the 27 Aug Darling Downs: rain events through to 1 Sept Border Rvs/Gwydir: 20mm through to 27th Aug Namoi: light rain to 7 Sept Warren: light rain to 1 Sept Hillston: light rain to 2 Sept Hay: rain through to 2 Sept

BOM/POAMA model

[BOM/POAMA](#) model output for month of September (1-30 Sept) predicts some Indian Ocean moisture to reach western NSW:

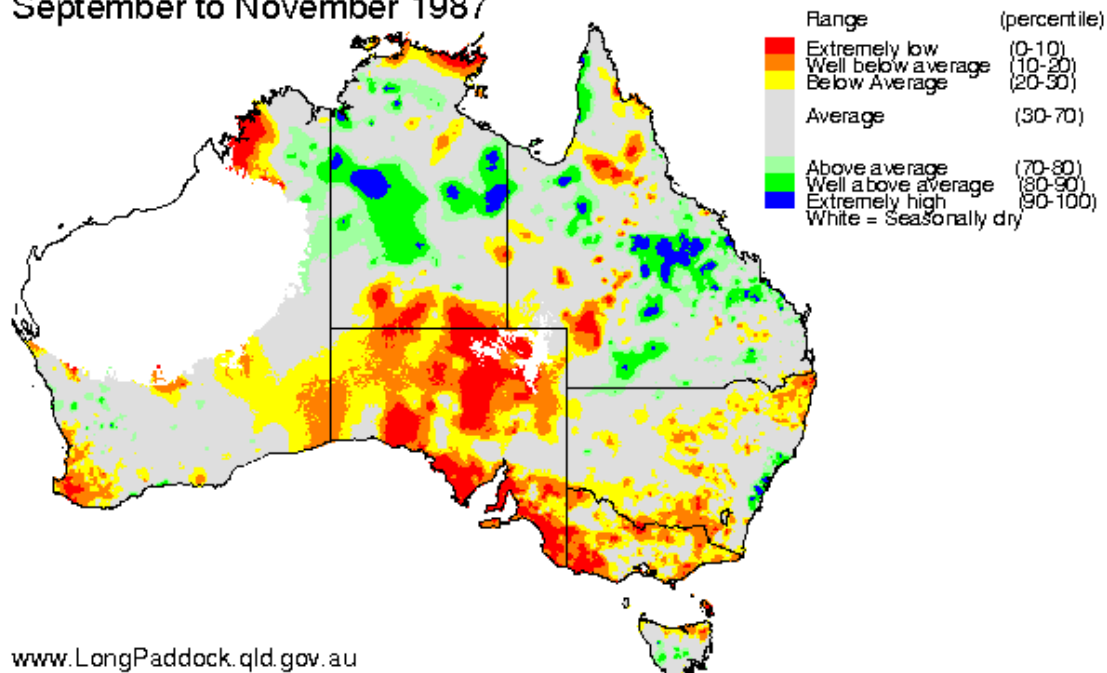


AEGIC climate forecast

Dr David Stephens from the Australian Export Grains Innovation Centre (AEGIC) reports three possible 'analogue' or 'like' years for 2015, based on a comprehensive technical (statistical) analysis of current air pressure and sea surface temperatures across the Indian Ocean and the Tropical Pacific Basin. The analogue years by rank for 2015 are: 1987 (1), 1940 (2) and 1997 (3). The full report can be found [here](#).

The rainfall anomalies (relative to normal) for the lead analogue year 1987 from September to November (issued 8 August 2015) are summarised below (or check your farm records for that year):

Rainfall Relative to Historical Records September to November 1987



Stored soil moisture and soil nitrate status

Considering raingrown cotton? Award winning app [CliMate](#) predicts soil moisture and soil nitrate status as follows (assuming winter wheat 2014-fallow 2015, PAWC 230mm):

Note: values do not contain data from current rain event to 9am, 24 August 2015.

Location	Stored Soil Moisture	Estimated Soil Nitrate
Emerald	122mm	70kg/ha N
Springsure	178mm	96kg/ha N
St George	84mm	67kg/ha N
Macalister	146mm	91kg/ha N
Pittsworth	172mm	90kg/ha N
Bonshaw	205mm	113kg/ha N
Boggabilla	208mm	106kg/ha N
Mungindi	56mm	71kg/ha N
Garah	172mm	93kg/ha N
Moree (Bullerana)	140mm	100kg/ha N
Pallamallawa	210mm	105kg/ha N
Bellata	152mm	110kg/ha N
Rowena	100mm	90kg/ha N
Willow Tree	157mm	85kg/ha N
Gunnedah	122mm	116kg/ha N
Wee Waa (Doreen Lane)	99mm	101kg/ha N
Premer	136mm	87kg/ha N
Warren (Auscott)	116mm	63kg/ha N
Trangie	102mm	71kg/ha N
Carinda	49mm	51kg/ha N
Peak Hill	169mm	89kg/ha N

Visit [CliMate](#) to find out your local soil moisture and soil nitrate levels:



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This project is supported by funding from the Australian government.

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