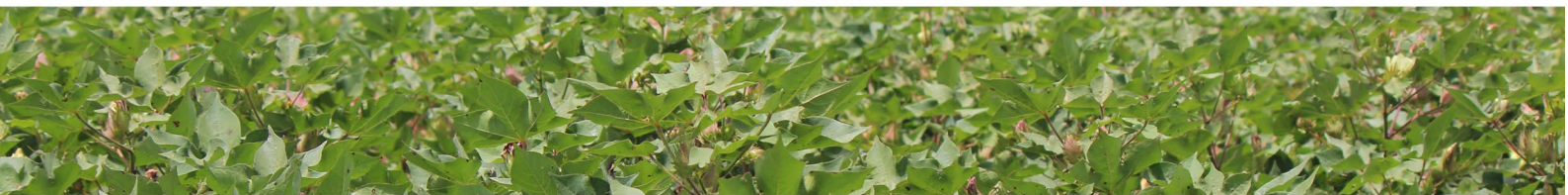




Information when you need it



the cotton thread

Border Rivers, St George and Dirranbandi

May 2023

Picking Update

Picking across the Balonne and MacIntyre is in progress with St George and Dirranbandi near completed bar a few late crops. Goondiwindi is progressing and is estimated to be around 50% picked.

Preliminary indications are very good with some growers talking of highest ever farm average yields (estimates based on round module produced). Gin feedback indicates the round modules are weighing a bit light due to the excellent dry picking conditions and that processing has been fractionally slower than normal - seems harder to separate the lint from the seed. Out turns have been reported as good (ie. 43% 746BRF, 45% 748BRF) aided by good defoliation results.



Figure 1: Satellite Images from Goondiwindi area taken early March and mid-late May



is a joint initiative of



Best Practice



What's On:

31 May:	CSD Growing Better – Seed and Sales information session Goondiwindi 11am
31 May:	CSD Growing Better – Seed and Sales Information session St George 4pm
1 June:	CSD Growing Better – Seed and Sales Information session Mungindi 11am
6 June:	CSD Growing Better – Seed and Sales Information session Moree 4pm
14&15 June:	MDBA River Reflections Conference Narrabri
20 July:	Bayer Xtendflex sprayer training, Mungindi
21 July:	Bayer Xtendflex sprayer training, St George
10 August:	Bayer Xtendflex sprayer training, Moree
11 August:	Bayer Xtendflex sprayer training, Goondiwindi
16 August:	Bayer Xtendflex sprayer training, St George
23 August:	Growing Better – Mastering Cotton Forum, St George
24 August:	Growing Better – Mastering cotton Forum, Goondiwindi
12 Sept:	Bayer Xtendflex sprayer training, Goondiwindi
13 Sept:	Bayer Xtendflex sprayer training, Moree

Effect of residual herbicides applied at camera spray rates during fallow on the subsequent cotton crop.



Graham Charles, Eric Koetz & Jeff Werth NSW DPI & QDAF. Work supported by CRDC.

Camera sprayers have increased in popularity with overall big reductions in chemical use in fallow fields. High chemical rates can be applied to individual weeds when a number of nozzles fire. This can have residual chemical carryover effects on the following cotton crop.

Herbicide	Active	Group	Rate
Balance	isoxaflutole	27	100g/ha
Sharpen	safufenacil	14	34g/ha

Starane Advanced	Fluroxypyr	4	900ml/ha
Valor	flumioxazin	14	140g/ha
2,4-D amine	2,4-D amine	4	1.6 L/ha
Voraxor	safufenacil + trifludimoxazin	14	240 ml/ha

All herbicides were applied at 1X, 2X, 4X and 8X rates on 30 Jul 2021.
Cotton planted 7 Oct 2021, Sicot 714B3F.

Seedling damage assessment 3rd November 2021

Herbicide	Plant stand	Plant size
Balance 4X & 8X	Reduced at 8X	Reduced
Sharpen 4X & 8X	Reduced at 8X	Reduced
Starane Advanced 4X & 8X	Reduced	Reduced
Valor – all rates	-	-
2,4-D amine	-	-
Voraxor	Reduced at 2,4,8 X	Reduced

Yield and Maturity

Herbicide	Yield	Maturity
Balance 4X & 8X	Reduced at 8X	delayed
Sharpen 4X & 8X	Reduced at 8X	delayed
Starane 4X & 8X	Reduced at 8X	delayed
Valor – all rates	-	delayed
2,4-D amine	-	-
Voraxor – all rates	Reduced at 2,4,8 X	delayed

Take home message.

Be conservative with residual herbicides, especially at high (camera sprayer) rates. Often when two or more nozzles fire the rates are considerably higher than the already high permit rate. Be wary of combinations of herbicides, they may have reduced safety margins. The more herbicides, the more chances for damage. Be aware of potential additive effects when

using residuals in summer crop after applying residual herbicides in the winter phase and vice versa. Some interactions can linger longer in the soil.

Seasonal Outlook

The [CottonInfo Moisture manager for May](#) is indicating a move towards drier conditions (approaching El Nino) for the coming months May to July (below) for most regions. The drier outlook is supported by the BoM outlook for the same period.

Source	Temp Forecast	Precipitation outlook				
		Emerald	Sth Q'ld	N-NSW	C-NSW	S-NSW
ACCESS-S 	Hot	Normal	Drier	Drier	Drier	Drier
UK Met 	Normal	Normal	Normal	Drier	Drier	Drier
IRI NMME 	Cooler	Drier	Drier	Drier	Drier	Drier
ECMWF 	Warm (nth) Normal (sth)	Drier	Drier	Drier	Drier	Drier
CMCC 	Warmer	Normal	Drier	Drier	Drier	Drier
JMA 	Normal (nth) Warm (sth)	Drier	Drier	Drier	Drier	Drier

Figure 3: May to July seasonal outlook from CottonInfo Moisture Manager

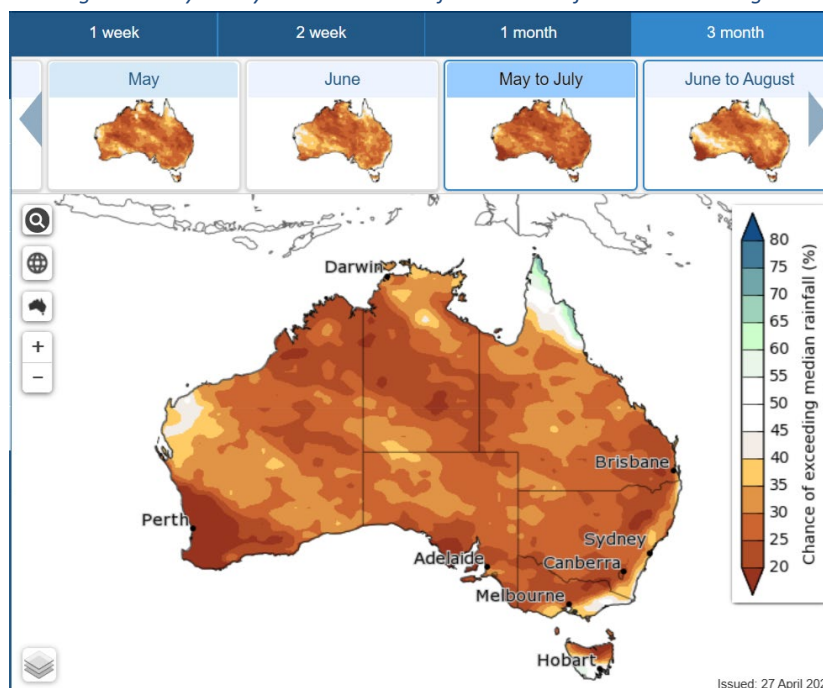
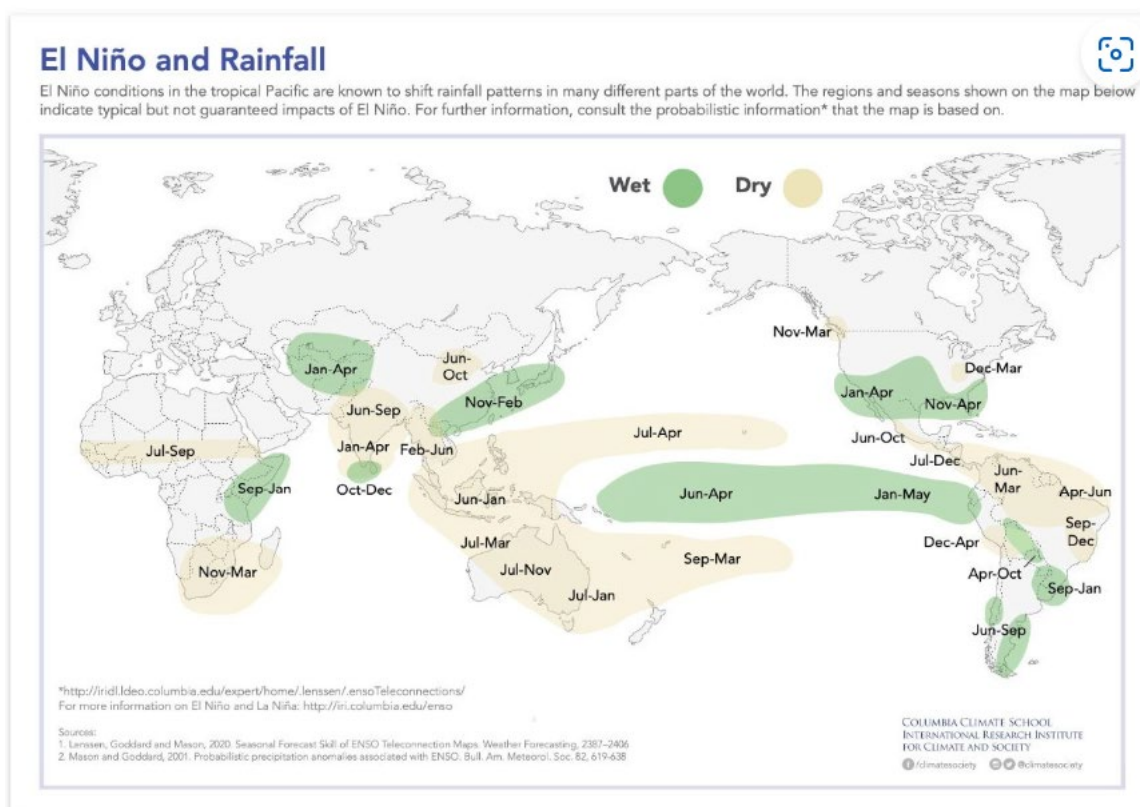


Fig 4: Bureau of Meteorology Seasonal Outlook for Moisture for May to July. These outlooks can be found at [Overview—Summary - Climate Outlooks \(bom.gov.au\)](#)

El Niño and rainfall impacts

Typical El Niño effects on rainfall are neatly summarised in the map image below, with Australia's impact generally occurring through winter and spring seasons. Click [here](#) to visit the original document (Source IRI, US)



Upcoming XtendFlex Cotton Spray Applicator Training Sessions

As part of Bayer's commitment to whole of system stewardship, the spray applicator training will be a requirement for:

- Technology User Agreement (TUA) signers;
- All on-farm staff responsible for spray applications (including mixing/handling); and
- Any spray contractor that applies XtendFlex Cotton System products over-the-top (OTT) of XtendFlex cotton varieties, once approved by the APVMA.



Each training session covers theory and practical topics. Local courses are listed below. For a full list of course locations and dates, please see the [Bayer website](#). Participants need to register for workshops and can do so from the Bayer website or by clicking [here](#).

Thursday 20 July, 2023	Mungindi, NSW	8:45AM – 2:30PM
Friday 21 July, 2023	St George, NSW	8:45AM – 2:30PM
Thursday 10 August, 2023	Moree, NSW	8:45AM – 2:30PM
Friday 11 August, 2023	Goondiwindi, QLD	8:45AM – 2:30PM
Wednesday 16 August, 2023	St George, QLD	8:45AM – 2:30PM
Tuesday 12 September, 2023	Goondiwindi, QLD	8:45AM – 2:30PM
Wednesday 13 September, 2023	Moree, NSW	8:45AM – 2:30PM

CSD News

[Cotton Yarns Podcast](#) – In the April podcast, CSD extension agronomist, Angus Marshall talks to QDAF principal pathologist Dr Linda Smith about Fusarium Wilt. You will need to be a [CSD member](#) to listen to these.



New Chief Executive Officer appointed – Dr Ian Taylor (CRDC Executive Director) has been appointed to the role and is due to commence in September 2023. Ian will replace outgoing Managing Director Peter Graham.

CSD Grower Better Cotton Series

CSD are changing things up! They are excited to present the 'Growing Better Series' - a series of information sessions, forums and field days focused on providing you with the information you need, when you need it. They include:

- 1) **Seed and Sales Information Sessions which start next week!**
- 2) Growing Better Mastering Cotton Forums – August 2023
- 3) Growing Better Field Days held during the 2023/24 cotton season.

CSD's first Growing Better Series event is the **Seed and Sales Information Sessions**. These sessions have been designed to provide CSD agents, and interested growers, with information on variety availability, pricing, seed treatments, timelines, and agent requirements.

Location	Time/Dates
Goondiwindi	Wednesday 31st May 2023, 11am, Victoria Hotel
St George	Wednesday 31st May, 4pm, 2023 Australian Hotel
Mungindi	Thursday 1st June 2023, 11am, 2-Mile Hotel
Moree	Tuesday 6th June 2023, 4pm, Town and Country Club

These meetings are expected to run for 1.5hrs max.

[RSVP HERE](#)

Variety trial information will not be available at these meetings. To find the latest information on CSD Variety Trials please go to <https://csd.net.au/variety-trials>. This site continues to be updated as the 2022/23 data becomes available.

Later in the year, we will hold the **Growing Better Mastering Cotton Forums**

These forums will be held across the cotton growing regions of Australia and will provide an opportunity for growers, agronomists, agents, and all members of the industry to gain access to variety trial data, the latest nutrition and disease information, insight into the future of precision ag, plus much more.

CRDC news



- CRDC partners in Northern Australia RD&E
- CRDC's Dr Ian Taylor joins key cotton partner CSD as CEO
- Former Cotton scientist Dr Nicola Cottee joins CRDC's Innovation team
- Directors sought for CRDC board
- Agrifutures Horizon Scholarships for two students choosing cotton careers
- RM Williams Outback magazine takes a deep dive into Australian Cotton Research
- All 100 WAND (inversion) towers now live

For more details on these, click [here](#).



Cotton Australia News



- Cotton picking underway with positive signs despite challenges
- Cotton industry makes important step in diverting textile waste from landfill

[Cotton Matters](#)

- Global interest in our cotton sky high after Australian cotton forum and farm tour
- Finalists announced for Bayer Cotton Grower of the Year and AgriRisk High

Achiever

- Federal Budget not delivering for Australian Agriculture
- The NT industry – enthusiastic adopters of the myBMP programme
- On the road with Lacoste
- Executive team visits NT
- Agri-tech roadshow getting students and teachers in western NSW excited for careers in the cotton industry

For more information on these, click [here](#).

Andrew McKay

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