



# Lessons from the 2022/23 cotton season and looking forward

## Kieran O'Keeffe

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General guide only, not comprehensive or specific technical advice. Circumstances vary from farm to farm. To the fullest extent permitted by law, CSD expressly disclaims all liability for any loss or damage arising from reliance upon any information, statement or opinion in this presentation or from any errors or omissions in this document



# A wet start and a cool season

Record rain in October > 200 mm

85,000 ha planned; 50,000 ha planted.

1/3 of crop planted in November

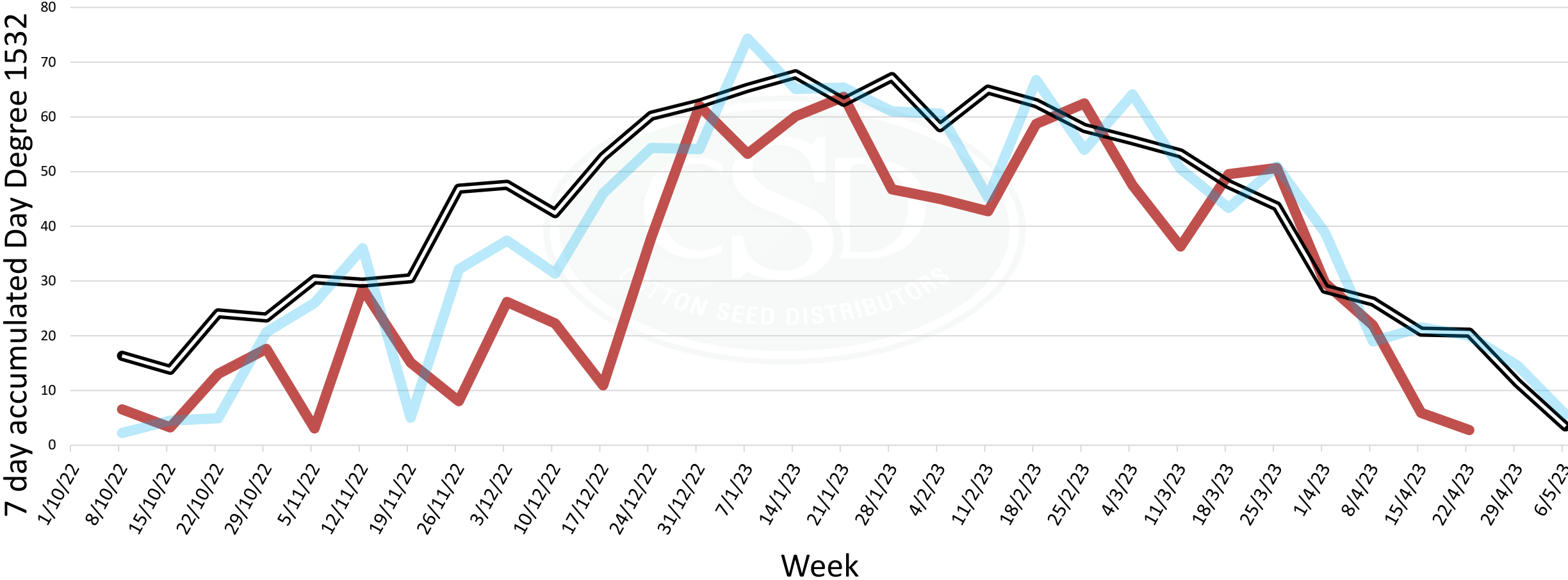
Cold start Oct, Nov, till mid Dec

Day degrees only 77% of average over the season.



# Season Weekly Accumulated DD1532

— This season 7 Day Accumulated      — 10 Year Mean      — Last season 7 Day Accumulated



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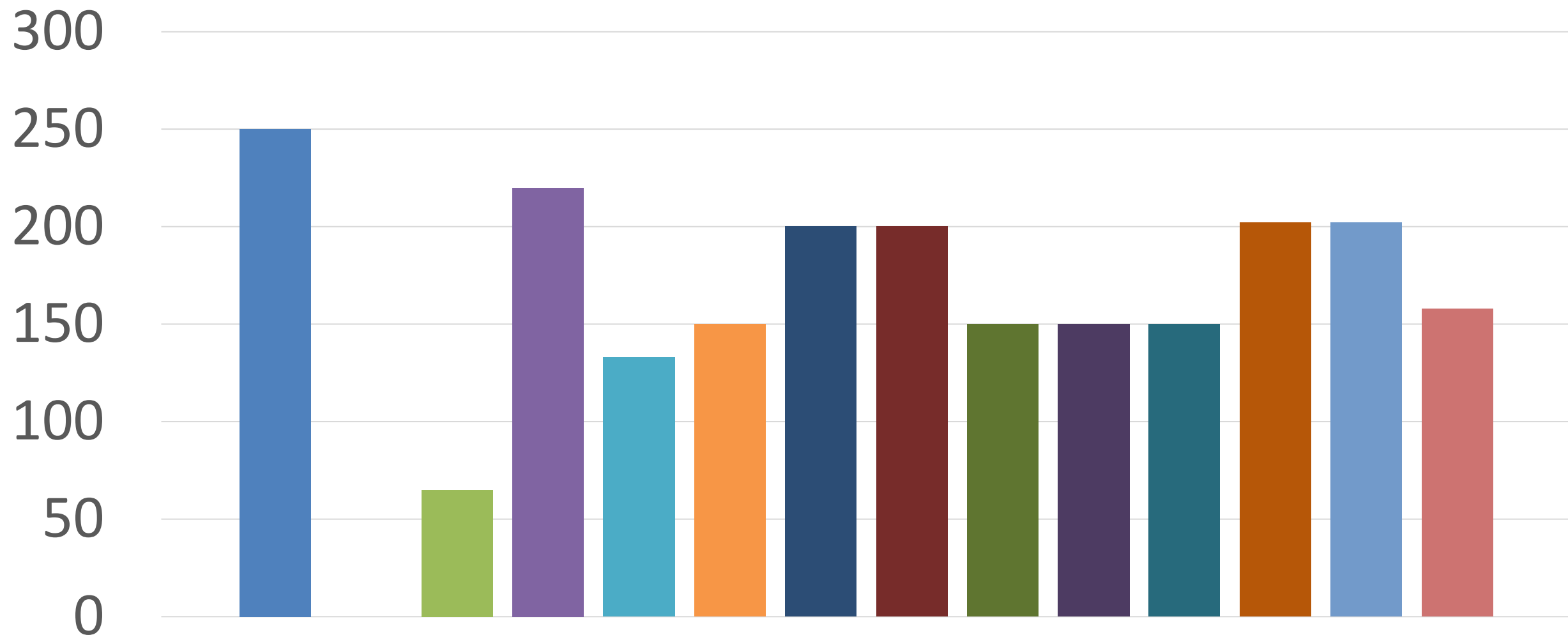


# Key messages in Late October

1. Dial back yield expectations.
2. Factor in a quality discount.
3. Adjust nutrition for target yields.
4. Stick to cut out dates.
5. Read the season through seasonal outlooks



# C Crop 2023 applied N (kgN/ha)



# Our planting window

**A narrow window to maximise yields so be ready to go.**

Ideal conditions - seed wet 30<sup>th</sup> September – 15<sup>th</sup> October.

If conditions suitable last week of September and rest of October.

Planting and water up maybe stop/start.

Amber light is what we expect to get.

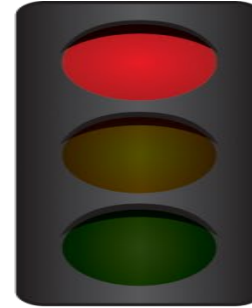
# Our planting window

## Have you got the **green light** for cotton planting this season?

Planting the cotton crop is one of the most important operations on the farm. It sets the standard for the entire season. There are some key considerations that will help ensure that it is a once only task.

Soil temperature at 10 cm depth above 14°C at 9am (AEST) ☐

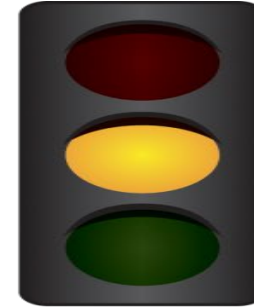
Forecast average temperatures for the week following planting on a rising plane ☐



RED LIGHT



**STOP!**



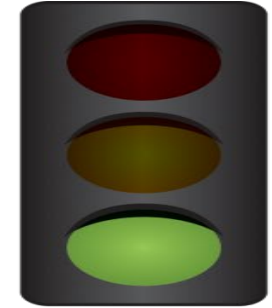
AMBER LIGHT



or



**STEADY**



GREEN LIGHT



**GO!**

## IMPORTANT

- If you cannot give a green tick next to at least one of these statements, then planting conditions are definitely unsuitable - **STOP!**
- If you can give a green tick to only one of these statements - **BE CAUTIOUS**. Adjustments may need to be made.
- If you can give both statements a green tick - **LET'S GO!**

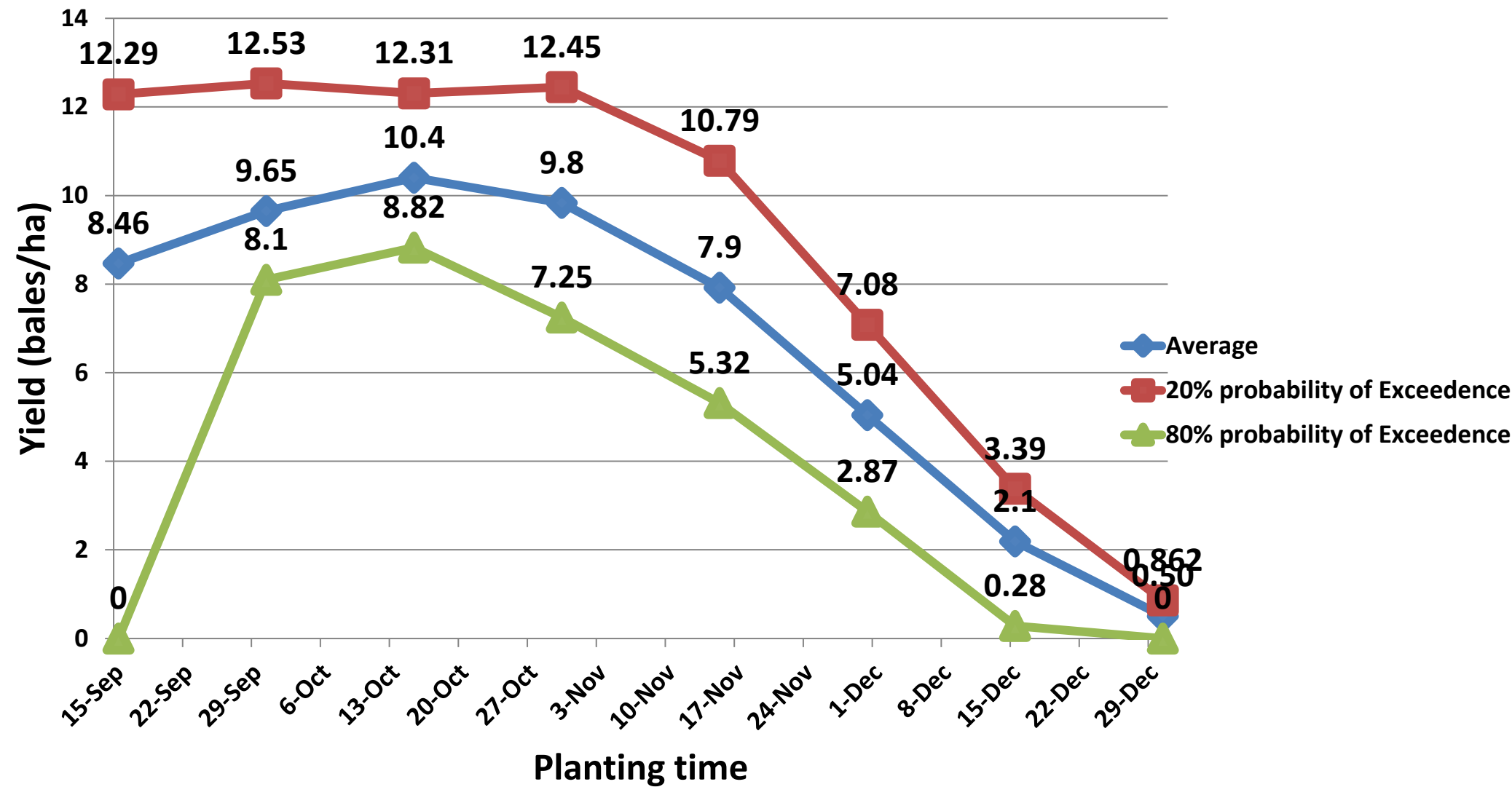


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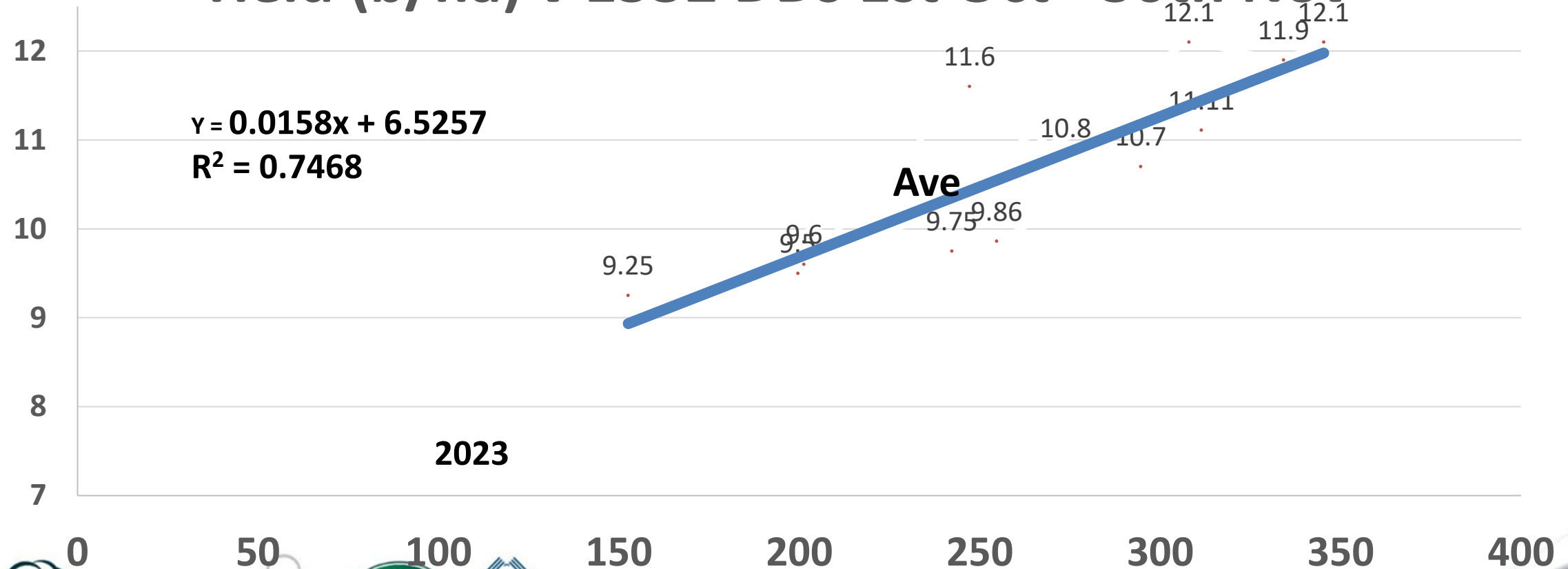




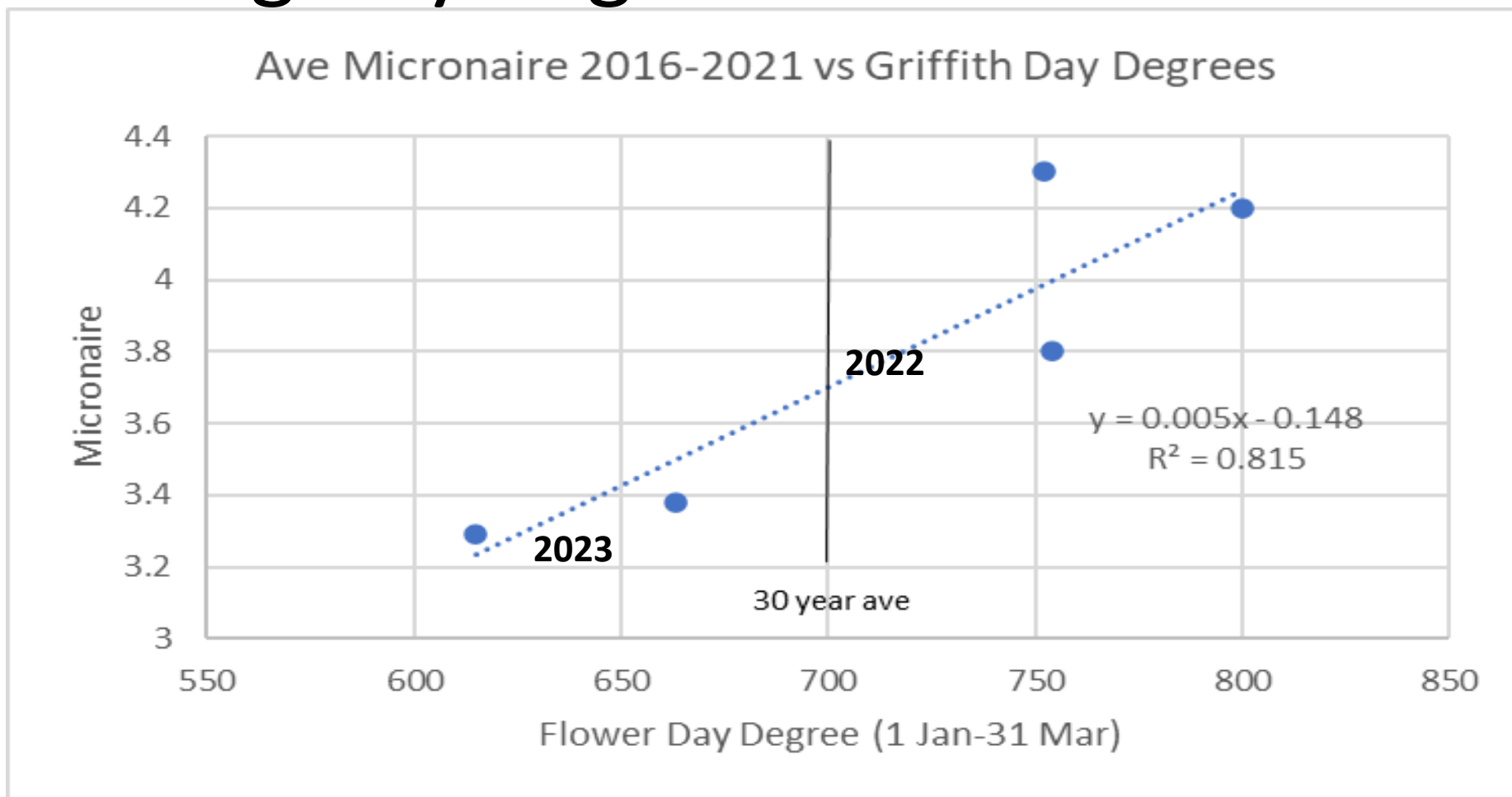


# A good start for good yield

## Yield (b/ha) v 1532 DDs 1st Oct - 30th Nov



# Finishing Day degrees for base micronaire



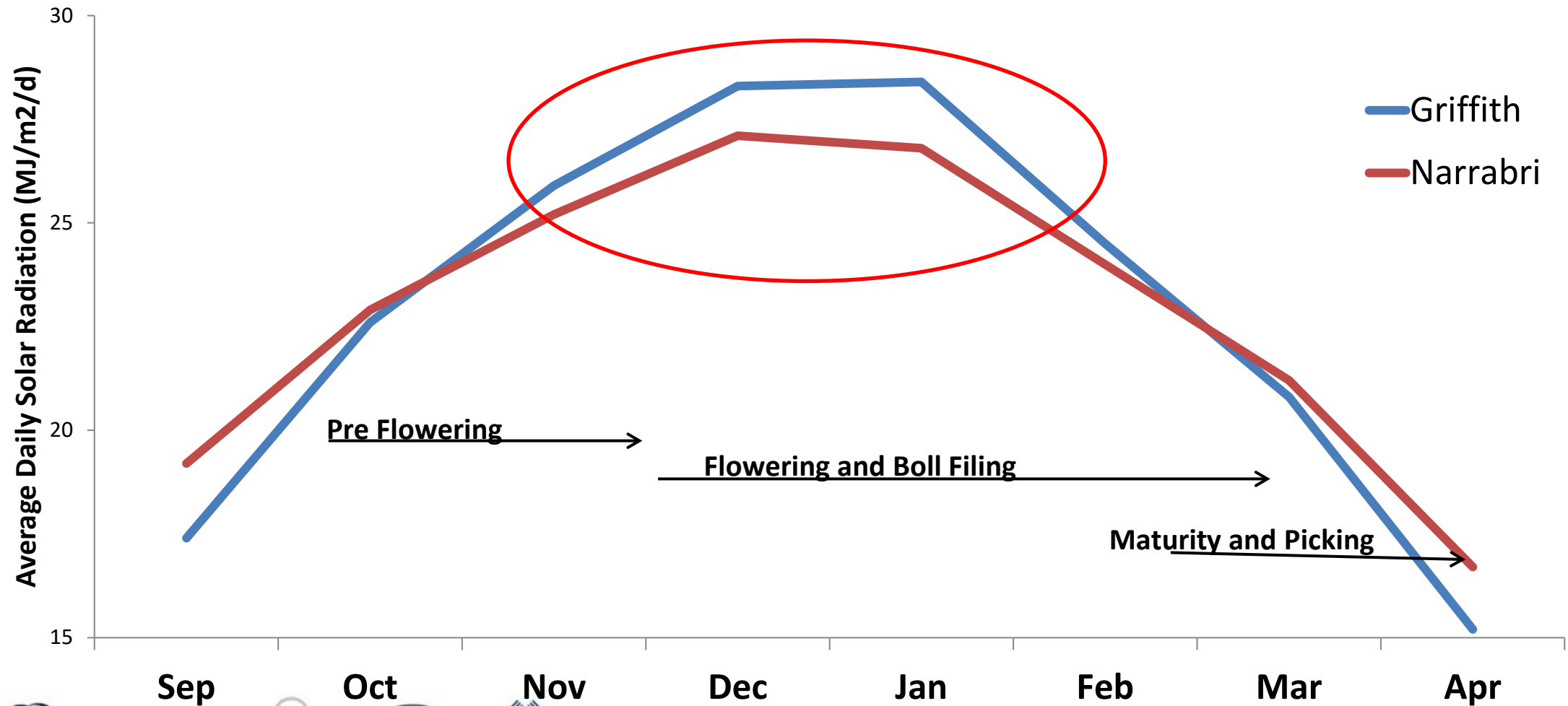
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# Sunshine



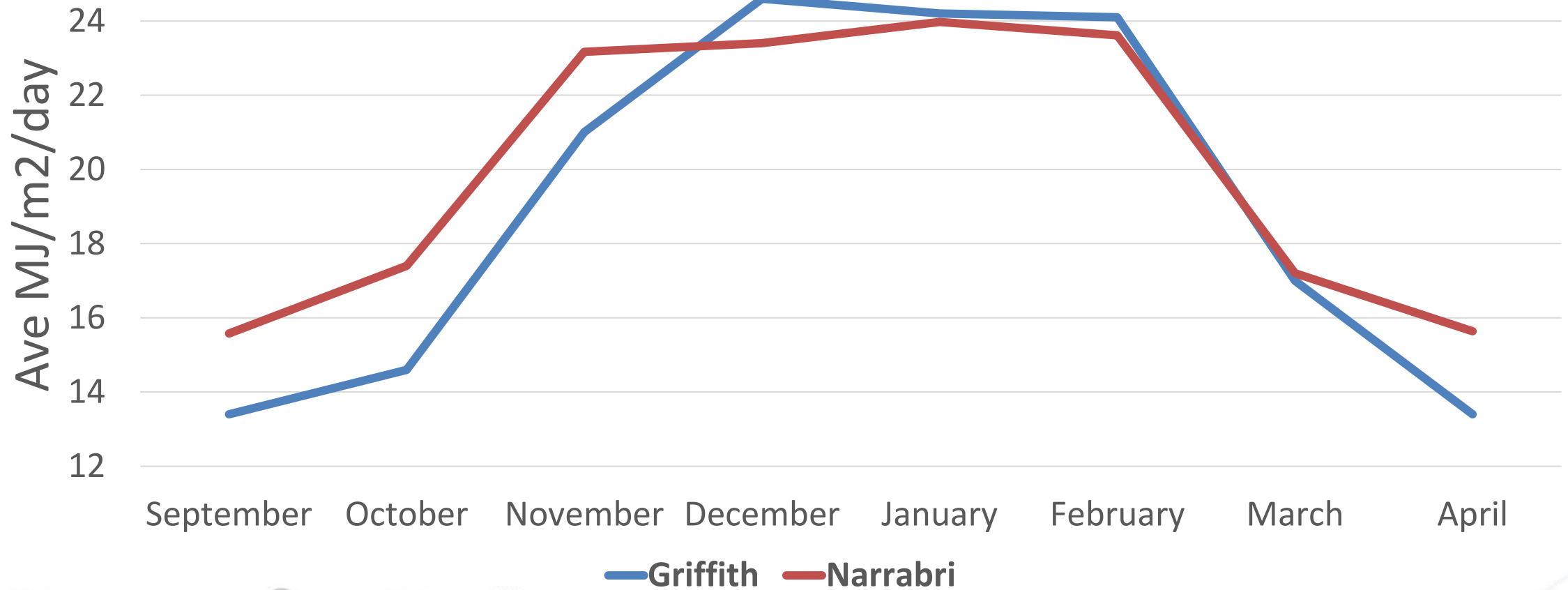
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# Sunshine this season



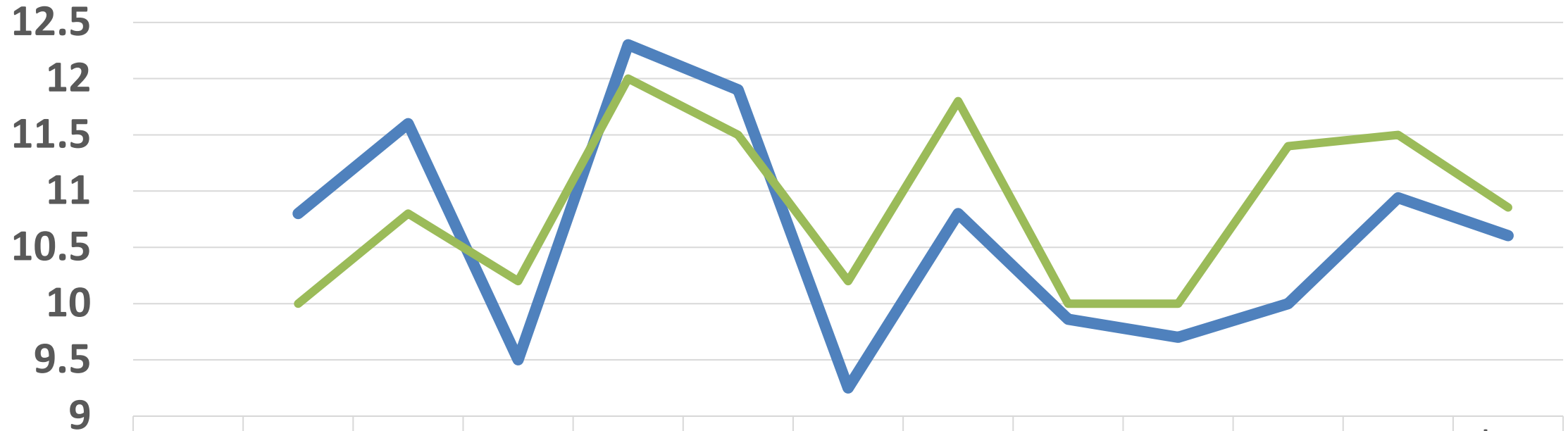
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## Irrigated cotton yields 2012-2022 (b/ha)



	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Long term
Southern NSW	10.8	11.6	9.5	12.3	11.9	9.25	10.80	9.86	9.70	10.00	10.94	10.60
#REF!	1											
National	10	10.8	10.2	12	11.5	10.2	11.8	10.0	10.0	11.4	11.5	10.85

— Southern NSW — National

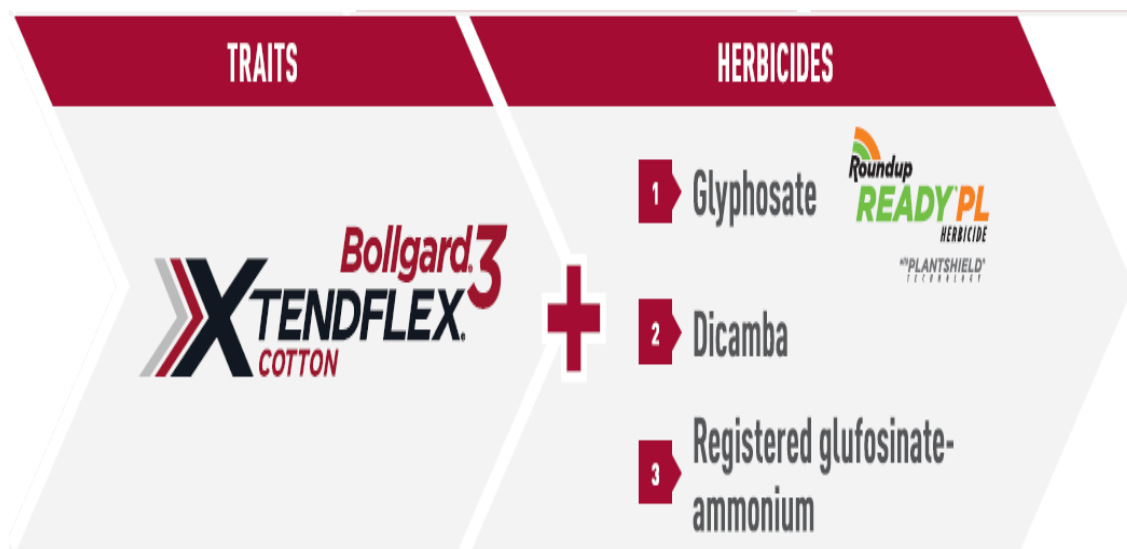


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# XtendFlex varieties 2023/24



- 50,000 ha
- 7 XtendFlex variety trials and Ambassador fields in the south.
- 10 growers allocated seed for a field.
- Training requirement

# XTENDFLEX® UPDATE



**CSX1049B3XF:** New germplasm, normal leaf, Normal density, often relatively compact determinate growth (though not always), has performed consistently well in dryland and sometimes in Southern irrigated. May also have fit in Northern Australia (Note: lower disease rank than other lines)

**CSX4133B3XF:** Full season, normal leaf, low density, broad adaptation, overall performance similar to Sicot 748B3F.

**CSX5438B3XF:** Full season, normal leaf, low density, has performed best from the Macquarie north. Need to be aware of the lower micronaire.

**CSX3141B3XF:** New germplasm, normal leaf, low density, resistant to CBT, has shown broad adaption, appears to have increased resistance to verticillium wilt (but need more data).

**CSX4389B3XF:** New germplasm, okra leaf, low density, resistant to CBT, broad adaptation but has performed best in high yielding full season sites, appears to have increase verticillium resistance (but need more data), need to be aware of lower micronaire.



# XTENDFLEX® UPDATE



GROWING  
BETTER  
SERIES

LINE	TRAITS	YIELD (rel. to Sicot 746B3F)		LP	LEN	STR	MIC	VRR	FRR
		Irrigated	Dryland						
CSX1049B3XF		99	106	41.5	1.24	31.6	4.3	92	103
CSX4133B3XF		101	101	44.1	1.23	29.9	4.2	110	125
CSX5439B3XF		99	102	42.5	1.29	30.1	3.9	102	122
CSX3141B3XF	CBT	103	102	43.5	1.26	31.5	4.2	118	139
CSX4389B3XF	OT, CBT	104	103	44.1	1.24	31.0	3.8	121	116



# CSIRO MIA XtendFlex trials mean 2020,21,22.

LINE	TRAITS	Yield Rel to Sicot746B3F	LP	LEN	STR	MIC
CSX1049B3XF		98	40.3	1.25	31	3.6
CSX4133B3XF		94	42.9	1.24	29.3	3.5
CSX5439B3XF		92	41.4	1.28	29.2	3.1
CSX3141B3XF	CBT	104	42.7	1.27	30.1	3.5
CSX4389B3XF	Okra, CBT	104	44.3	1.22	29.7	3.2

# CSIRO Lachlan XtendFlex trials mean 2021,22,23.

LINE	TRAITS	Yield b/ha	LP	LEN	STR	MIC
<b>CSX1049B3XF</b>		<b>16.27</b>	42.2	1.24	33.3	4.1
CSX4133B3XF		15.33	44	1.23	30.1	3.9
CSX5439B3XF		15.58	42.4	1.28	30.5	3.5
<b>CSX3141B3XF</b>	CBT	<b>16</b>	43.5	1.23	31.5	4.1
<b>CSX4389B3XF</b>	Okra, CBT	<b>16.36</b>	45.1	1.21	31.6	3.6



# GROWING BETTER SERIES MASTERING COTTON FORUMS



GROWING  
BETTER  
SERIES

1pm Thursday 14th September  
Bagtown Inn Griffith

For more details and to RSVP head  
to  
[www.csd.net.au/events](http://www.csd.net.au/events)

