



Macquarie bale up

FEBRUARY 2022

SEASON SUMMARY

The season has been progressing slowly in some respects. We are certainly behind the average in terms of accumulated day degrees, but we are also behind in a few of the more undesirable stats such as days above 40°C and nights above 25°C, which can also impact development. It has been quiet on the insect front and some farms are yet to have an insect spray. There is some movement back from our mousey friends on farms but nothing like last season's encounter.

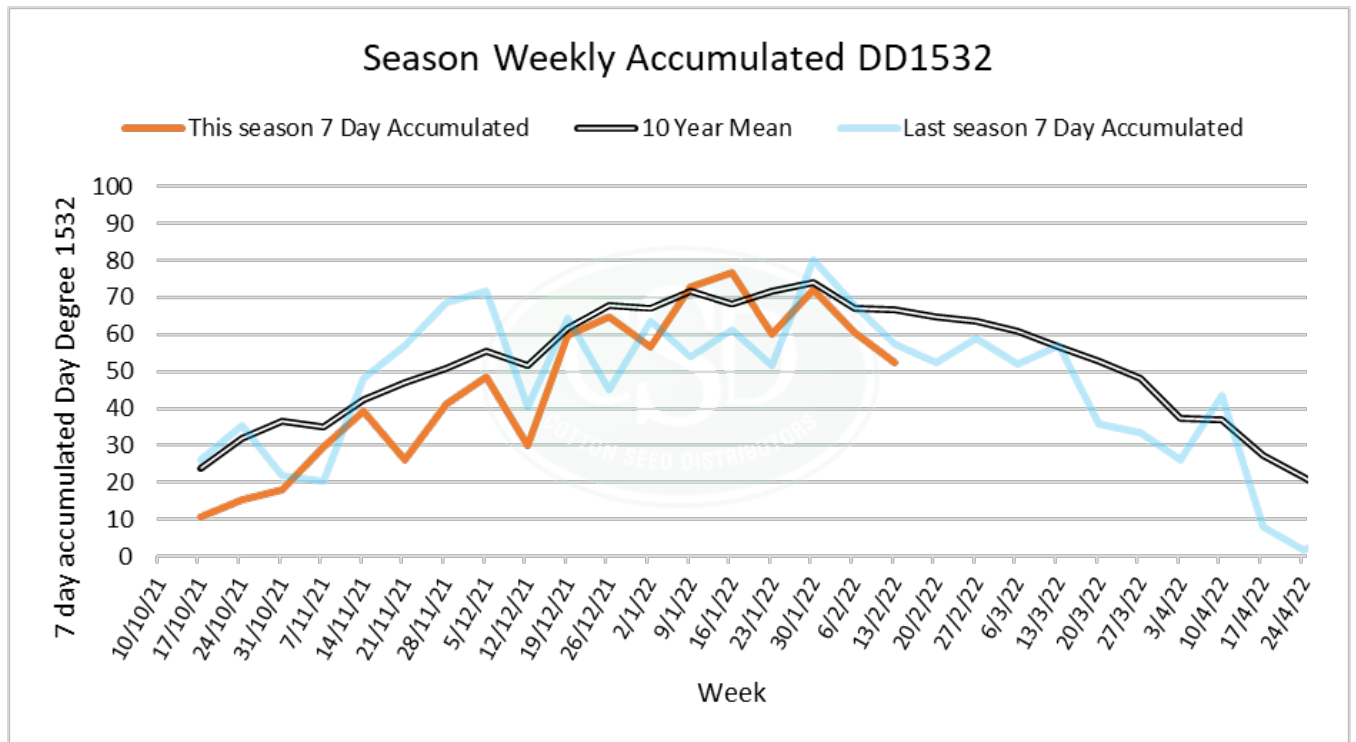


Fig 1: Day Degrees (7 Day intervals) Source: csd.net.au

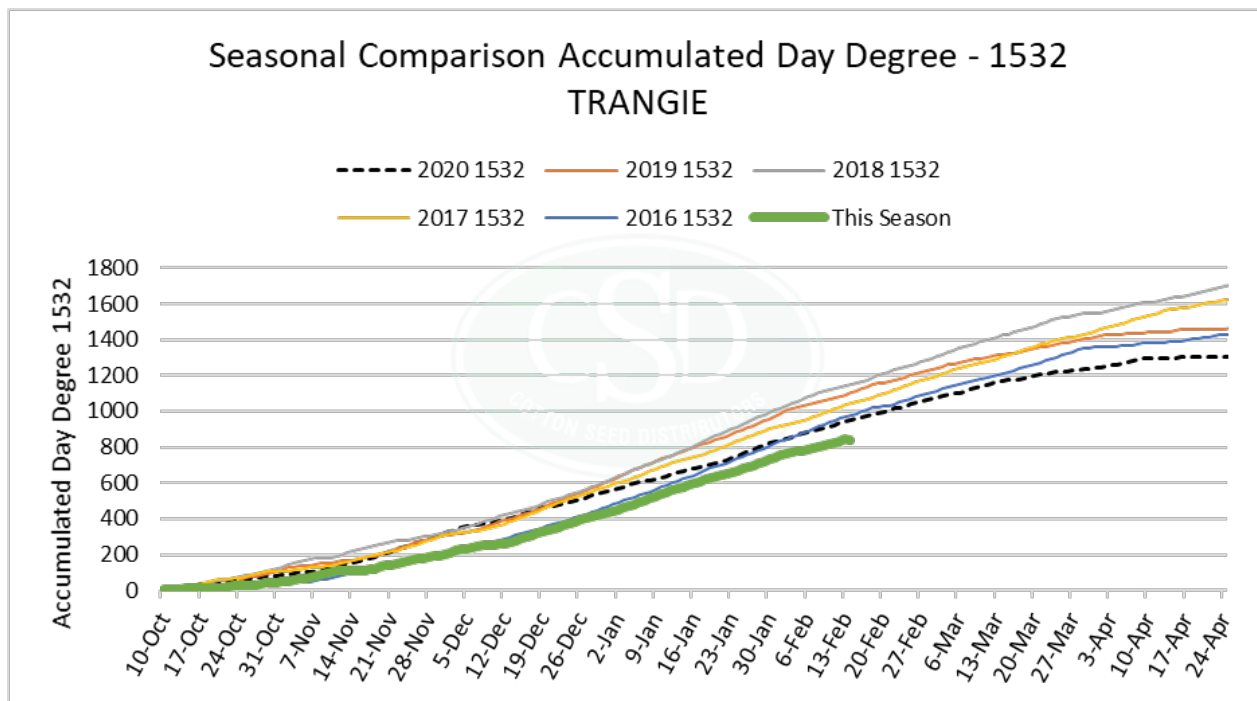


Fig 2: Accumulated Day Degrees (7-day intervals) Source: csd.net.au

	2021	2020	2019	2018	2017	10 year mean
Base 12	1387.4	1546.7 ▲	1808.3 ▲	1820.8 ▲	1689.7 ▲	1653.6 ▲
DD1532*	837.6	950.7 ▲	1102.7 ▲	1146.4 ▲	1042.3 ▲	1013.2 ▲
Cold shock days (≤ 11°C)	21	16 ▼	17 ▼	6 ▼	13 ▼	16.0 ▼
Days above 36°C	13	25 ▲	45 ▲	52 ▲	37 ▲	35.9 ▲
Nights above 25°C	0	1 ▲	9 ▲	16 ▲	6 ▲	5.4 ▲
Days above 40°C	0	5 ▲	23 ▲	20 ▲	14 ▲	10.5 ▲
Total rainfall (mm)	270.6	275.6 ▲	126.8 ▼	190.9 ▼	213.7 ▼	177.6 ▼
Total radiation (MJ/m ²)	2664.6	2932.8 ▲	2984.5 ▲	3059.7 ▲	3116.6 ▲	2748.9 ▲
Average temperature (°C)	22.4	23.9 ▲	25.9 ▲	26.1 ▲	25.1 ▲	24.7 ▲

* Experimental calculation.

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 on this website or from any errors or omissions on this website.
Climate observations and data are obtained via the State of Queensland SILO patched point dataset.

Fig 3: Season Summary Source: csd.net.au

DISEASE UPDATE

The last two weeks have seen an increase in disease symptoms expressed in crops. With more back-to-back crops, cooler conditions and extended wet periods it has not come as surprise. I have pulled some resources together as reminder that different pathogens have different management solutions. Thought should be given to this at the end of the season and when planning for rotations.

VERTICILLIUM WILT

Here are links to latest information on [Verticillium Wilt](#). Knowing what strain and pathogen is very important, as there are a range of different management strategies. Pick your disease block last if possible and aim to ensure that crop destruction occurs soon after picking to reduce the build-up of the inoculum. In fields where Verticillium wilt is present, the incorporation of cotton residues soon after harvest is beneficial as it allows for the rapid breakdown of plant material. Raking and burning the whole field is NOT recommended as raking is likely to spread the pathogen (if present).

Here are some helpful videos [Verticillium](#).

FUSARIUM WILT

If you suspect you have this disease, please follow the steps on the fact sheet below. After harvest, root pull and retain crop residues on the surface for at least a month prior to incorporation. Raking and burning the whole

field is NOT an option as raking is likely to spread the pathogen (if present).

<https://www.cottoninfo.com.au/sites/default/files/documents/Fusarium%20Wilt.pdf>

BLACK ROOT ROT

Year-round planning is key to managing this early-season disease. The industry is still working towards breeding tolerance to this pathogen, but this can take a long time. However, there are some management options that can help.

<https://www.cottoninfo.com.au/publications/managing-black-root-rot>

REOCCURRING WILT

It might be the new kid on the block but you don't want this little fella to come to your place!

<https://www.cottoninfo.com.au/publications/disease-reoccurring-wilt-ute-guide>

Remember to go to [Disease management | CottonInfo](#) for further info and if you see something try and [send off a sample](#)

When it comes to disease, prevention is better than cure, so work hard to protect your farm and make sure you have the right measures in place.

<https://www.cottoninfo.com.au/publications/come-clean-go-clean>



SOS NSW invite you to hear about a new spray application technology MagGrow

DATE: Tuesday 22nd February 2022

Time: 1pm – 1:30pm

<https://us02web.zoom.us/j/88531333105?pwd=ZmkxRHl5VUtySjhSQ2RreWM0MFFuUT09>

Meeting ID: 885 3133 3105

Passcode: 898687

Overview

MagGrow is a patented, proprietary spray technology that significantly reduces waste associated with conventional pesticide applications.

The MagGrow system improves coverage by 20%+ while reducing drift by up to 70%. The system has no moving parts, is easy to install and maintain, and can be fitted to a new or existing boom sprayer.

MagGrow recently won the Thrive Bayer Sustainable Scaleup award 2021.

Please find some information videos below:

- MagGrow company
video: <https://www.youtube.com/watch?v=-FFYVO-Zfk>
- MagGrow spray droplet
video: <https://www.youtube.com/watch?v=ZbH34fD1xOw>
- Cotton grower, Fate Sparrow, GA, USA: <https://www.youtube.com/watch?v=TB-BuF6HLT4>
- Spray contractor, Andrew Kennedy, Mt Gambier, South Australia: <https://www.youtube.com/watch?v=fWWC94f7LVQ>

Annette McCaffery

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WHATS ON....

MCGA COTTON AWARDS NIGHT

Date: Thursday, 10TH March

Time: 6.30pm

Location: Macquarie Inn Dubbo

<https://www.123tix.com.au/events/30768/macquarie-cotton-growers-awards-night-2022>

Tickets include canapes, 2 course meal, dessert platters to share and of course drinks. Accommodation packages are available too - see attached for details and remember to mention the MCGA Awards Night when booking!

ROUNDUP XTEND SPRAY APPLICATOR TRAINING SESSION

Bayer in conjunction with Craig & Cath Day will be holding a in **WARREN ON MONDAY 21ST FEB AND NARROMINE ON TUESDAY 22ND Feb**. If you or anyone you know will be involved in growing Roundup Xtend cotton varieties next season, then we would encourage you to attend one of these events. Anyone involved in the application of the Roundup Xtend herbicides must undergo this training as part of the product stewardship requirements. There are a maximum of 20 spots available for each event and you will need to register for these free training sessions using the link below.

Dates & locations for future events are also listed via the link.

<https://web.cvent.com/event/accbd9d9-b0a5-4872-ac00-ba1207ab13fb/regProcessStep1:b5630c3d-f727-4f25-a486-8806c4797377?rp=7a88da5e-028d-4921-bcc8-97cd3a14049b>

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Cheers Amanda

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NOTICE: This email and any attachments are confidential to Cotton Seed Distributors Ltd. If you are not the intended recipient, you are not authorized to use or disclose this email or the attachments or any information in them; please tell the sender immediately by return email that you have received the email in error and delete the email and its attachments from your computer.