

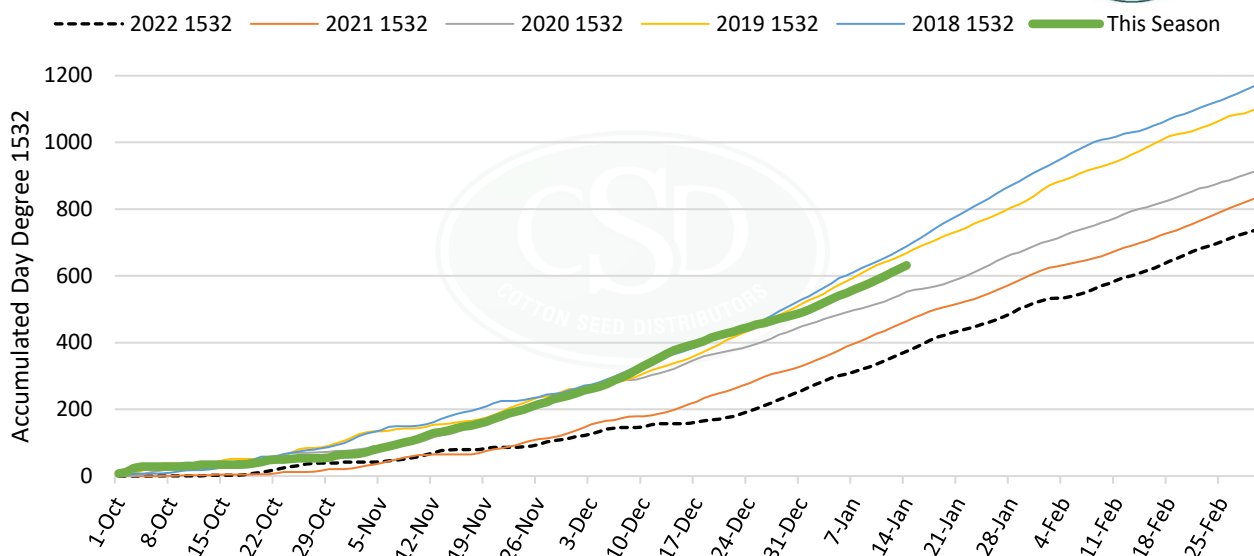


# Macquarie crop check

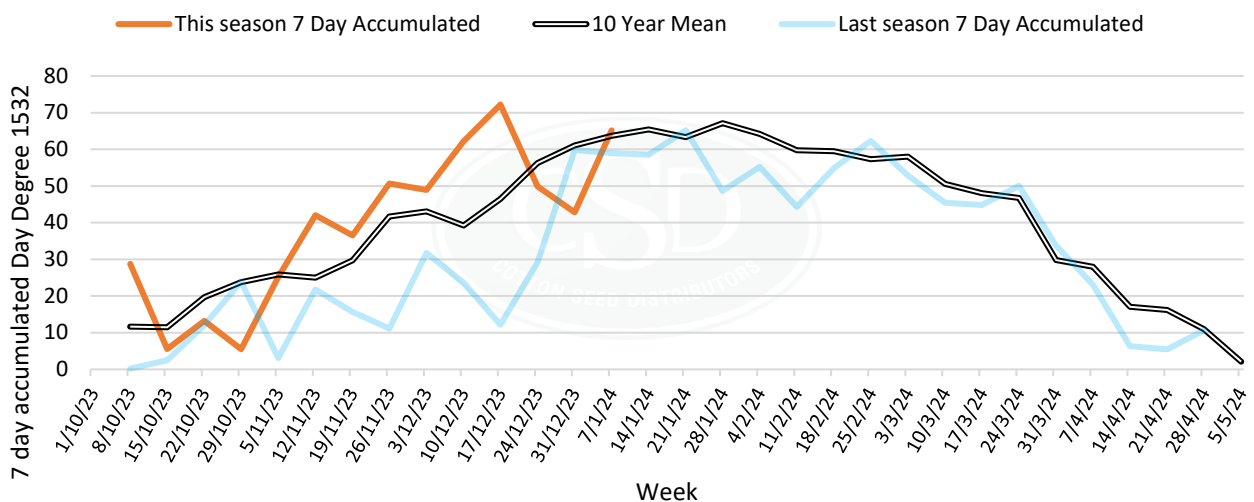
**DATE – Monday 15<sup>th</sup> Jan 2024**

Please note Day Degree Calculations are in 1532 format to better reflect the DD the plant can use. Please email me with any questions or further information you would like to see. Based on the 1<sup>st</sup> of October planting

## Forbes Seasonal Comparison Accumulated Day Degree - 1532



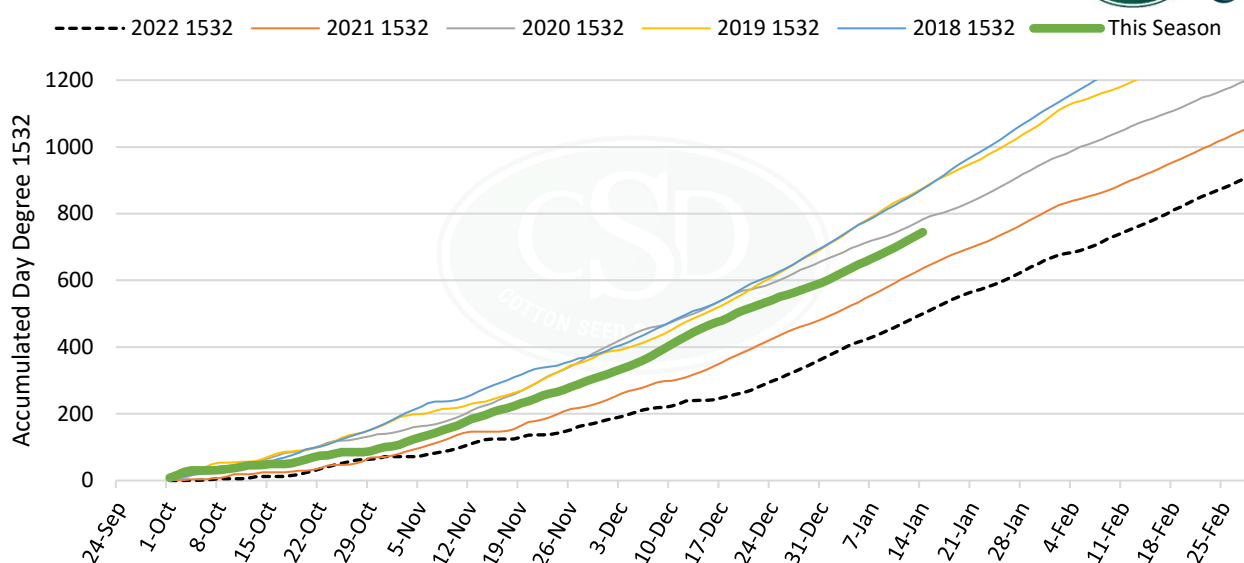
## Forbes Season Weekly Accumulated DD1532



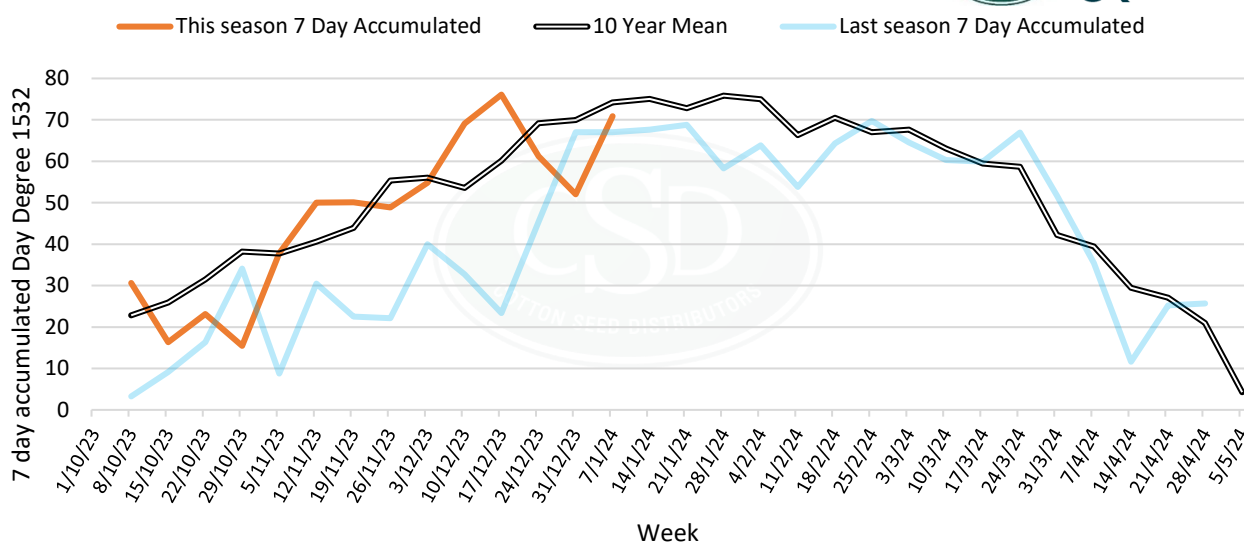


# Macquarie crop check

Narromine Seasonal Comparison Accumulated Day Degree - 1532



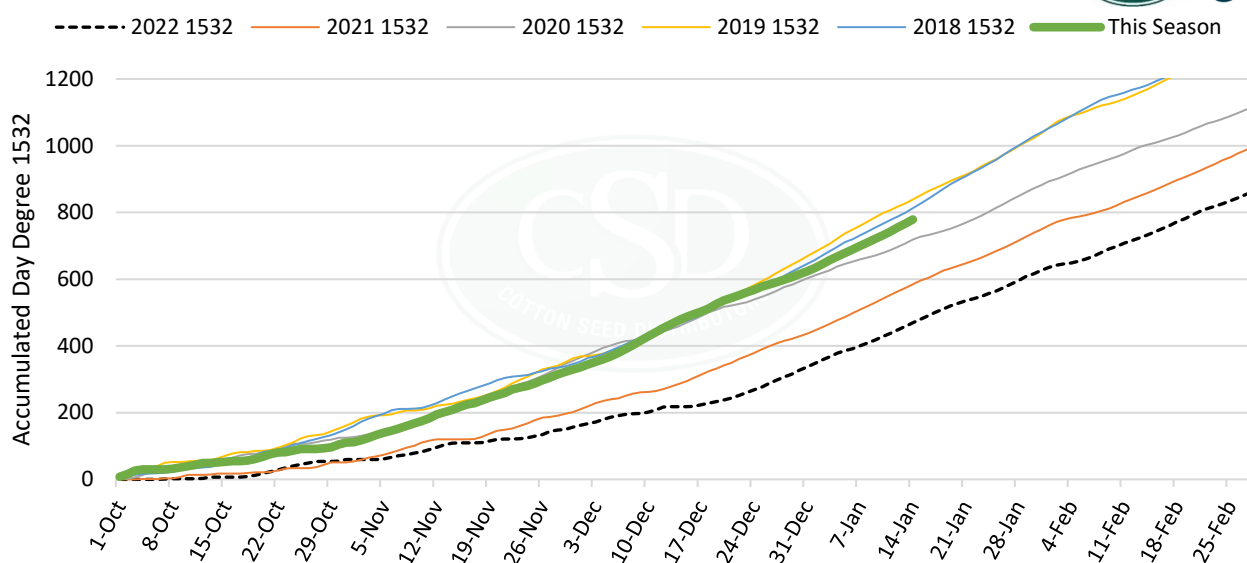
Narromine Season Weekly Accumulated DD1532



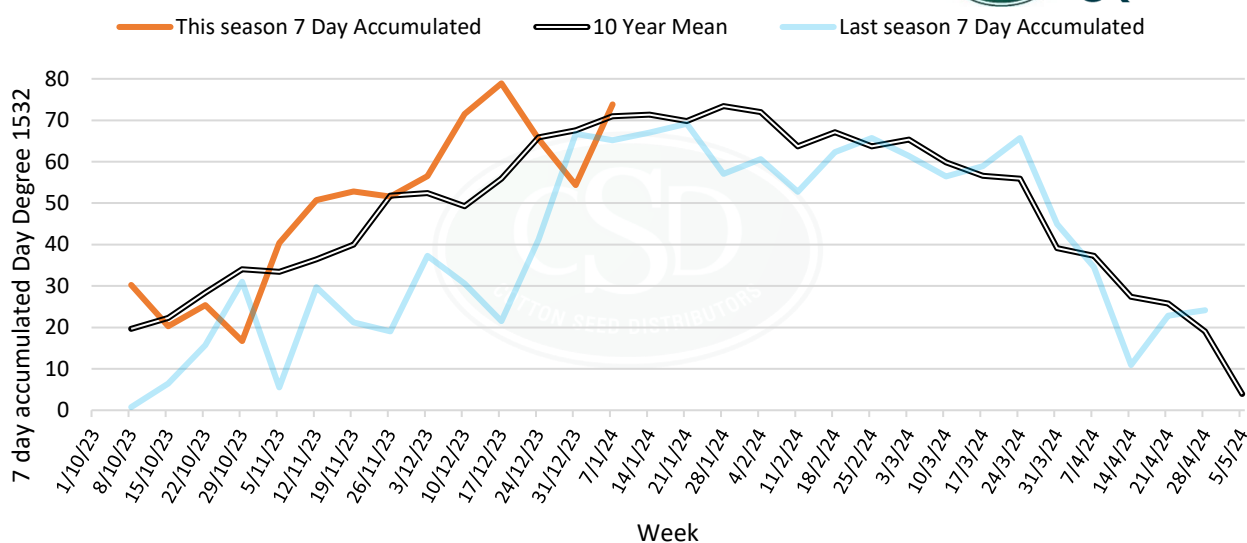


# Macquarie crop check

Trangie Seasonal Comparison Accumulated Day Degree - 1532



Season Weekly Accumulated DD1532

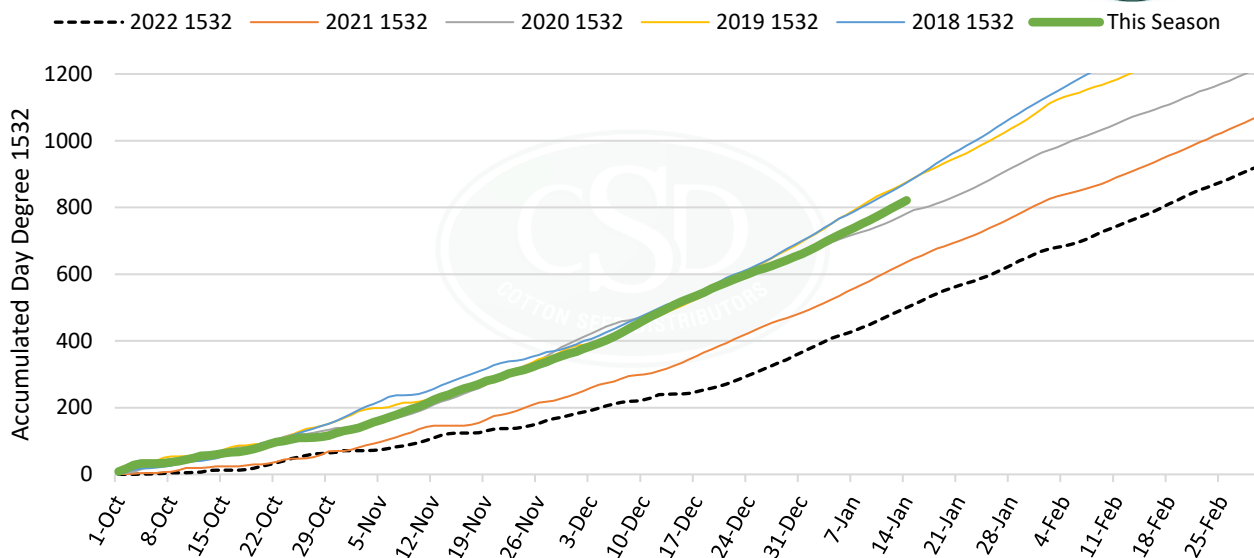




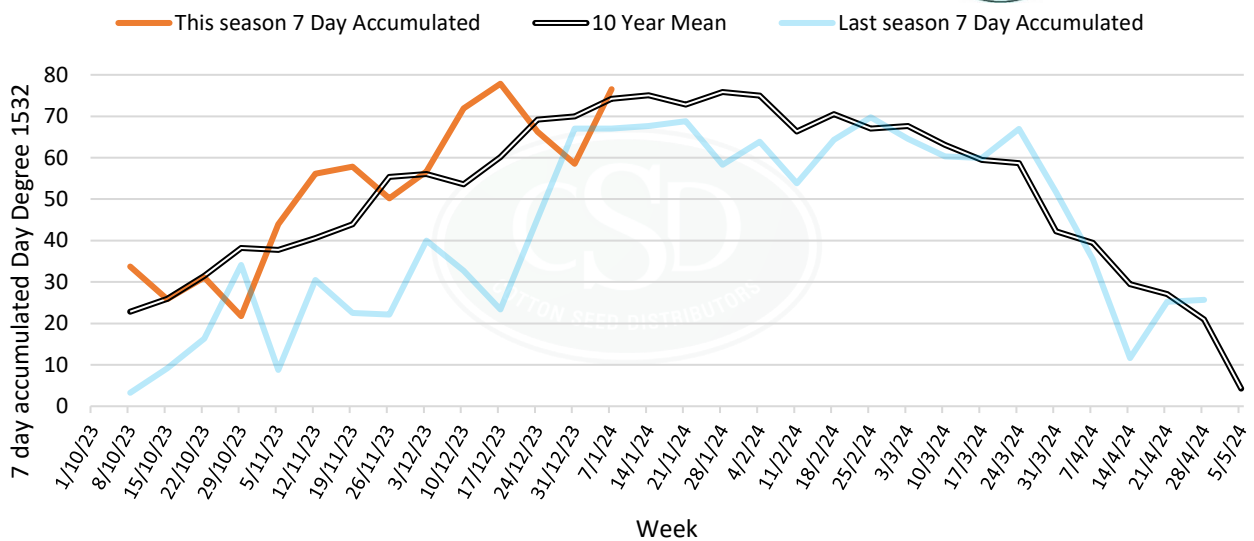


# Macquarie crop check

Warren Seasonal Comparison Accumulated Day Degree - 1532



Warren (Mumblebone ) Season Weekly Accumulated DD1532



Seasonal Day Degree and historical data sourced from Cotton Seed Distributors Day Degree Calculator found at [www.csd.net.au/ddc](http://www.csd.net.au/ddc). For more specific day degree and crop management detail for your farm, field and variety check out CottonTracka® at [www.cottontracka.com.au](http://www.cottontracka.com.au)



# Macquarie crop check

AREA	MACQUARIE - Trangie Nevertire Warren Narromine Forbes
Crop Stage	<ul style="list-style-type: none"> <li>10 – 16 nodes 20- 60 cm (Forbes)</li> <li>13 – 18 Nodes (Narromine)</li> <li>Averaging 18 nodes 3<sup>rd</sup> week of flowers (Trangie)</li> <li>8-9 NAWF 60cm in height</li> </ul>
Water use	<ul style="list-style-type: none"> <li>Lots of rain just starting to irrigate again on fields that had the rain (Forbes)</li> <li>Completed the 3<sup>rd</sup> and starting the 4<sup>th</sup> for earlier planted cotton.</li> <li>3<sup>rd</sup> irrigation to start after the last change.</li> <li></li> </ul>
Insects/Beneficial	<ul style="list-style-type: none"> <li>Recently completed 1<sup>st</sup> Mirid spray and numbers have dropped significantly. High retention 96%+. Rutherglen nymphs now under control (Forbes)</li> <li>Just starting to see green mirids in some fields – nymphs and adults.</li> <li>Generally, very low, odd field reaching Mirid threshold that requires spraying (Trangie)</li> <li>Brown Shield bugs or Brown stink bugs are starting to build in numbers across the valley particularly in river country with remnant vegetation surrounding. See below for information on BSB please call if you think they are becoming a problem.</li> </ul>
Weeds	<ul style="list-style-type: none"> <li>Populations are low with new germination after the rain main weed is sow thistle (Forbes)</li> <li>Generally good control. Glyphosate resistant Barnyard starting to show in a few fields.</li> <li>Windmill grass causing issues with little control from Clethodim</li> </ul>
Comments	<ul style="list-style-type: none"> <li>Unfortunately, &amp; disappointingly all fields now have varying levels of herbicide damage. Bolls in the XtendFlex cotton are starting size up with some early 5 lock bolls. (see pic below)</li> <li>Sicot606BRF fruit loading holding crop balance in check, cutting itself out in places.</li> <li>Retention is still extremely high. Will be challenging to keep NAWF reducing too quickly.</li> <li>Still a few fields where long fallow disorder and or poor seedling growth are still evident. Sicot 748BRF is still stands out as the most consistent variety.</li> <li>Crop progressing nicely around the 18-19<sup>th</sup> node.</li> <li>Wide spread evidence of off target herbicide damage is evident throughout the valley please remember to log this on the Cotton Australia app <a href="https://www.snapsendsolve.com/">https://www.snapsendsolve.com/</a></li> </ul>





# Macquarie crop check

\*\*Brown Shield bugs

## Brown shield bug

*Dictyotus caenosus*

Moderate PEST



Smaller than GVB - often confused with glossy shield bug

## Brown shield bug

*Dictyotus caenosus*

Moderate PEST



Fourth instar nymphs



Brown shield bug adult

© J. Wessels, Queensland Government



Brown shield bug egg rafts

© H. Brier, Queensland Government



Brown shield bug 4th instar nymph

© H. Brier, Queensland Government

We will have some comms come out about BSB this week following some discussions with APVMA and researchers.





# Macquarie crop check

## Monitoring and thresholds

- Beat sheeting is the preferred sampling method.
- Sample early to mid-morning when bugs are more likely to be at the top of the crop.
- Look for the distinctive egg rafts, which indicate the presence of BSB.

Podsucking bugs other than GVB are converted to GVB equivalents, and decisions are made based on the GVB thresholds. An [online calculator](#) for mungbean and edible soybean is available at the Beatsheet.

## Natural enemies

Spiders, ants, and predatory bugs are major predators of BSB eggs and young nymphs, with mortality sometimes exceeding 90%.

Eggs may be parasitised by the tiny wasp *Trissolcus basalis*.



XtendFlex Cotton @ Forbes and herbicide off target drift (Cameron Corke)





**Information** when you need it



# Macquarie crop check

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