



Macquarie crop check

DATE – 23rd March 2023

Fig 1: Trangie accumulated DD 10th of October planting.

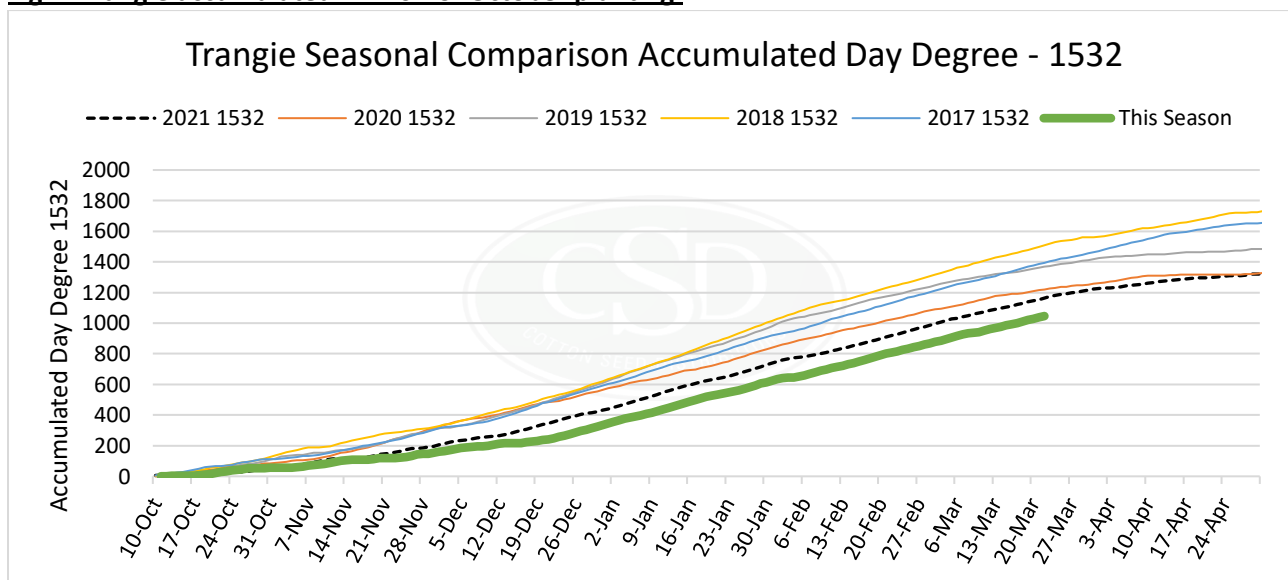
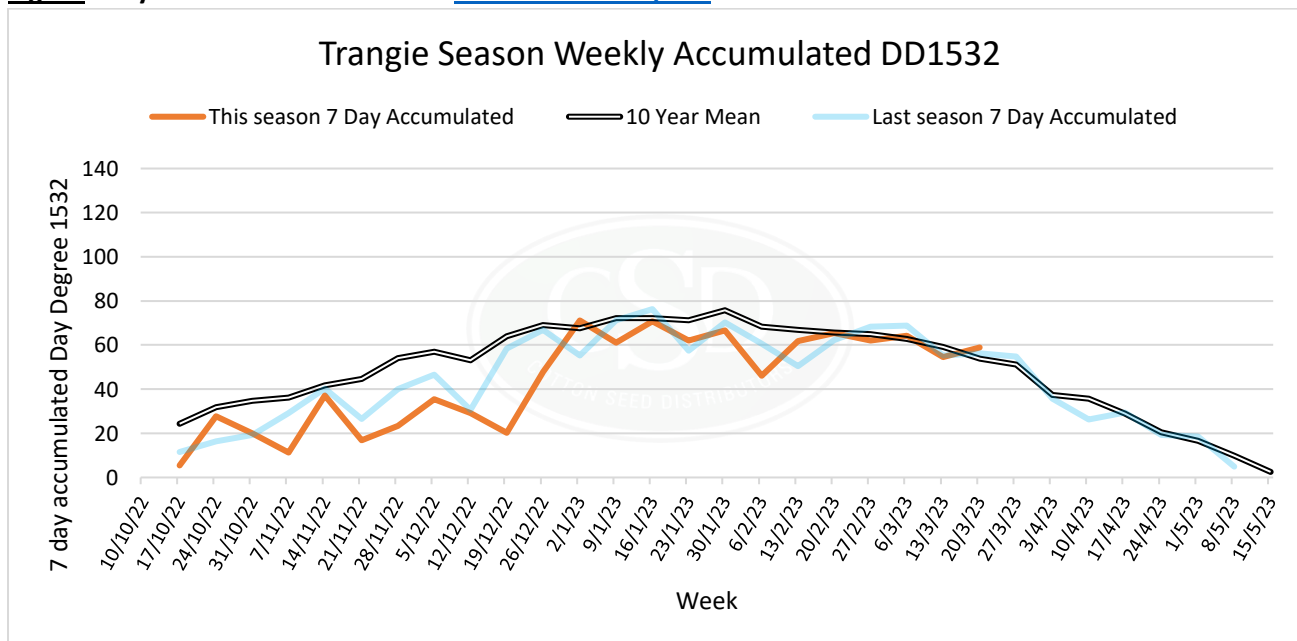


Fig 2 : 7 day accumulated DD Source www.csd.net.au/ddc





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Fig 3: 7 day accumulated DD Source www.csd.net.au/ddc

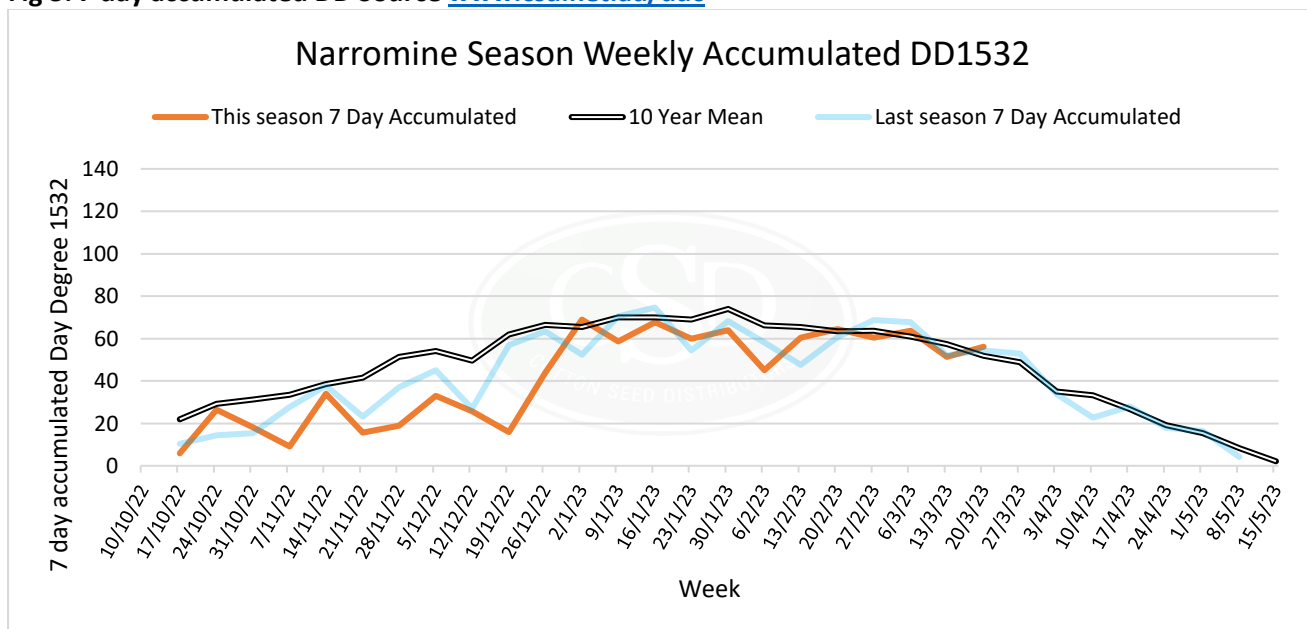
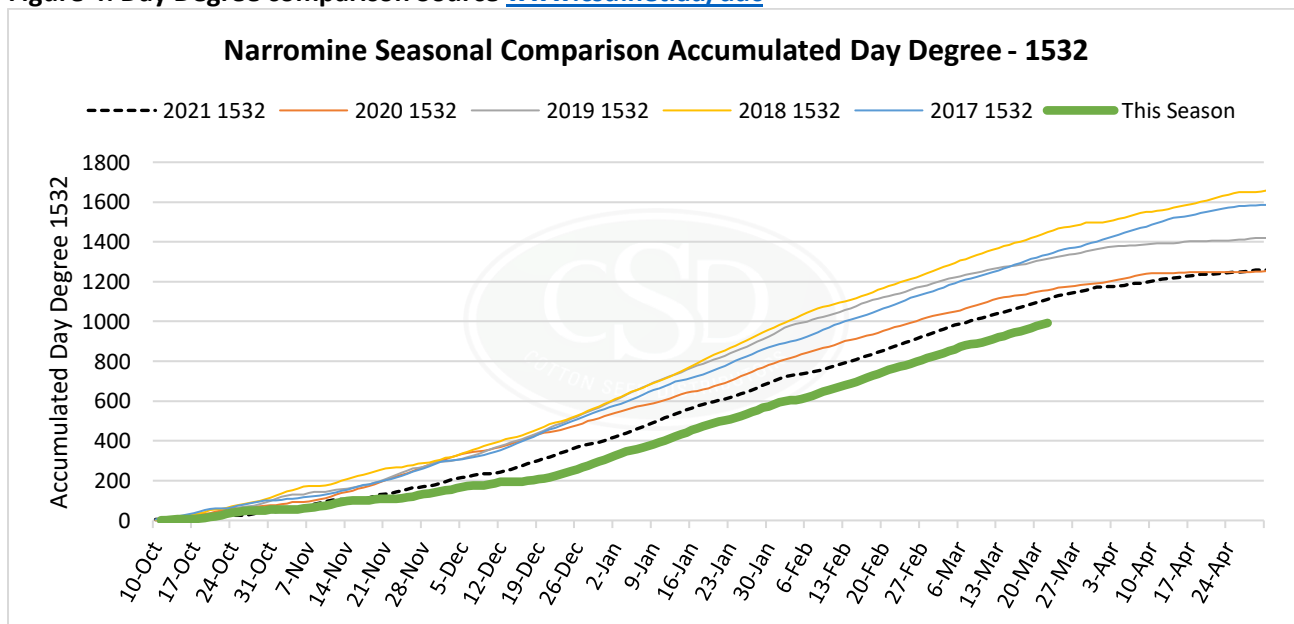


Figure 4: Day Degree comparison Source www.csd.net.au/ddc





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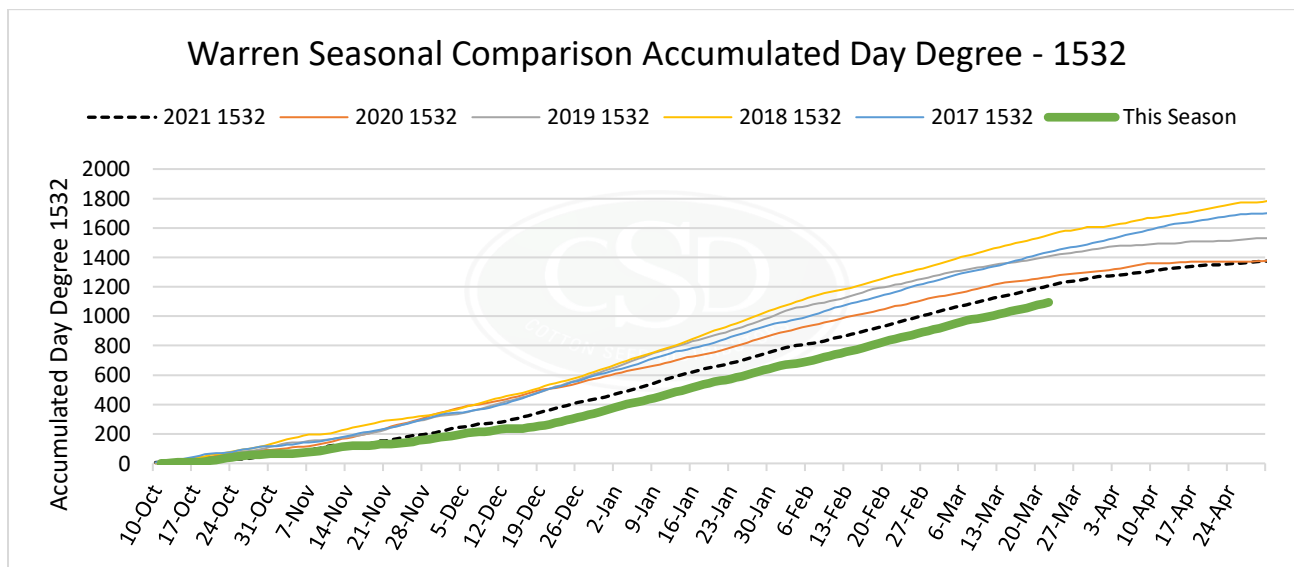


Figure 5: Day Degree comparison Source www.csd.net.au/ddc

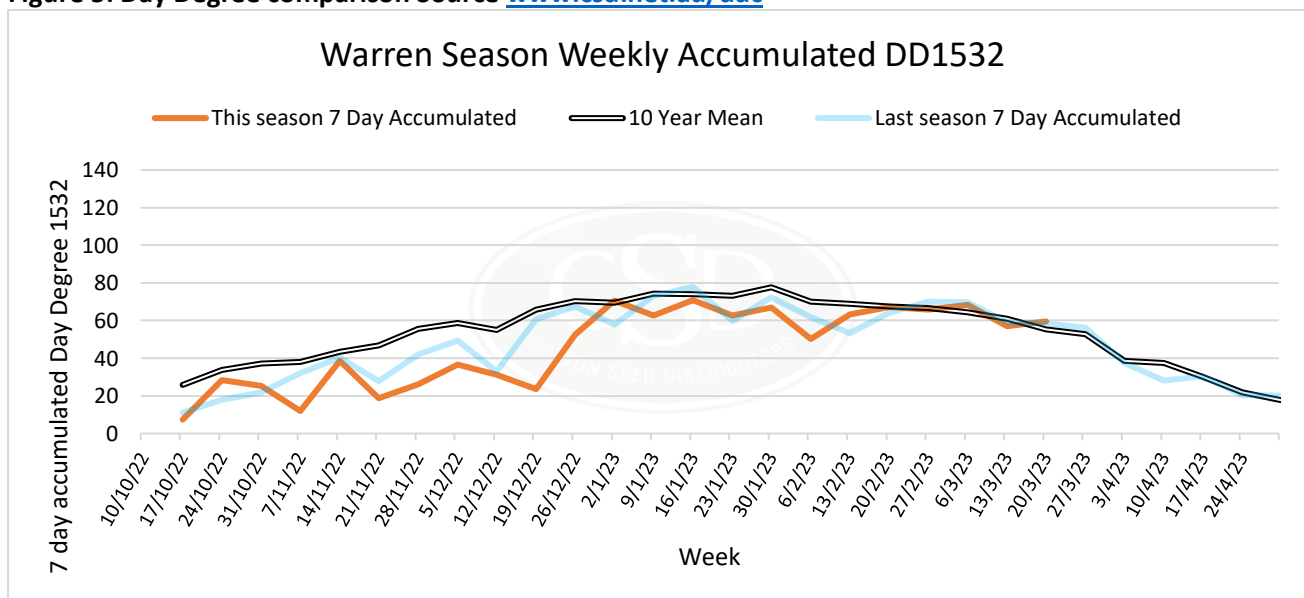


Fig 6: 7 day accumulated DD Source www.csd.net.au/ddc

Seasonal Day Degree and historical data is sourced from Cotton Seed Distributors Day Degree Calculator found at 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



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AREA	MACQUARIE - Trangie Nevertire Narromine Warren
Crop Stage	<ul style="list-style-type: none"> • 22 – 24 Nodes • 20 – 22 Nodes • Early crops getting first defoliation north end of the valley. • 4 – 6 NAWF 80-120cm tall • 5 – 11 Nodes above cracked boll
Irrigation	<ul style="list-style-type: none"> • Warren – have had or getting final irrigation now. • Trangie – Final irrigation happening now. • Narromine – last water happening now
Insects/Beneficial	<ul style="list-style-type: none"> • Few Scattered patches of mites – strawberry mites • Some aphids present in patches. • GVB has been persistent this season seems to come in waves. • Few Brown Shield bugs about • SLW present in low numbers
Disease	<ul style="list-style-type: none"> • Wilt has started to occur in some cotton fields – • Suspected Verticillium has been found in multiple fields across the whole valley. • Some field with high boll load has shown heavy vert pressure expressing in plants
Comments	<ul style="list-style-type: none"> • Last 10 weeks have been great for stacking bolls on but hope there are not any frosts in May. • Current conditions are looking good for defoliation window • Pigs and mice are problematic in areas – perimeter baiting for mice might happen once all lower bolls are open



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Resistance monitoring has been occurring across the valley and here are few pics from the [Apexel smartphone microscope](#) I am using. Most populations we sampled were a mix of Greenhouse whitefly *Trialeurodes vaporariorum* and Silverleaf whitefly ((*Bemisia tabaci* MEAM1 (B-Biotype))). This is the second year in a row I have noticed that SLW has not been the predominate species in the populations I have sampled. Here is link to a great CottonInfo resource that has all you need to know about managing whitefly <https://www.cottoninfo.com.au/sites/default/files/documents/SLW%20booklet%20-%20May%202018.pdf>



Emerged case of Silverleaf whitefly *Bemisia tabaci*



Emerged and Nymph stage of Greenhouse whitefly *Trialeurodes vaporariorum*.



Strawberry Spider mite – was the most common mite I have spotted this season during the resistance monitoring. I have also found quite a few aphid populations. It has been good to use a hand held microscope



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in the paddock (or front seat of the Ute) to work out exactly what species you have present. If anyone would like to borrow or try the lens just give me a call or collect some leaves and drop them in and ill send you some pics. I also have a Microscope available if anyone needs it.



Pig and mice damage in cotton crops

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