



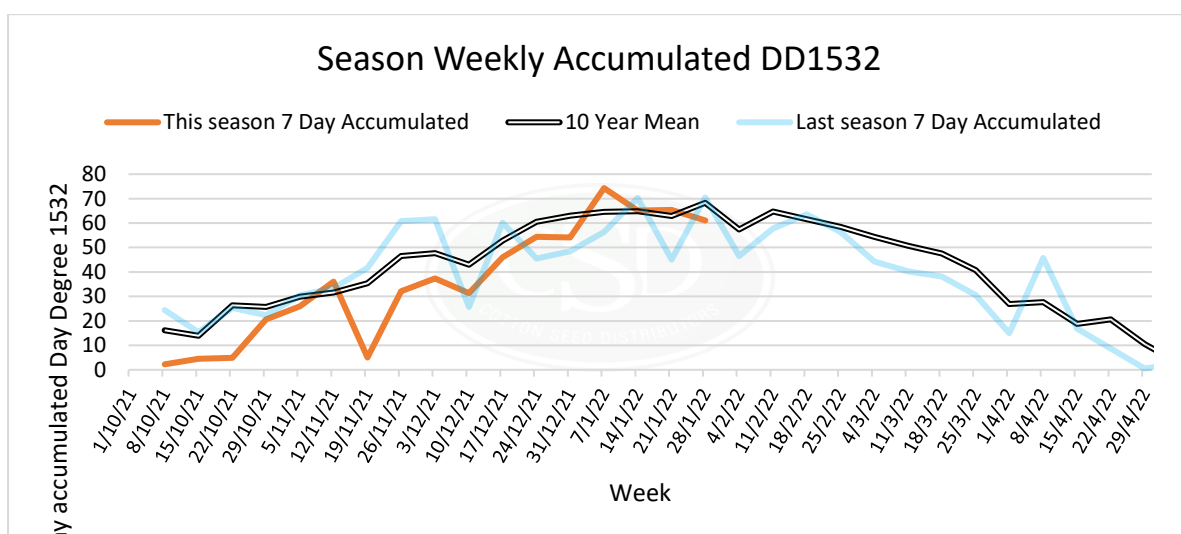
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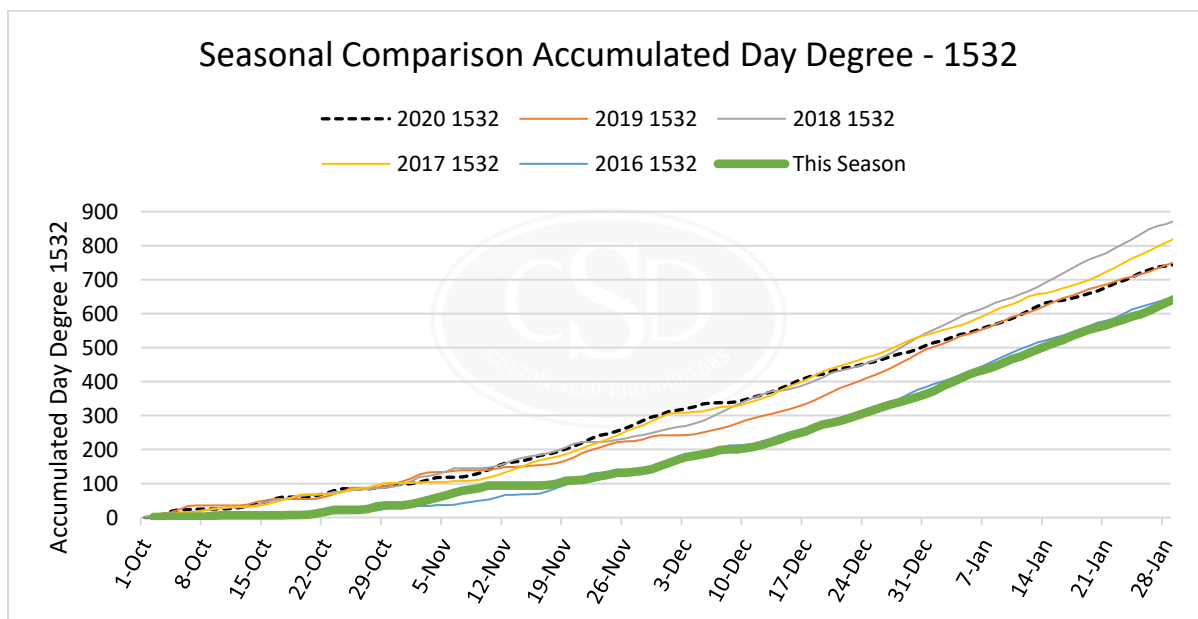
Southern NSW crop check

28th January 2022 Griffith 643 1532 DDs (84 % of average)

Season Weekly Accumulated DD1532



Seasonal Comparison Accumulated Day Degree - 1532



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Southern NSW crop check

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GRIFFITH AIRPORT AWS

Date range: 1 October, 2021 to 29 January, 2022 (121 days).

Download

Summary Seasonal comparison

	2021	2020	2019	2018	2017	10 year mean
Base 12	1161.6	1306.0 ▲	1389.9 ▲	1519.8 ▲	1429.4 ▲	1352.8 ▲
DD1532*	643.5	745.3 ▲	751.2 ▲	872.7 ▲	821.2 ▲	760.6 ▲
Cold shock days ($\leq 11^{\circ}\text{C}$)	38	28 ▼	40 ▲	32 ▼	26 ▼	33.6 ▼
Days above 36°C	8	19 ▲	31 ▲	35 ▲	26 ▲	23.2 ▲
Nights above 25°C	1	3 ▲	6 ▲	15 ▲	7 ▲	5.5 ▲
Days above 40°C	1	8 ▲	13 ▲	20 ▲	7 ▲	8.6 ▲
Total rainfall (mm)	307.2	149.8 ▼	62.8 ▼	133.2 ▼	192.8 ▼	135.7 ▼
Total radiation (MJ/m^2)	2542.3	2840.3 ▲	2876.3 ▲	2820.5 ▲	2786.5 ▲	2589.1 ▲
Average temperature ($^{\circ}\text{C}$)	20.9	22.4 ▲	22.8 ▲	24.2 ▲	23.4 ▲	22.6 ▲



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Southern NSW crop check

AREA	Southern Valleys
Crop Stage	<ul style="list-style-type: none"> 17-23 nodes. Majority will end up at 21 nodes 5 - 8 NAWF
Irrigation	<ul style="list-style-type: none"> Rain events upsetting irrigation timings
Insects/Beneficials	<ul style="list-style-type: none"> Reports of mirids flaring in some crops A few adult whitefly appearing
Weeds	<ul style="list-style-type: none"> Most crops now at row closure and few weed problems
Disease/Environmental	<ul style="list-style-type: none"> Humid conditions leading to quick vegetative growth Some boll shed with cloudy weather
Comments	<ul style="list-style-type: none"> Majority of cut out sprays applied Fruit loads and retentions are very good

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Darling Downs crop check

DATE – Friday 14 January & 28 January 2022 (cc4/5)

AREA	Darling Downs
Crop Stage	<ul style="list-style-type: none"> • 4-23 nodes • Irrigated peak flowering • Dryland early/mid flowering – cutout • Some very late crops • 5-8 NAWF • Some advanced fields have cutout
Irrigation	<ul style="list-style-type: none"> • Laterals running flat out • Needing water sooner than first thought • Up to three irrigations already done in some areas but some have just done their first • 7-14 day intervals
Insects/Beneficial	<ul style="list-style-type: none"> • Spiders, lacewings, beetles, ADB • Mirid numbers increasing • Heliothis patchy • Aphids building • Whitefly about in low numbers but building in older crops • Cryptolaemus numbers on the rise • BVB's and brown stick bugs about • Jassids around • Good beneficial numbers • Control may be needed in some blocks soon
Weeds	<ul style="list-style-type: none"> • Leftover BYG, peachvine and FTRG from roundup sprays • Consistent after irrigation or rain • Good control with either roundup or cultivation • All the regulars – FTRG, peachvine, fleabane, BYG, bellvine, bladder ketmia • Qld bluegrass in dryland blocks
Disease	<ul style="list-style-type: none"> • Fusarium and Vert • Bunchtop • F & V in paddocks with existing problems

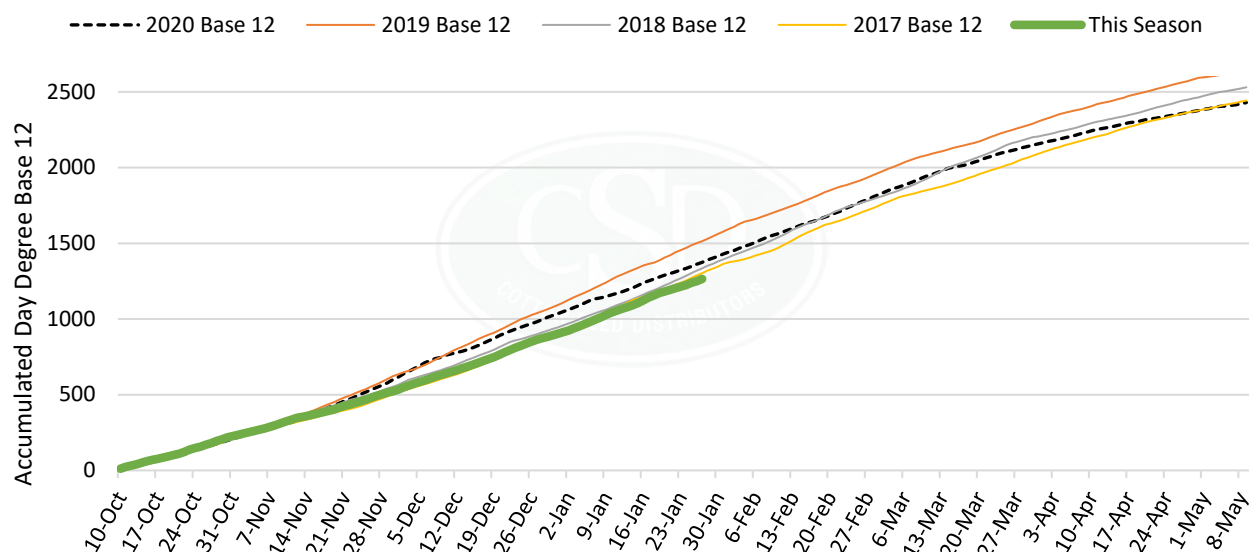


Darling Downs crop check

Comments

- root systems are shallow this season thanks to the early rain
- some paddocks have 4-5 NAWF
- K def in some blocks
- 2 weeks behind in some fields
- Side dressing with N. Deficiency showing up in blocks with early waterlogging
- Some crops cutting out early
- Excellent retention
- Minimal shedding from cloudy weather last week
- Hormone drift about
- Dry the last 6 weeks, mild conditions
- Some lower fruit loss due to weather and mirids where sprays have been delayed. Crops however loading back on top.
- Really good early boll set but losing some positions now due to weather. Crop is well set up if we can get clear weather and some good heat units till the end

Seasonal Comparison Accumulated Day Degree - Base 12





Information when you need it



Darling Downs crop check

DALBY AIRPORT

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Date range: 10 October, 2021 to 27 January, 2022 (110 days).

Summary

Seasonal comparison

	2021	2020	2019	2018	2017	10 year mean
Base 12	1264.6	1375.3 ▲	1514.6 ▲	1334.5 ▲	1303.6 ▲	1364.6 ▲
DD1532*	832.1	878.1 ▲	930.6 ▲	859.4 ▲	830.5 ▼	870.2 ▲
Cold shock days ($\leq 11^{\circ}\text{C}$)	8	9 ▲	13 ▲	4 ▼	10 ▲	8.6 ▲
Days above 36°C	1	20 ▲	40 ▲	15 ▲	10 ▲	16.8 ▲
Nights above 25°C	0	0	0	0	1 ▲	0.3 ▲
Days above 40°C	0	4 ▲	3 ▲	0	0	1.5 ▲
Total rainfall (mm)	459.8	225.8 ▼	119.8 ▼	295.0 ▼	228.3 ▼	229.4 ▼
Total radiation (MJ/m^2)	2185.0	2365.5 ▲	2680.2 ▲	2535.2 ▲	2586.1 ▲	2274.9 ▲
Average temperature ($^{\circ}\text{C}$)	23.4	24.4 ▲	25.5 ▲	24.1 ▲	23.7 ▲	24.3 ▲

* Experimental calculation.

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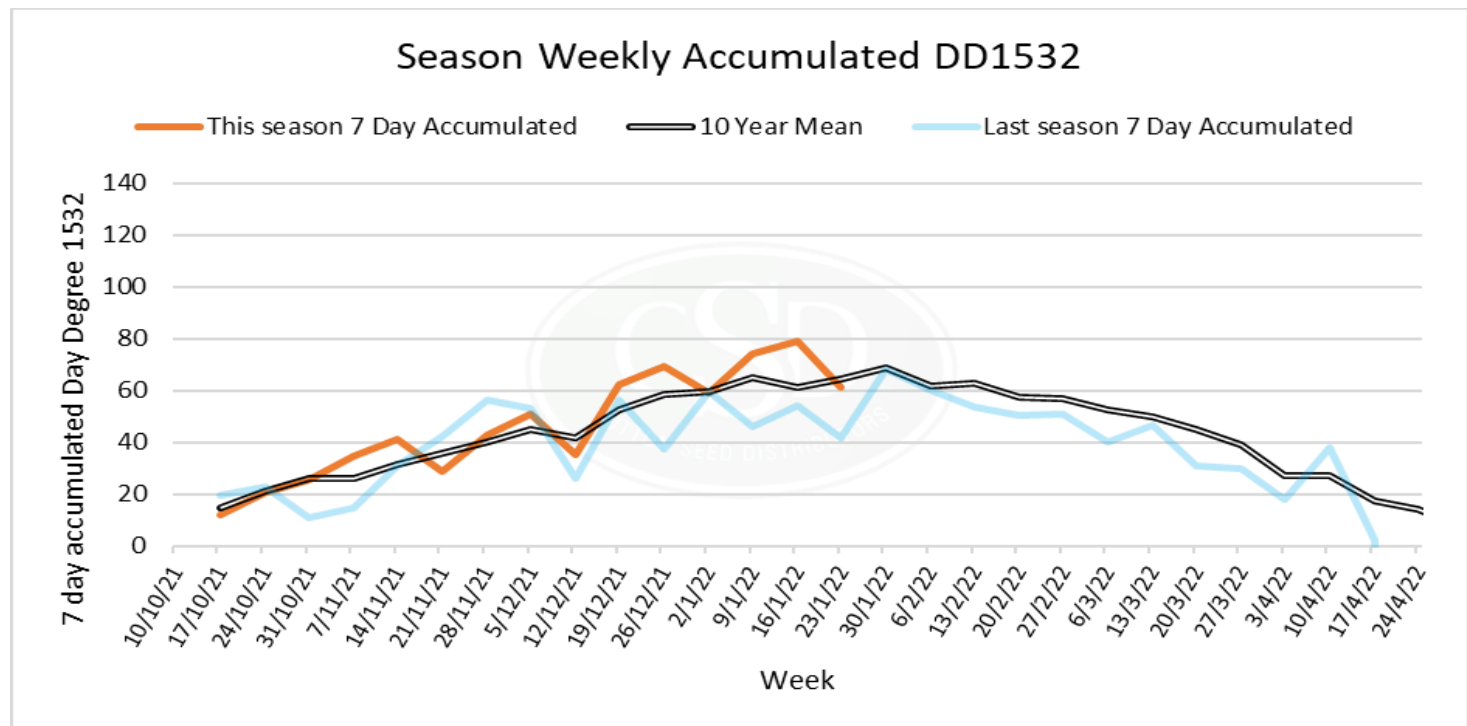


Macquarie crop check

DATE – Wednesday 26th Jan

Please note Day Degree Calculations are in 1532 format to better reflect the DD the plant can use. Please email with any questions or further information you would like to see.

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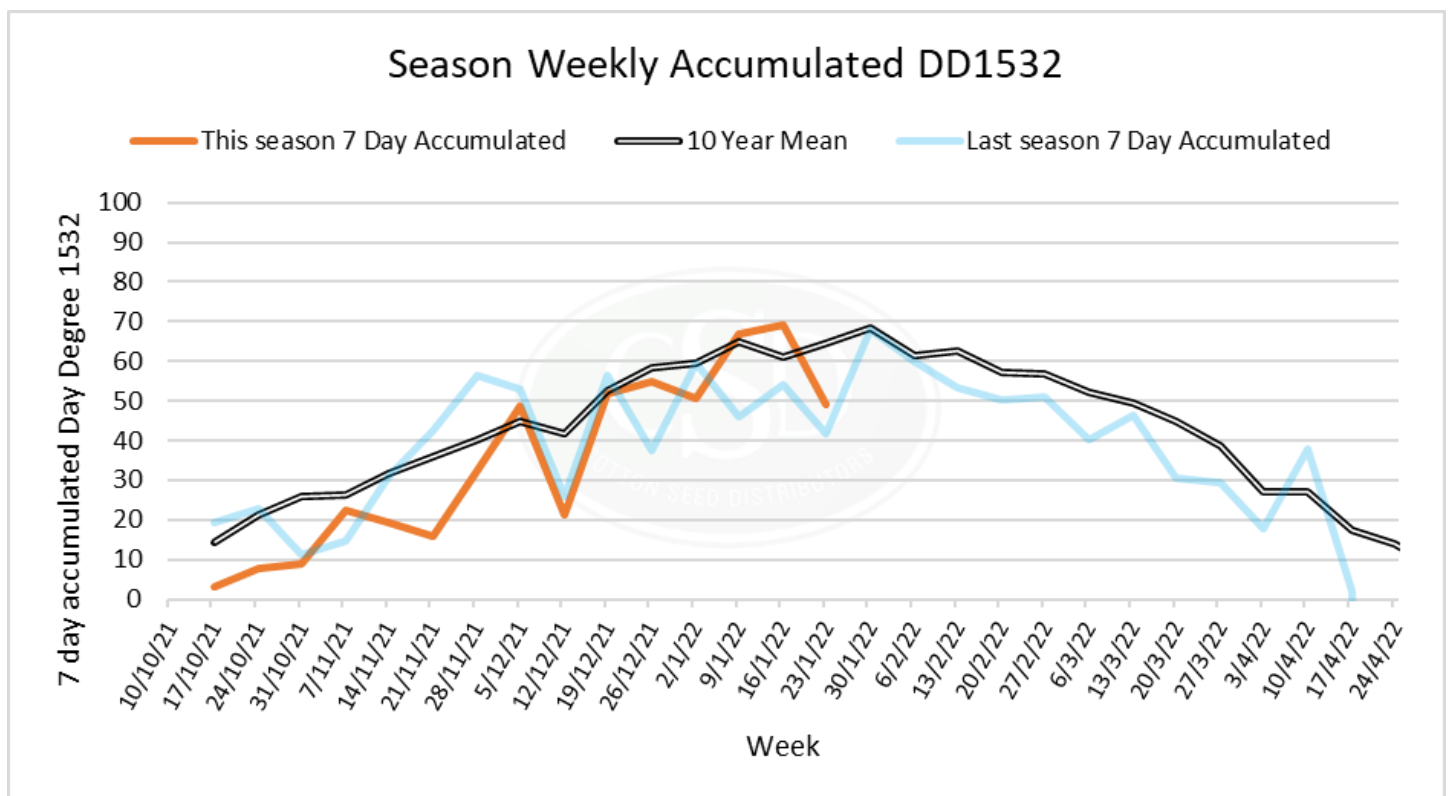
WARREN (MUMBLEBONE PLANTED ON 10TH October 7 DAY ACCUMULATED AVERAGE



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Macquarie crop check



FORBES (AIRPORT) PLANTED 10TH OF OCTOBER 7 DAY ACCUMULATED AVERAGE



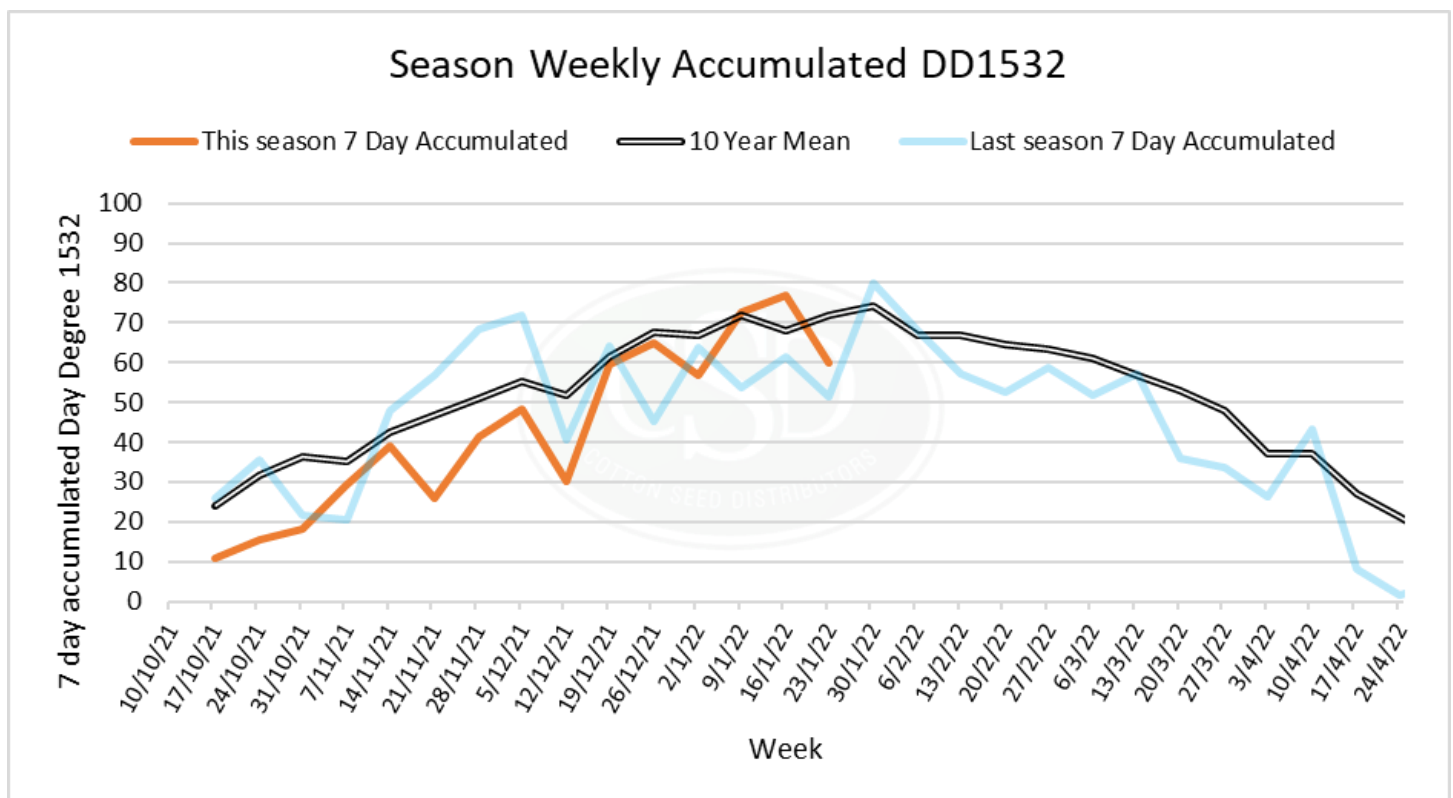
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Macquarie crop check



TRANGIE (RESEARCH STATION) PLANTED 10TH OF OCTOBER 7 DAY ACCUMULATED AVERAGE

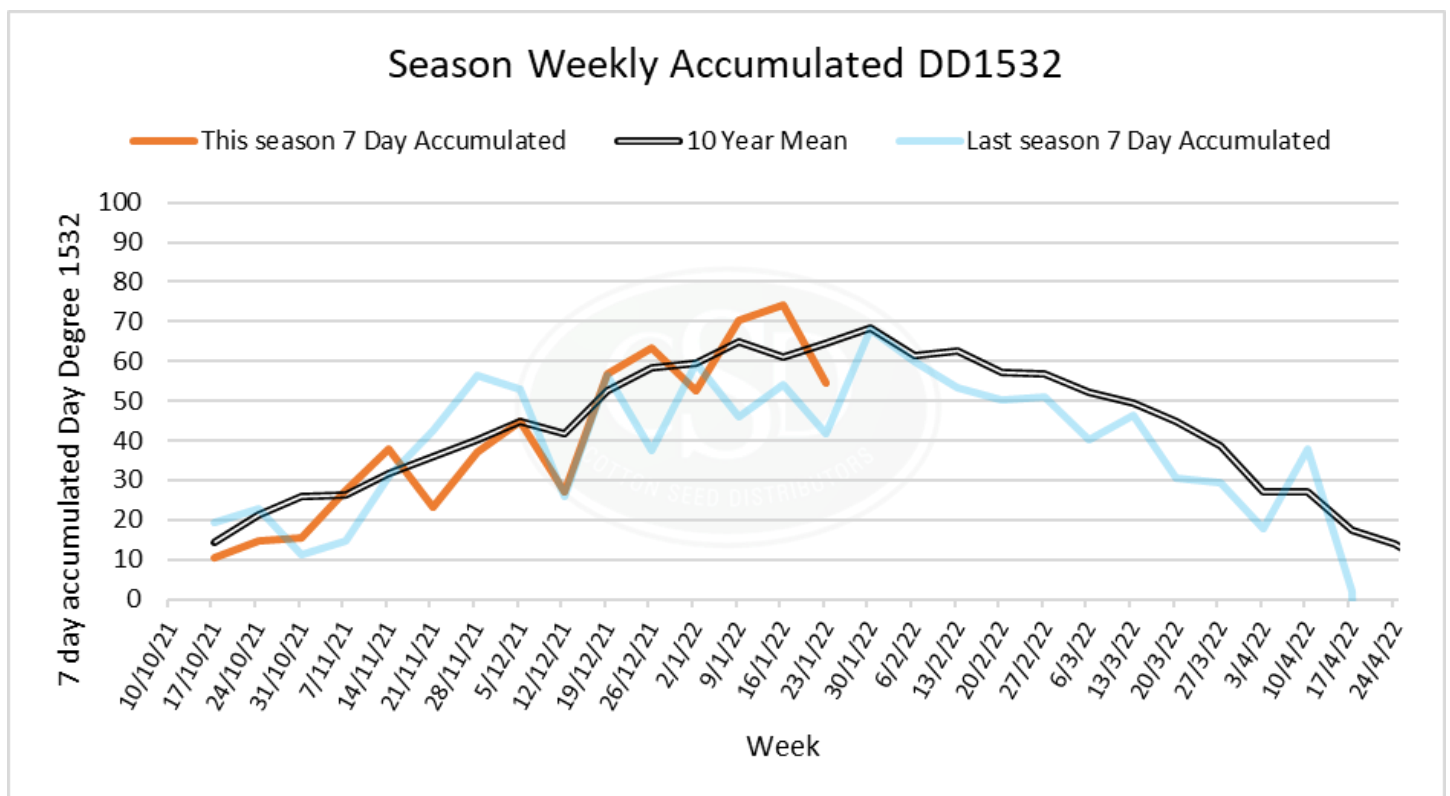




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Macquarie crop check



NARROMINE (AIRPORT) PLANTED 10TH OF OCTOBER 7 DAY ACCUMULATED AVERAGE



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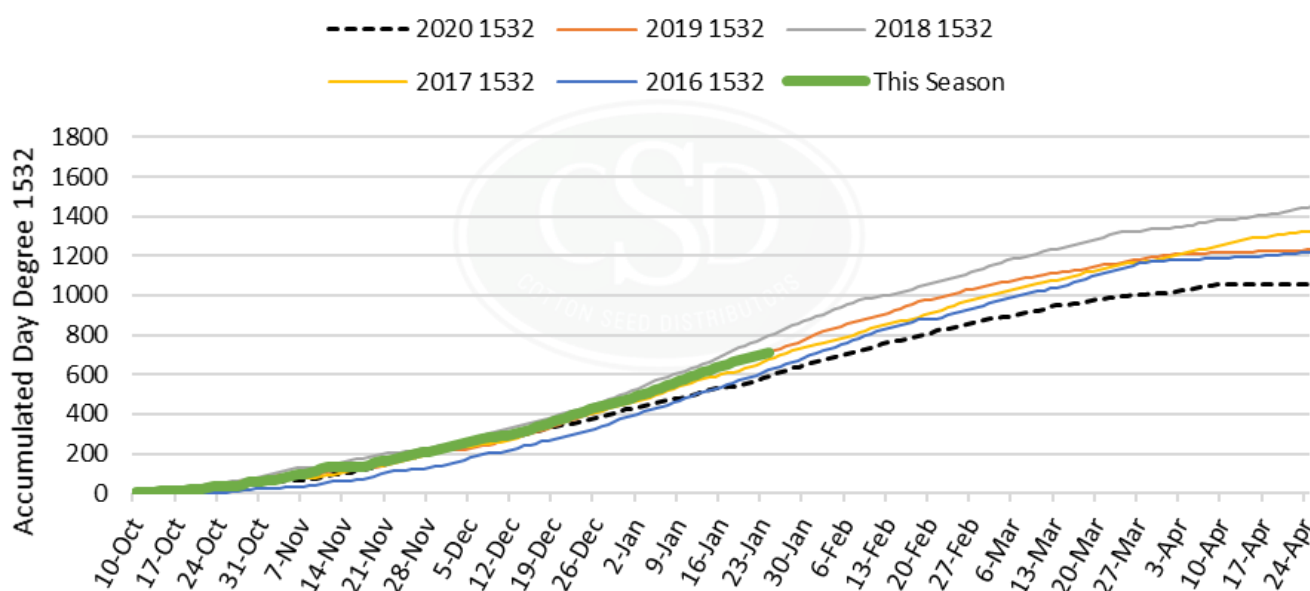


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Macquarie crop check

Seasonal Comparison Accumulated Day Degree - 1532
WARREN



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AREA	LACHLAN – Forbes – Lake Cargelligo
Crop Stage	<ul style="list-style-type: none"> 18-19 Nodes (Forbes) 21 Nodes - 6.5 NAWF Canopy closure (Euabalong)
Irrigation	<ul style="list-style-type: none"> Up to 2nd irrigation after 100 -140mm of rainfall so far for January 4 in crop irrigations, above average rainfall throughout the season (389mm in crop)
Insects/Beneficial	<ul style="list-style-type: none"> Low to moderate populations of green mirids building again Previously seeing Green Mirids and Apple Dimpling Bugs, all controlled.



Macquarie crop check

Weeds	<ul style="list-style-type: none"> • Low numbers • Bladder Ketmia, Caltrop, Awnless Barnyard grass, Stinking goosefoot.
Disease	<ul style="list-style-type: none"> • Some minor Alternaria but not much
Comments	<ul style="list-style-type: none"> • Cotton is now flowering well. Easy to find a number of 5 Lock bolls. Boll size is still small. More phenoxy damage now being observed Looking to cut out at end of the month. • 92% Top five retention, however seeing some lower fruit shedding. Very minor group I damage in some new growth.

AREA	MACQUARIE - Trangie Nevertire Narromine Warren
Crop Stage	<ul style="list-style-type: none"> • 17-20 Nodes 6 – 8 NAWF (Warren) • 23-25Nodes 6 NAWF (Nevertire) • Early Flowering (Narromine) •
Irrigation	<ul style="list-style-type: none"> • Lots of N going on by air in front of this irrigation most have all N on now • Top 5 retention 90% some lower fruit starting to shed in places • 5th irrigation started the 23rd of Jan. Nitrogen application complete, last 40 units of N on late crops with irrigation • Heaps of rain only 1.5 ML/ha applied •
Insects/Beneficial	<ul style="list-style-type: none"> • Under control, maintaining excellent retention, no sign of SLW • Minimal, Green house whitefly have come out of sunflowers into cotton in 1 field • Some control of Mirids happening – SLW low to none. • Lots of wasp species and beneficals present



Macquarie crop check

Weeds	<ul style="list-style-type: none"> • “Shitloads” of fleabane • Where last glyphosate was not adequate weeds are having a great year. Main culprits are fleabane, Windmill grass, and cat heads are dominant as well.
Disease	<ul style="list-style-type: none"> • Known small area/patches of wilt after last irrigation starting to show up • Verticillium starting to show up in known areas • Some late season wilts starting to pop up
Comments	<ul style="list-style-type: none"> • Crop is 2 weeks behind, cut out pix is on at 19 nodes around Narromine. • Group I damage is present on some crops (low rates) • Generally, it's been a good fortnight and the plant has good structure and potential if we can have a good finish from here. Prices are great and that just about offsets the Urea situation.

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Namoi crop check

DATE – Friday 28th January 2022

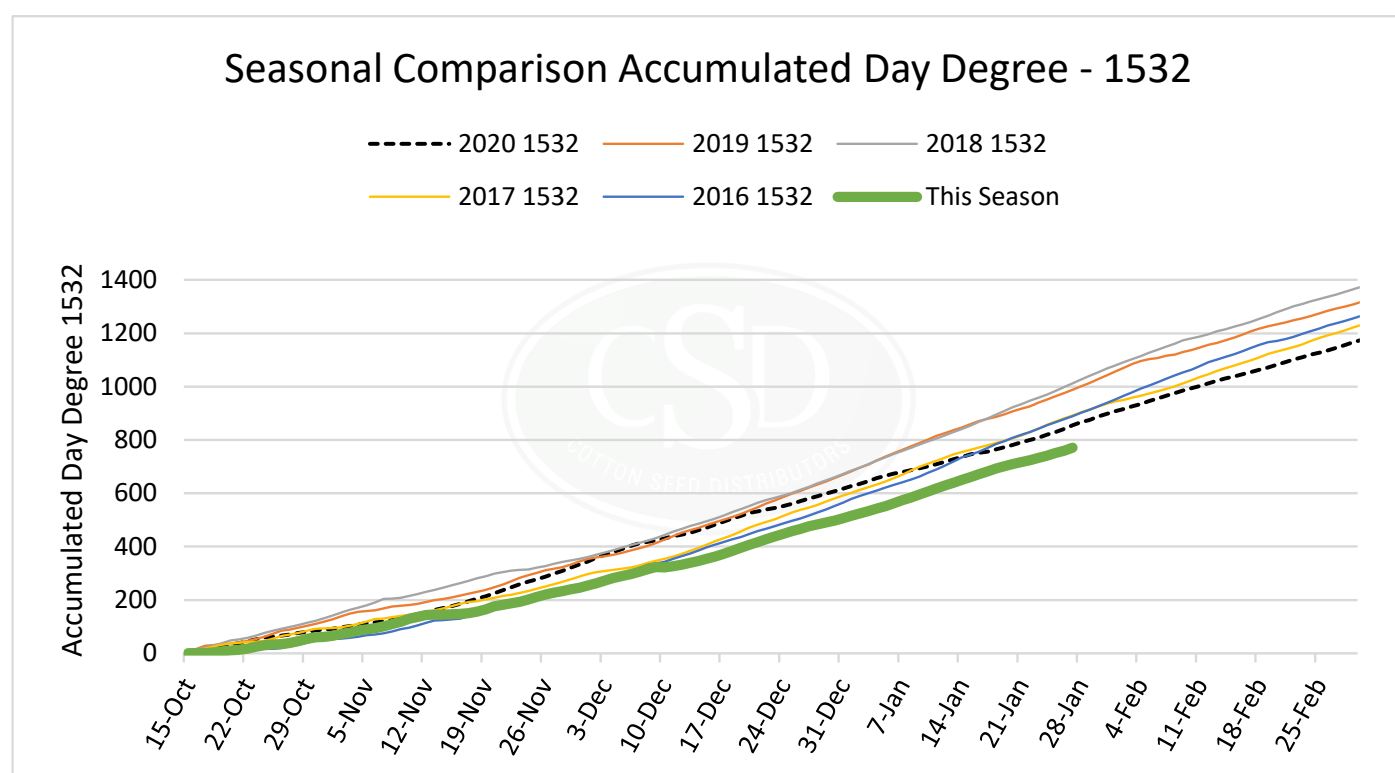


Figure 1: Accumulated Day Degree Seasonal Comparison – Narrabri Airport, taken 14th January 2022

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Namoi crop check

Area - Namoi	
Crop Stage	<ul style="list-style-type: none"> - 16-24 nodes - Cotton has grown well over recent weeks, 4-8 NAWF. - Fruiting well on 2nd and 3rd positions - Younger crops are flowering well - Some shedding of flowers and 3rd position squares over the last few weeks – overcast weather causing issues
Irrigation	<ul style="list-style-type: none"> - Irrigation approximately 8-day turnaround. 5th irrigation on some fields - The more advanced crops are starting to draw lots of moisture. Cracks appearing in some paddocks - Rainfall patchy, anywhere from 0-55mm over the last week. - Irrigation continuing
Pests/Beneficial Insects	<ul style="list-style-type: none"> - Green vegetable bugs are proving to be an issue in the crop this year, causing shedding for some small green bolls. Insecticide for control. - Mirids present but in low numbers - Adult SLW present in crop, no honeydew seen yet, numbers remaining steady with some parasitism of nymphs occurring. - Lots of beneficials
Weeds	<ul style="list-style-type: none"> - Last RoundUp Ready sprays occurring ahead of canopy closure
Disease	<ul style="list-style-type: none"> - Verticillium wilt coming in early this year. - <i>Reminder to get in contact if any concerns with Verticillium Wilt on your farm</i>
Comments	<ul style="list-style-type: none"> - Early dryland crop at cut out 3-4 NAWF.

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Namoi crop check

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Walgett & Bourke crop check

DATE – Friday 28th January 2022

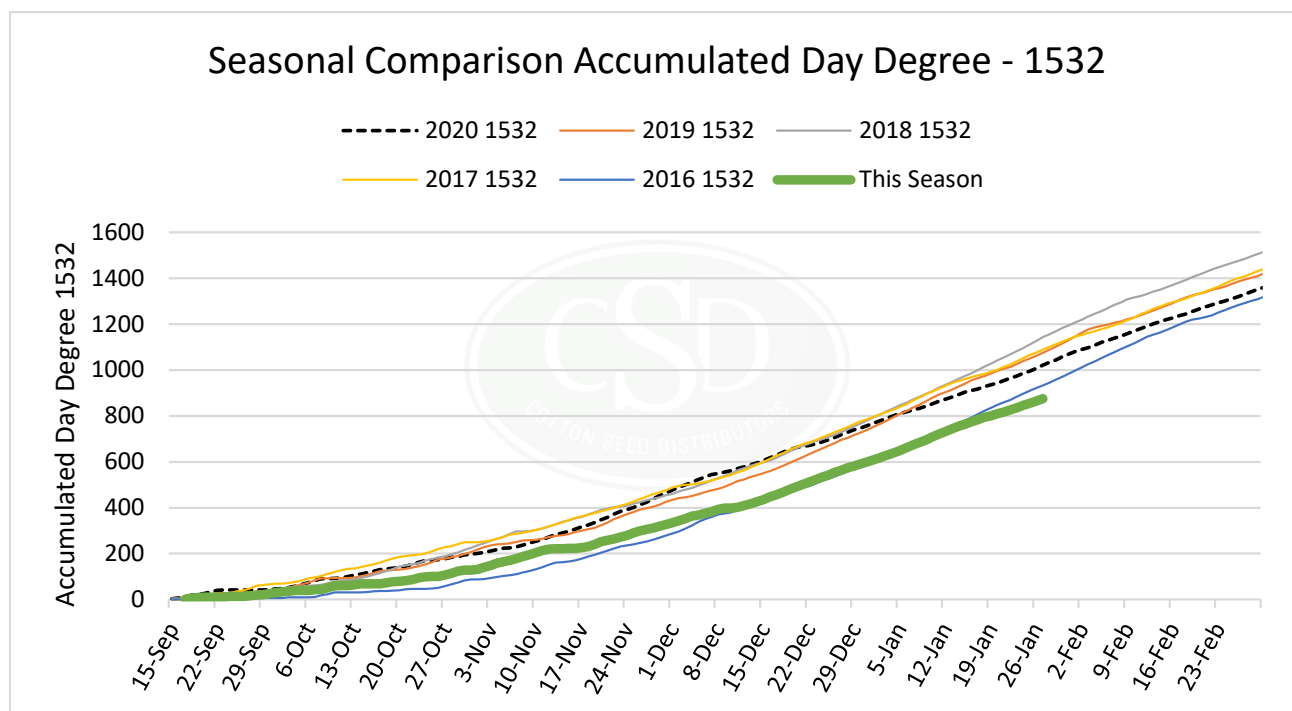


Figure 1: Accumulated Day Degree Seasonal Comparison – Walgett Airport, taken 27th January 2022

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Walgett & Bourke crop check

Area – Walgett	
Crop Stage	<ul style="list-style-type: none">- Most crops 19-25 nodes and 4-6 NAWF- Approaching cut out quickly- Very high fruit loads this year, some shedding with overcast weather last week- Dryland will have benefit from recent rainfall event- No open cotton that I am aware of
Irrigation	<ul style="list-style-type: none">- Irrigation turnaround 6-9 days where possible- Rainfall has been patchy but up to 40mm east side of Walgett Thursday afternoon
Pests/Beneficial Insects	<ul style="list-style-type: none">- GVB higher in number than previous years and causing damage- Mirid numbers low, SLW adult numbers building slowly- Spiders, ladybirds, red and blue beetles all present- Fruit retention high
Weeds	<ul style="list-style-type: none">- Nil, canopy closure
Disease	<ul style="list-style-type: none">- Verticillium Wilt coming in early this year- <i>Reminder to get in contact if any concerns with Verticillium Wilt on your farm</i>





Walgett & Bourke crop check

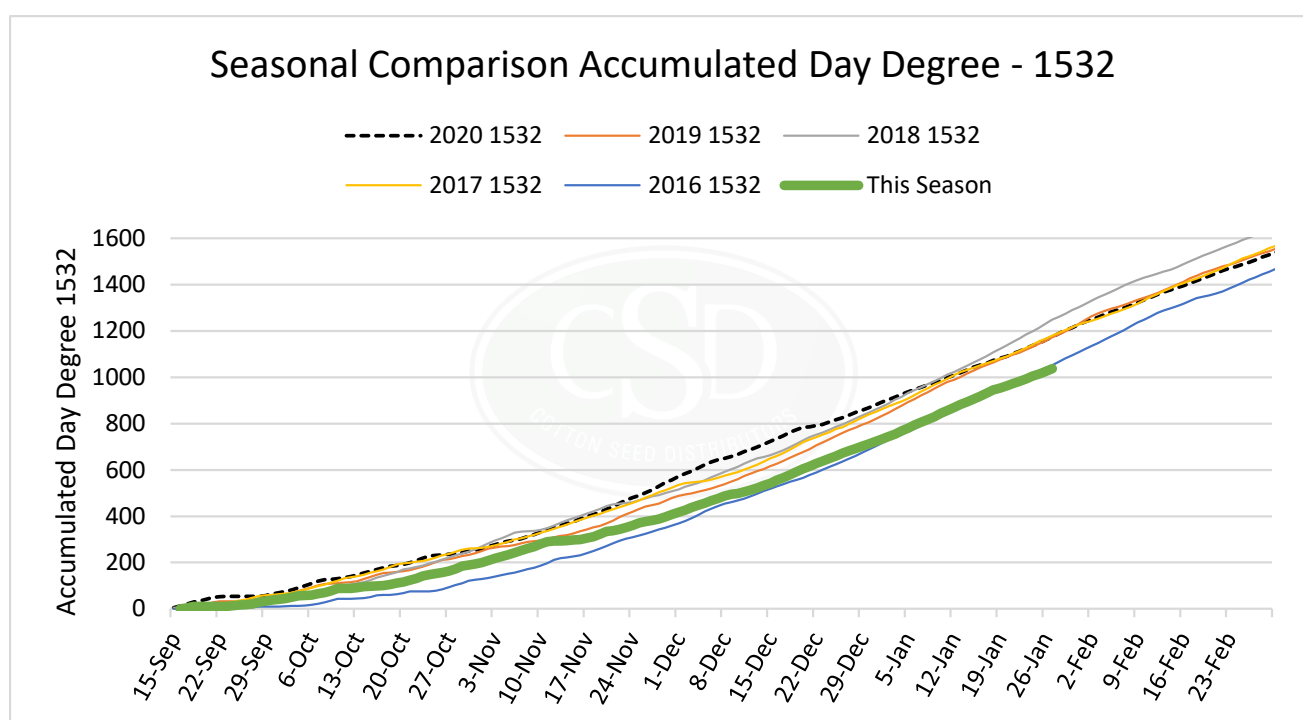


Figure 2: Accumulated Day Degree Seasonal Comparison – Bourke Airport, taken 27th January 2022

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Walgett & Bourke crop check

Area – Bourke	
Crop Stage	<ul style="list-style-type: none"> - Some crops have been cut out, majority not far behind - 18-25 nodes - Flowering really well - Overcast weather in the last week has caused some shedding - 3rd, 4th, and 5th position squares - Green bolls are maturing well, firm and will be cracking soon - Bolls are 4-5 lock
Irrigation	<ul style="list-style-type: none"> - Well into irrigation cycle, - Rainfall eastern side of Walgett Thursday afternoon – fallow paddocks laying water
Pests/Beneficial Insects	<ul style="list-style-type: none"> - SLW adults appearing – no evidence of nymphs on top leaves or honeydew though - Early season miticides used - GVB have been an issue this year
Weeds	<ul style="list-style-type: none"> - Spraying finished up as majority of crops are past row closure
Disease	<ul style="list-style-type: none"> - Late season Alternaria and Vert are of concern – keep an eye out.
Comments	<ul style="list-style-type: none"> - Sicot 714 is the more advanced variety in comparison (as to be expected) - Sicot 748 is tall – up to 120cm in some areas - In general; good retentions, keeping on top of irrigation and ‘kind’ weather conditions have contributed to a great looking crop.



Information when you need it



Walgett & Bourke crop check

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Gwydir crop check

28th January 2022

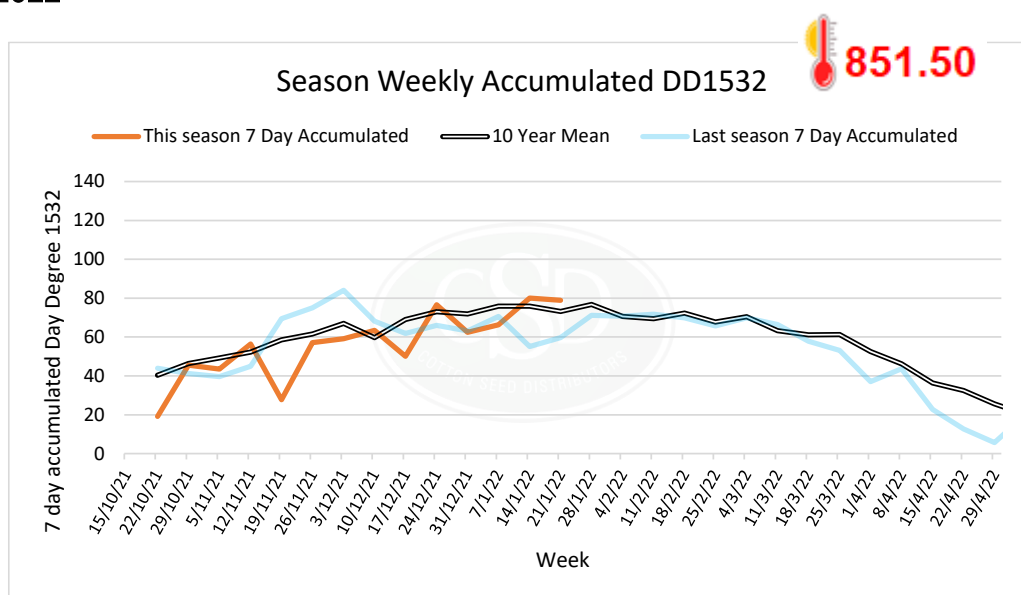


Figure 1: 7-day average DD (1532) compared to 2020/21 and the 10 year average.

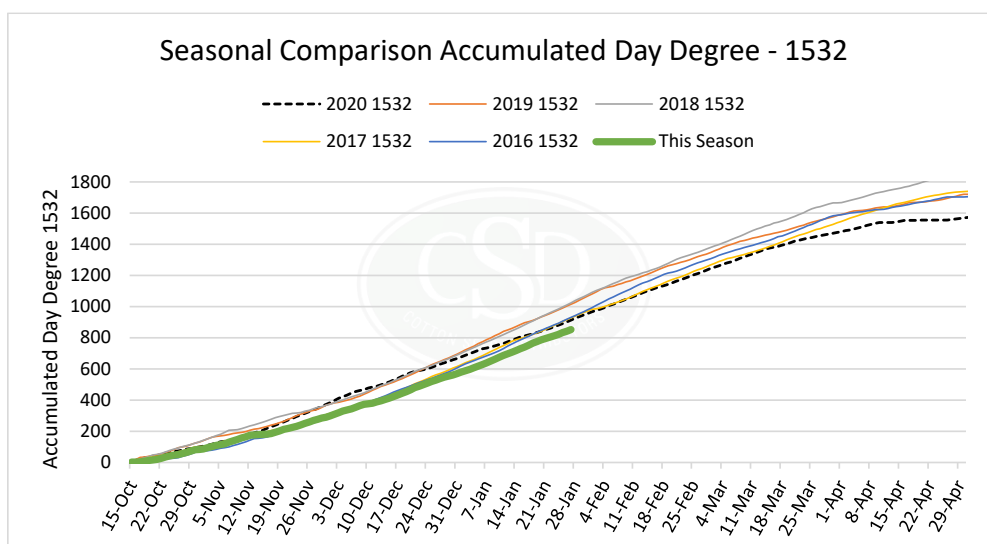


Figure 2: Seasonal Comparison Accumulated Day Degree - 1532



Gwydir crop check

Table 1: Seasonal Information based on 15th October planting date – 27th January 2021 (105 days)

Summary Seasonal comparison

	2021	2020	2019	2018	2017	10 year mean
Base 12	1333.4	1415.0 ▲	1606.3 ▲	1570.9 ▲	1455.3 ▲	1485.8 ▲
DD1532*	851.5	914.1 ▲	1015.2 ▲	1024.5 ▲	926.5 ▲	954.9 ▲
Cold shock days ($\leq 11^{\circ}\text{C}$)	11	7 ▼	7 ▼	3 ▼	5 ▼	6.8 ▼
Days above 36°C	19	24 ▲	52 ▲	39 ▲	36 ▲	32.6 ▲
Nights above 25°C	0	1 ▲	15 ▲	7 ▲	8 ▲	5.7 ▲
Days above 40°C	0	6 ▲	14 ▲	11 ▲	5 ▲	7.2 ▲
Total rainfall (mm)	302.8	260.6 ▼	152.6 ▼	122.8 ▼	159.6 ▼	162.3 ▼
Total radiation (MJ/m^2)	2307.9	2366.0 ▲	2595.1 ▲	2618.3 ▲	2587.4 ▲	2293.8 ▼
Average temperature ($^{\circ}\text{C}$)	24.5	25.4 ▲	27.2 ▲	26.9 ▲	25.8 ▲	26.0 ▲

* Experimental calculation.


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Gwydir crop check

AREA	Gwydir Valley
Crop Stage	<ul style="list-style-type: none"> Gwydir planting 6 – 30th October (irrigated). The earlier crops were sown on rain moisture, crops planted after the 20th October were watered up. Gwydir dryland plant October – December. Bulk of cotton crops sown in October so pyriproxyfen application window is: 28th Jan – 28th Feb 2022. <p>Irrigated</p> <ul style="list-style-type: none"> 14 – 24 nodes (some just starting to flower through to 4 NAWF). Retentions continue to remain high >80%. 6-8 NAWF, early plant 4-6 NAWF. <p>Dryland</p> <ul style="list-style-type: none"> Up to 22 nodes and cutting out (December plant is squaring). Recent rains welcomed for dryland crops. <p><i>"Late crops from starting to pick up now, with high retention"</i> <i>"Dryland looks sensational, massive boll load, 5-6 NAWF, very high retention"</i> <i>"16-22 nodes, very good retention, some disease in known areas, late prep still haunting us a bit"</i> <i>"High retentions and boll load and maintaining 9NAWF – GREAT!"</i></p> <p>Delungra dryland update</p> <div>  <p>After 34mm of rain in the third week of January, Charles Boileau's dryland crop of 748BRF got a nice little freshen up. Charles farms at Delungra, about 100km east of Moree, and this is his third cotton crop at the property (having previously farmed cotton near Gunnedah). The crop was planted into a full profile into country that had grown wheat in 2020 and Charles said it got away to a nice start – but a wet and cool November has put the crop two or three weeks behind. "A bit more rain in late January or early February will keep it powering along," Charles said.</p> </div> <ul style="list-style-type: none"> You will be able to read more about Charles Boileau's farming system in the next Australian Cotton Production Manual, currently being developed and to be sent out to growers and industry later this year.



Gwydir crop check

Irrigation	<ul style="list-style-type: none"> Mostly 4th irrigation, later planted crops on their 3rd in-crop irrigation.
Insects/Beneficial	<ul style="list-style-type: none"> Mirid pressure remains low. SLW present in low numbers. Some consultants reporting a greater number of Greenhouse Whitefly. Seeing good parasitism of SLW nymphs. GVB, Red banded shield bug and stink bugs in moderate numbers across the valley. Not just confined to fields adjacent to riparian areas. Spray likely. Still seeing the odd mite. <p><i>"Seen an explosion of GVB around Terry Hie Hie"</i> <i>"Likely to spray GVB shortly"</i></p>
Weeds	<ul style="list-style-type: none"> Irrigated fields - barn yard grass, milkthistle, peachvine, pigweed and bladder ketmia, fleabane is terrible everywhere this season. Dryland fields also seeing some feather top rhodes grass, windmill grass and liverseed grass.
Disease	<ul style="list-style-type: none"> Disease in known fields. Fusarium showing up along with Verticillium.
Comments	

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Mungindi crop check

28th January 2022

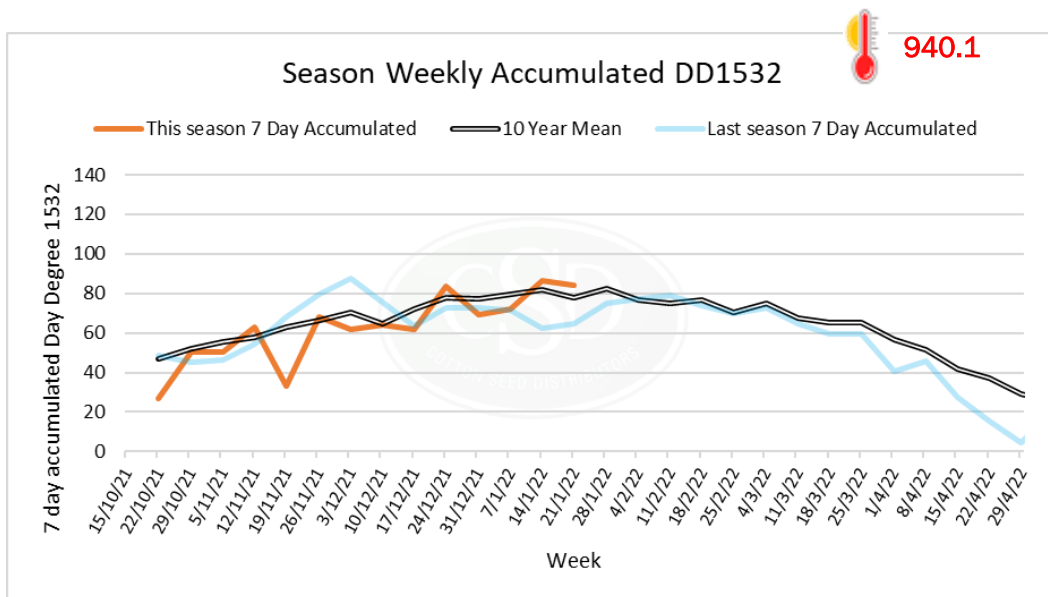


Figure 1: 7-day average DD (1532) compared to 2020/21 and the 10 year average.

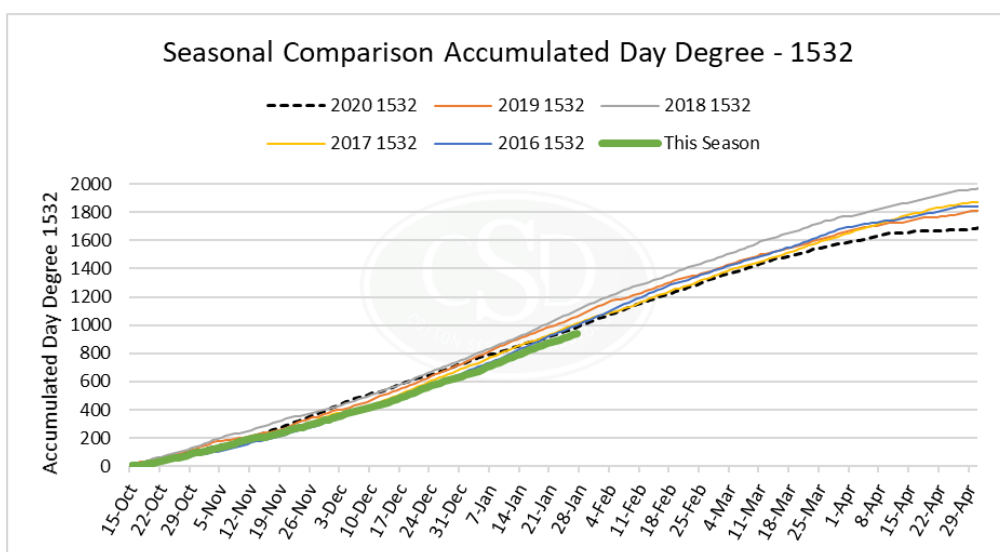


Figure 2: Seasonal Comparison Accumulated Day Degree - 1532



Mungindi crop check

Table 1: Seasonal Information based on 15th October planting date – 27th January 2022 (105 days)

Summary Seasonal comparison

	2021	2020	2019	2018	2017	10 year mean
Base 12	1451.6	1540.5 ▲	1720.2 ▲	1732.7 ▲	1605.0 ▲	1630.5 ▲
DD1532*	940.1	987.4 ▲	1061.8 ▲	1107.1 ▲	1010.0 ▲	1027.2 ▲
Cold shock days ($\leq 11^{\circ}\text{C}$)	9	3 ▼	9	1 ▼	3 ▼	5.4 ▼
Days above 36°C	27	37 ▲	66 ▲	55 ▲	48 ▲	49.9 ▲
Nights above 25°C	2	6 ▲	23 ▲	20 ▲	14 ▲	10.6 ▲
Days above 40°C	7	13 ▲	26 ▲	24 ▲	26 ▲	17.9 ▲
Total rainfall (mm)	217.3	260.5 ▲	118.4 ▼	110.2 ▼	116.0 ▼	133.3 ▼
Total radiation (MJ/m^2)	2323.6	2402.6 ▲	2609.6 ▲	2627.1 ▲	2597.6 ▲	2303.8 ▼
Average temperature ($^{\circ}\text{C}$)	25.7	26.6 ▲	28.3 ▲	28.5 ▲	27.3 ▲	27.4 ▲

* Experimental calculation.

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



Mungindi crop check

AREA	Mungindi
Crop Stage	<p>Irrigated: 15-26 nodes Dryland 16-20N</p> <p><i>"15 Nodes through to 26 Nodes and 1st cracked bolls found yesterday on fields planted in late September"</i></p> <p><i>"Irrigated retention is great, top 5 holding well as it approaches cutout"</i></p> <p><i>"Extremely high retentions all season, bit of fruit shed with recent frequent irrigations"</i></p>
Irrigation	<ul style="list-style-type: none"> Mostly onto 5th irrigation <p><i>"Milder weather and a few showers have taken some pressure off irrigations"</i></p>
Insects/Beneficial	<ul style="list-style-type: none"> Mirids and mites remain low SLW present but at low numbers Some GVB, Brown Shield bugs, Pale Cotton Stainers and Red Banded shield bugs present. <p><i>"GVB, Red banded shield bug and brown stink bugs on the rise"</i></p> <p><i>"Odd farm has been sprayed for low mirids though other farms have just had cut out Pix applied and no insecticide applications so far. Whitefly numbers continue to remain at very low levels and beneficials at moderate levels throughout the crop".</i></p> <p><i>"Majority of cotton has not had any insecticide applied".</i></p> <p><i>"SLW seen a slight increase in nymph population in past 7-10 days. Saw good early levels of SLW parasitism, but now rate of increase is slow"</i></p>
Weeds	<p><i>"No issue with weeds, residuals - Stomp at planting and Dual Gold in crop have done an excellent job of controlling FTR, Barnyard grass, peachvine etc"</i></p> <p><i>"1-2 RR applied. Most irrigated crops now at row closure"</i></p>
Disease	<ul style="list-style-type: none"> Vert coming in after cool cloudy weather <p><i>"Finding low levels of verticillium in both Sicot 646B3F and Sicot 748B3F. Sicot 606B3F appears to be handling Verticillium better, even after the recent more frequent irrigations"</i></p>



Mungindi crop check

Comments

"Overall crops and fruit loads look positive depending on usual February rain and possible boll rots, crops generally beginning to run out of N, which is fine"

"Looks good, fruiting nicely with lateral branches filling well"

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