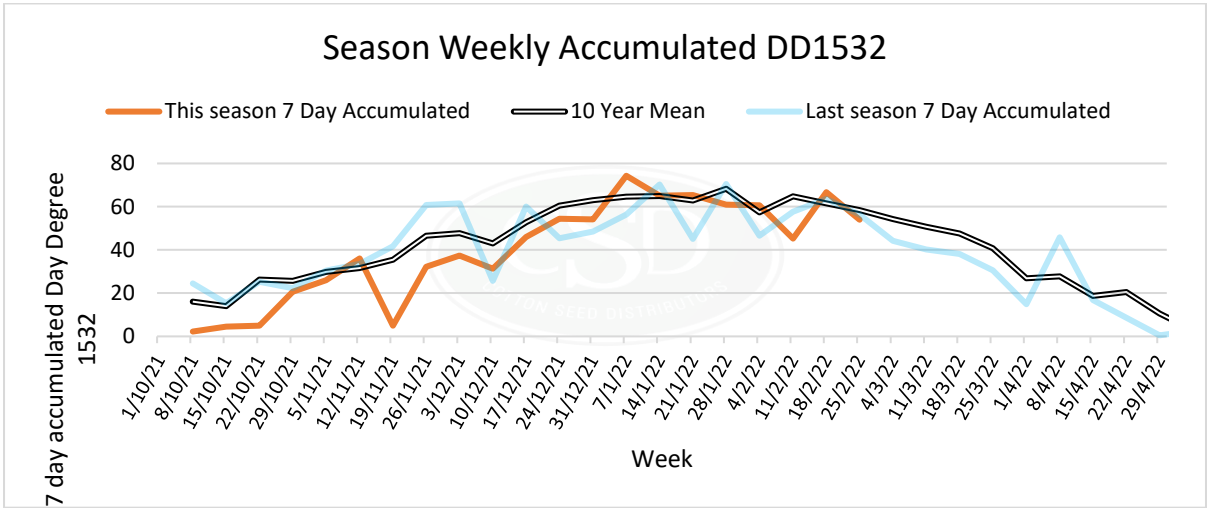
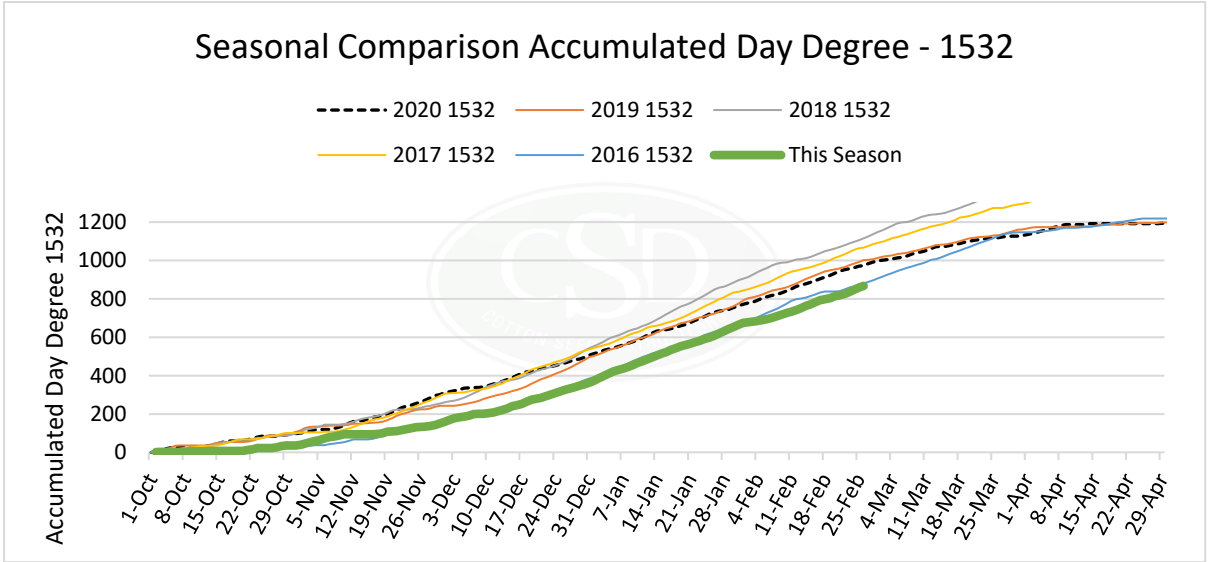
CottonInfo **Information** *when you need it*

Southern NSW crop check

26th February 2022 Griffith 867 1532 DDs (86 % of average)





CottonInfo **Information** *when you need it*

Southern NSW crop check

Seasonal Day Degree and historical data 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

GRIFFITH AIRPORT AWS

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Date range: 1 October, 2021 to 26 February, 2022 (149 days).

Summary | Seasonal comparison

	2021	2020	2019	2018	2017	10 year mean
Base 12	1499.8	1644.8 ▲	1769.4 ▲	1900.9 ▲	1814.1 ▲	1732.5 ▲
DD1532*	867.5	974.0 ▲	1001.4 ▲	1115.5 ▲	1067.6 ▲	1004.4 ▲
Cold shock days (≤ 11°C)	39	28 ▼	40 ▲	33 ▼	28 ▼	34.7 ▼
Days above 36°C	10	20 ▲	36 ▲	42 ▲	34 ▲	30.0 ▲
Nights above 25°C	1	4 ▲	8 ▲	16 ▲	8 ▲	6.7 ▲
Days above 40°C	1	8 ▲	16 ▲	22 ▲	10 ▲	11.1 ▲
Total rainfall (mm)	329.4	164.6 ▼	147.8 ▼	149.6 ▼	198.8 ▼	155.1 ▼
Total radiation (MJ/m^2)	3163.4	3495.2 ▲	3463.1 ▲	3469.1 ▲	3424.4 ▲	3180.2 ▲
Average temperature (°C)	21.5	22.7 ▲	23.3 ▲	24.4 ▲	23.8 ▲	23.1 ▲

* Experimental calculation.

CottonInfo **Information** *when you need it*

Southern NSW crop check

AREA	Southern Valleys
Crop Stage	• 22-23 nodes • 2 NAWF. No cracked bolls yet but close (Murrumbidgee) • Mature bolls in lower canopy (Lachlan)
Irrigation	• 1-2 irrigations to go
Insects/Beneficials	• Low mite pressure. Thrips keeping them in check. • Silver leaf whitefly low.
Weeds	• Most crops now at row closure and few weed problems.
Disease/Environmental	• Verticillium wilt showing up in fields (Lachlan). • Alternaria pressure developing. Fungicides applied.
Comments (Kieran)	• March and early April temperatures will need to be consistently warm to get to average Day degrees. • Temperature forecasts indicate warmer minimums and at least average maximums. • Reports of some crops getting a late application of Nitrogen. Research indicates no yield benefit and may in fact reduce yields. Can lead to higher risk of later maturity, regrowth and difficult defoliation.

CottonInfo **Information** *when you need it*

Balonne crop check

DATE – week ending 24 February 2022

ST GEORGE AIRPORT

Download

Date range: 10 October, 2021 to 23 February, 2022 (137 days).

Summary | Seasonal comparison

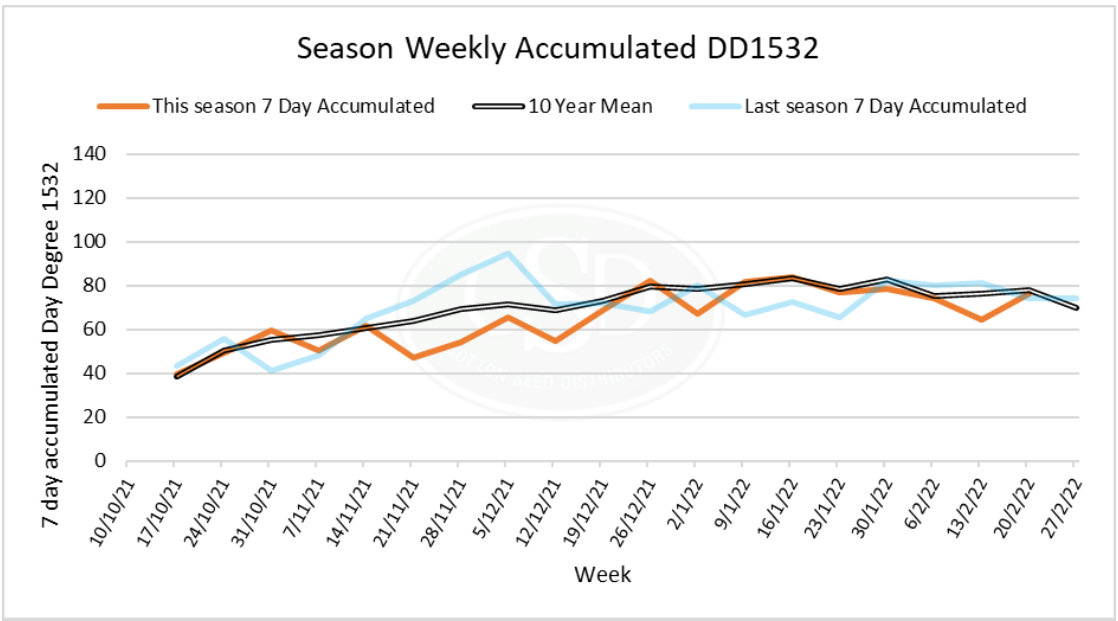
	2021	2020	2019	2018	2017	10 year mean
Base 12	1910.8	2046.0 ▲	2205.0 ▲	2228.8 ▲	2039.8 ▲	2099.7 ▲
DD1532*	1280.1	1363.9 ▲	1408.6 ▲	1466.1 ▲	1321.9 ▲	1372.0 ▲
Cold shock days (≤ 11°C)	5	3 ▼	10 ▲	1 ▼	2 ▼	5.1 ▲
Days above 36°C	28	37 ▲	72 ▲	68 ▲	54 ▲	52.2 ▲
Nights above 25°C	3	12 ▲	35 ▲	33 ▲	30 ▲	18.9 ▲
Days above 40°C	4	9 ▲	23 ▲	17 ▲	13 ▲	14.0 ▲
Total rainfall (mm)	289.8	212.3 ▼	189.3 ▼	107.6 ▼	245.4 ▼	161.0 ▼
Total radiation (MJ/m^2)	3001.5	3119.7 ▲	3281.7 ▲	3335.7 ▲	3295.2 ▲	2964.9 ▼
Average temperature (°C)	25.9	26.9 ▲	28.0 ▲	28.3 ▲	26.9 ▲	27.3 ▲

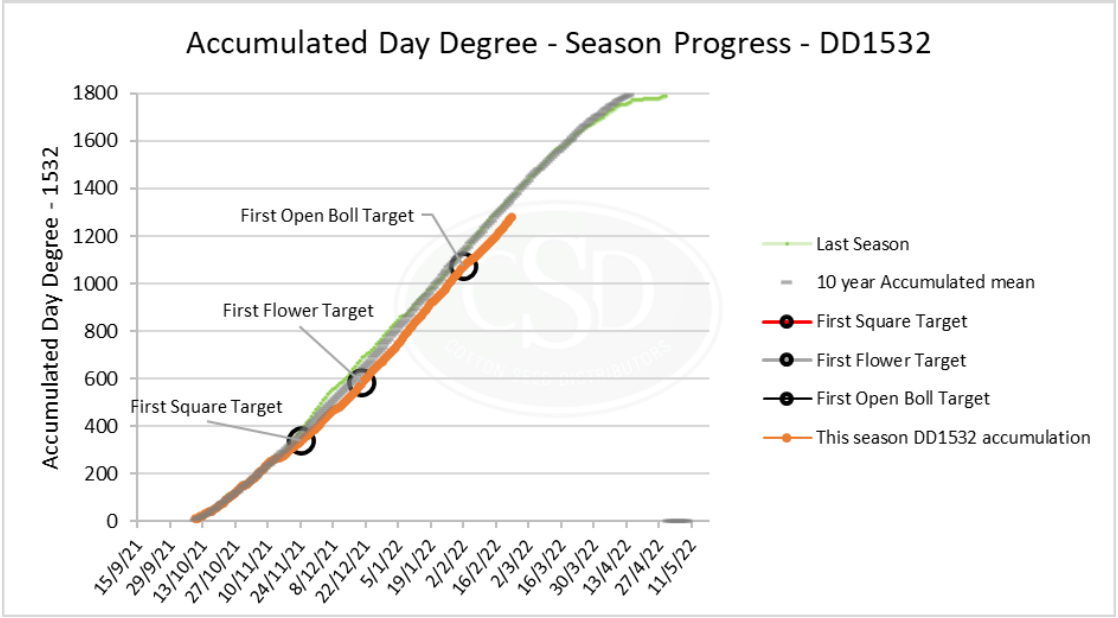
* Experimental calculation.

Climate observations and data are obtained via the State of Queensland SILO patched point dataset.

CottonInfo **Information** *when you need it*

Balonne crop check





CottonInfo **Information** *when you need it*

Balonne crop check

Day degree accumulation for the season continues to remain below the 10 year mean, however the radiation received for this season has crept above the 10 year mean since last report. February weather has been favorable for cotton growth with warm days, cool nights and mostly clear conditions. While this bodes well for a good crop result, the rain of recent days and an outlook for wetter than normal conditions has a few growers and consultants anxious.

AREA	Balonne
Crop Stage	• The more advanced crops are approx. 14 days until first defoliation pass with some late crops around 8 NAWF. Bulk of crops are at cut out or just past it.
Irrigation	• Early crops are finished with bulk heading for last irrigation in coming fortnight.
Insects/Beneficials	• SLW evident in most crops but highly variable. Parasitism seems low and thoughts that predation might be assisting where populations staying low while use of acetamiprid against GVB/Mirids likely to have restrained build up where used. Control measures implemented or about to be in higher population blocks. • Shield/GVB/Cotton Stainers/mirids around in variable numbers but mostly low. • Scattered mealybug and aphids
Weeds	• Sesbania and FTR showing in areas
Disease	• Fusarium presence becoming more obvious and prevalent with previously clean fields showing symptoms.
Comments	• Recent rain on crops with opening bolls is concerning with potential for boll rots • Recent rain was variable – from 8mm to 140mm

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

Gwydir crop check

13th February 2022

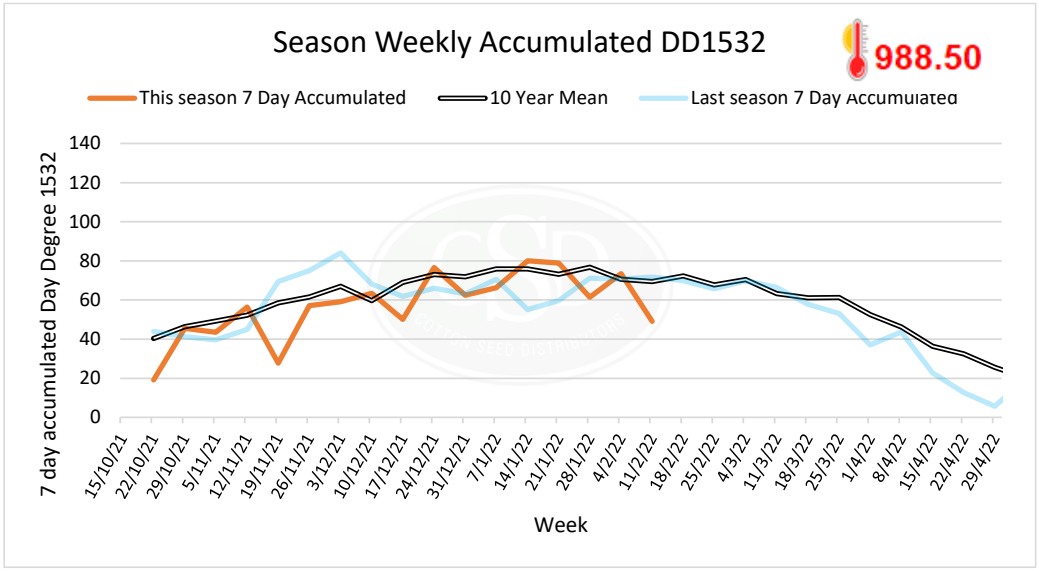


Figure 1: 7-day average DD (1532) compared to 2020/21 and the 10 year average.

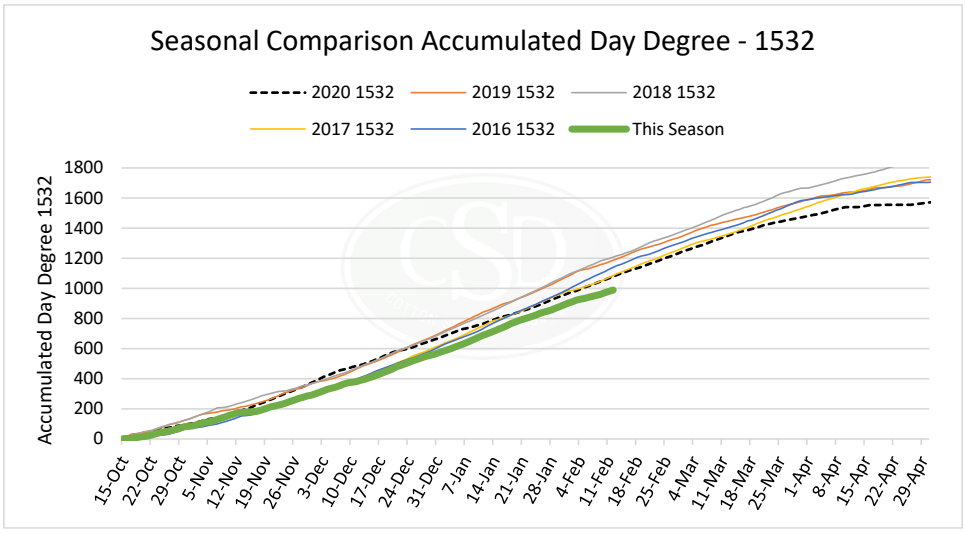


Figure 2: Seasonal Comparison Accumulated Day Degree - 1532

CottonInfo **Information** *when you need it*

Gwydir crop check

Table 1: **Seasonal Information based on 15th October planting date – 12th February 2022 (121days)**

Summary | Seasonal comparison

	2021	2020	2019	2018	2017	10 year mean
Base 12	1539.8	1660.1 ▲	1859.4 ▲	1845.5 ▲	1698.1 ▲	1730.1 ▲
DD1532*	988.5	1077.2 ▲	1186.3 ▲	1206.2 ▲	1084.4 ▲	1116.8 ▲
Cold shock days (≤ 11°C)	11	7 ▼	7 ▼	3 ▼	5 ▼	6.8 ▼
Days above 36°C	21	30 ▲	59 ▲	50 ▲	42 ▲	38.2 ▲
Nights above 25°C	0	1 ▲	21 ▲	10 ▲	8 ▲	7.5 ▲
Days above 40°C	0	6 ▲	14 ▲	11 ▲	8 ▲	8.3 ▲
Total rainfall (mm)	336.8	276.0 ▼	177.6 ▼	122.8 ▼	189.0 ▼	196.7 ▼
Total radiation (MJ/m^2)	2647.3	2711.8 ▲	2897.5 ▲	2995.9 ▲	2951.0 ▲	2627.7 ▼
Average temperature (°C)	24.5	25.7 ▲	27.3 ▲	27.2 ▲	26.0 ▲	26.2 ▲

* Experimental calculation.

Climate observations and data are obtained via the State of Queensland SILO patched point dataset.

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

CottonInfo Retention Trial," Norwood"
Early season square damage conducted on fruiting branches 1-5, 6-10 and 1-10. Big differences in crop height showing up this season, along with crop structure.

Anyone interested in having a look at this trial please call Janelle Montgomery CottonInfo REO, Gwydir & Mungindi M. 0428640990.

CottonInfo **Information** *when you need it*

Gwydir crop check

AREA	Gwydir Valley
Crop Stage	• Irrigated: 21 to 28 nodes at cut out or approaching cut out at 6 NAWF. • Dryland: 18 to 28 nodes. Early plant fully cut out. Late plant (Dec) just flowering. *"(Dryland) Mostly cut out at 20-21 nodes, some wetter areas at 23-24 nodes and haven't cut out fully yet. Boll loads are significant. Yield potential 2-5+ bales/ha all depending on January rain"* *"Dryland crops looking for rain to bring them home"*
Irrigation	• Most have just had or about to have their 5th in crop irrigation. *"About 4 Irrigation to go"* *"5-6 in crop irrigations to date"*
Insects/Beneficial	• Mirids quiet. • GVB, BSB and Cotton Stainer very active • Mites active • SLW numbers are generally still low, some reports of nymphs increasing in the last week. **Report of 1st Admiral application in the Gwydir - 4/2/21.** *"SLW have backed off, green bugs (vegetable bugs & red banded) have been persistent in the east"* *"GVB and Cotton Stainers causing issues. Cotton Stainers at the bottom of the irrigated canopy are a big concern and impossible to control because of the difficulty of the spray coverage"* *"GVB have been sprayed"* *"Boll damage evident in Dryland lower canopy from Cotton Stainer"* *"SLW numbers are very low, no Admiral/Movento sprayed"* *SLW adults migrating in to crops but very minimal nymph numbers to date.* *"Beneficial ok where still soft, although they are back in the crop days after Chlorpyrifos"* *"Mites building across the district"* *"Mites have been sprayed in a few paddocks. Now finding some more widespread and will need controlling soon"* *"Loopers causing significant leaf damage in refuge crops".* *"Pigs are moving into the Irrigated crops".* *"1st spray of the year- Admiral for SLW & Abamectin for Mites"*

CottonInfo **Information** *when you need it*

Gwydir crop check

Weeds	*"BYG a problem"* *"Persistent large fleabane & feather top, otherwise tidy"*
Disease	*"Vert a big problem"* *"Verticillium and fusarium evident in known fields, some starting to develop on TD in fields that don't typically have disease"* *"Verticillium wilt has increased significantly over the last couple of weeks"* *"Vert rampant in usual places"*
Comments	*"Squares shed after overcast weather, was always going to happen with high retn%"* *"Boll size a little small"* *"Good boll set, throwing top fruit, some (very limited) premature senescence in lighter country due to soil K & high boll load"* **Spray Drift** Mungindi – Talwood – Boomi – Weemelah • Widespread drift occurred between Christmas and new year, with the worst impact closest to Talwood. • There has been no significant spray drift recently in these areas. *" No drift to the west or directly south of Mungindi in the last 6 weeks"* Moree • Significant widespread drift across most of the Gwydir. • Moderate to severely affected crops particularly around Pallamallawa • Minor widespread drift to crops north of Moree right through to Tulloona. • Dryland fields south of Moree have been hit badly. • Drift evident around Garah. *"Fleabane has got away this season with the wet season and inability to get onto country"* *"Disappointment at poor recommendations and application of 2,4-D which has caused much of the drift damage".* *"Spray drift this season has been widespread particularly on dryland fields to the South of Moree"*

CottonInfo **Information** *when you need it*

Macintyre crop check

DATE – 24 February 2022

GOONDIWINDI AIRPORT

Download

Date range: 10 October, 2021 to 23 February, 2022 (137 days).

Summary | Seasonal comparison

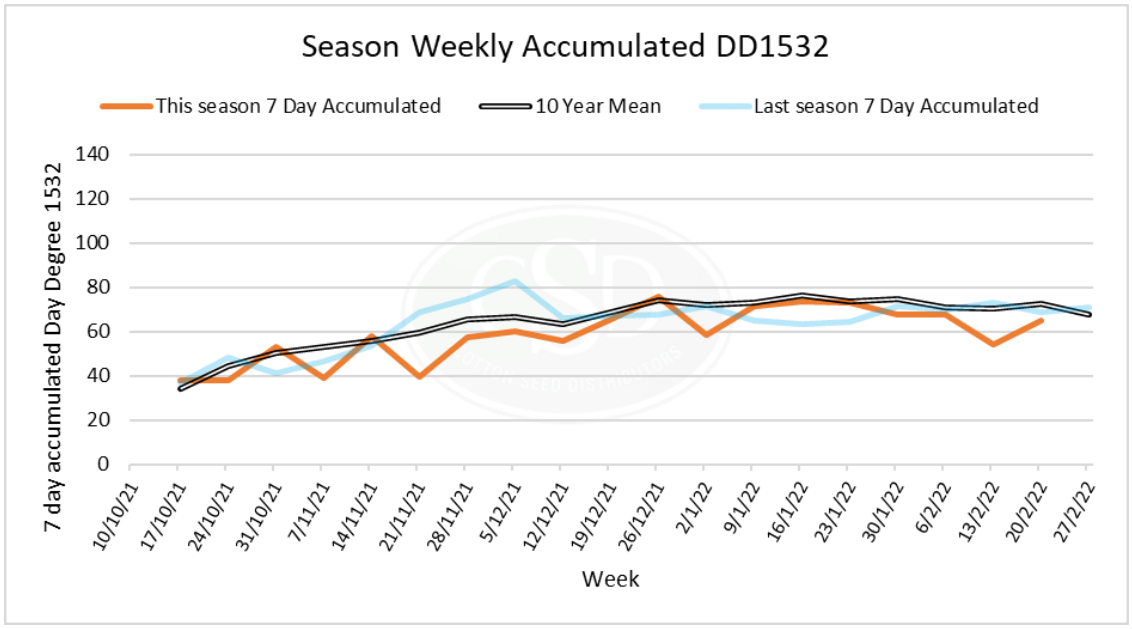
	2021	2020	2019	2018	2017	10 year mean
Base 12	1747.6	1900.5 ▲	2070.0 ▲	2046.5 ▲	1922.9 ▲	1942.6 ▲
DD1532*	1151.5	1240.0 ▲	1315.1 ▲	1323.6 ▲	1222.4 ▲	1260.5 ▲
Cold shock days (≤ 11°C)	9	5 ▼	11 ▲	2 ▼	3 ▼	6.3 ▼
Days above 36°C	19	35 ▲	62 ▲	55 ▲	49 ▲	40.0 ▲
Nights above 25°C	1	1	9 ▲	2 ▲	5 ▲	4.0 ▲
Days above 40°C	0	6 ▲	13 ▲	10 ▲	10 ▲	8.6 ▲
Total rainfall (mm)	425.6	308.9 ▼	232.0 ▼	180.6 ▼	205.9 ▼	250.5 ▼
Total radiation (MJ/m^2)	2906.0	3051.4 ▲	3222.7 ▲	3270.4 ▲	3245.3 ▲	2906.7 ▲
Average temperature (°C)	24.7	25.8 ▲	27.0 ▲	26.9 ▲	26.0 ▲	26.1 ▲

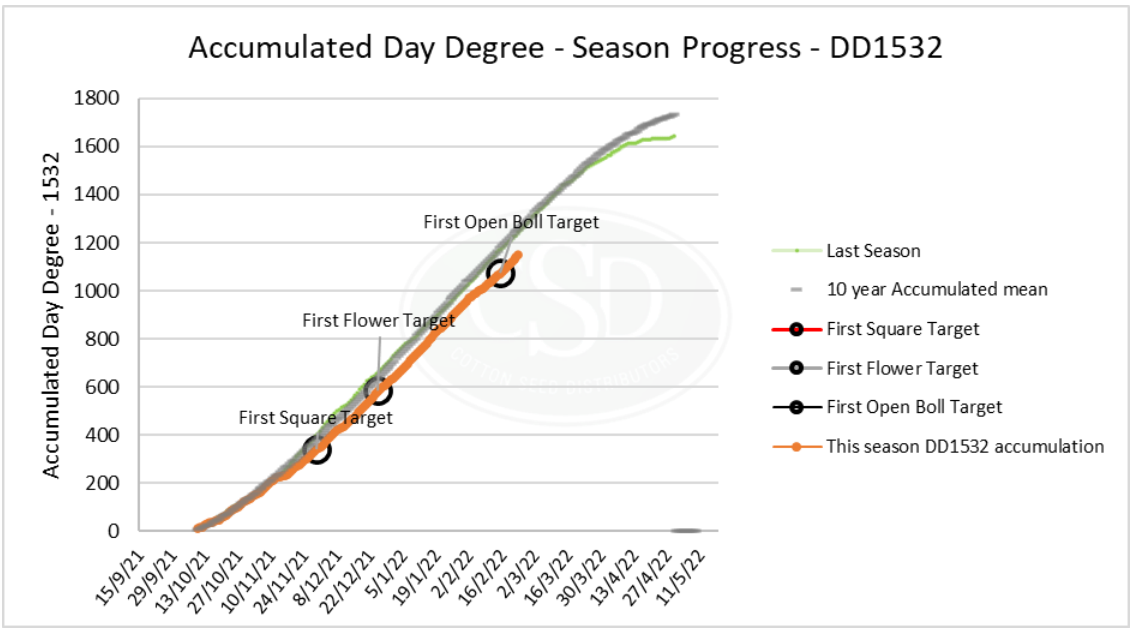
* Experimental calculation.

Climate observations and data are obtained via the State of Queensland SILO patched point dataset.

CottonInfo **Information** *when you need it*

Macintyre crop check





CottonInfo **Information** *when you need it*

Macintyre crop check

Day degrees for the season remains below the 10 year mean while radiation has caught up and is now on-par with the 10 year mean. Mostly warm days, cool nights and clear conditions have made for good growing conditions for the crop.

AREA	Macintyre Valley
Crop Stage	• Main planting at cut out stage. Cut out pix being applied to some. • Early crops at boll open stage and late crops at early flower.
Irrigation	• Early plant approaching final irrigation while bulk has a "couple to go" (depending on weather).
Insects/Beneficial	• GVB and Cotton Stainers prevalent especially to east of town, otherwise scattered along with mirids. • Broad mites building in some crops • Scattered aphids – not building so suspect not Cotton aphids • SLW building with control measures planned in higher populations. Parasitism appears low at present.
Weeds	• Sesbania showing up through canopy
Disease	• Fusarium and verticillium impact showing up. • Verticillium has ramped up in last 3 weeks – appearing in new fields.
Environment	• Dryland crops looking for a drink after a good start
Comments	• "Warmer conditions throughout January and February have been very beneficial in catching crops up" • "Early crops will commence defoliation in a month with main crop starting in early April" • "Retention has slipped due to cloudy and warm weather" There have been several episodes of cloudy and slightly wet periods (2-3 days) since mid-January.

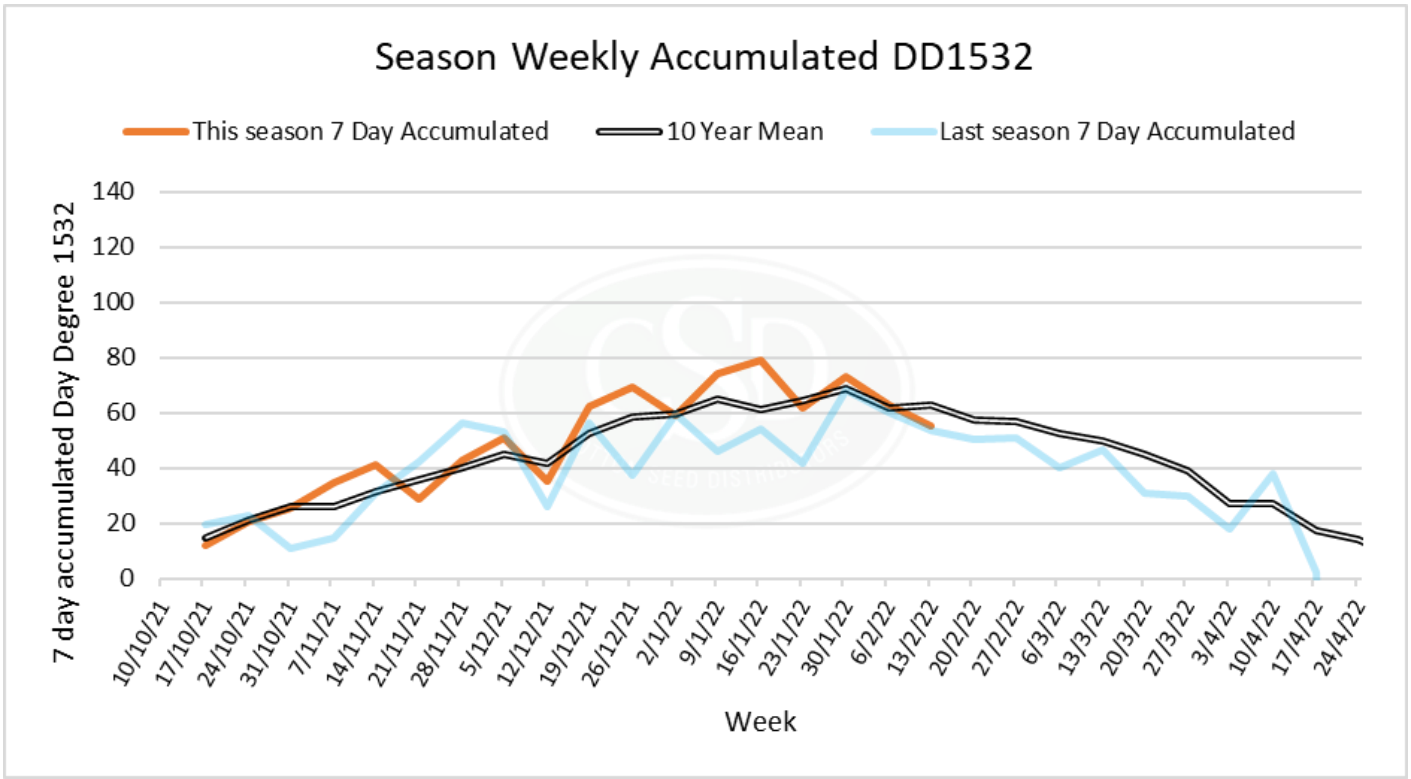
Seasonal Day Degree and historical data is sourced from Cotton Seed Distributors Day Degree Calculator found at www.csd.net.au/ddc. For more specific day degree and crop management detail for your farm, field and variety check out CottonTracka® at www.cottontracka.com.au

CottonInfo **Information** *when you need it*

Macquarie crop check

DATE – Monday 14th February 2022

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.

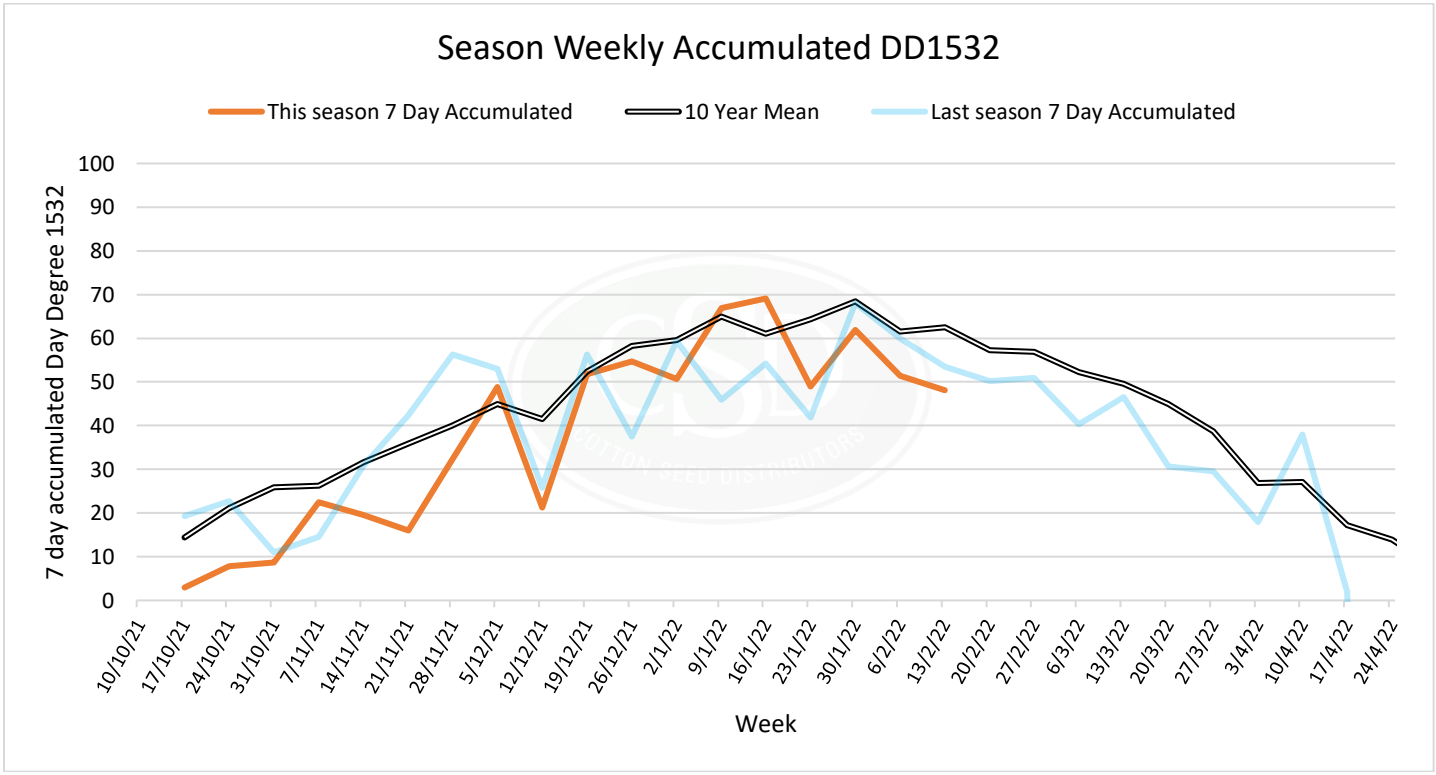


WARREN (MUMBLEBONE PLANTED ON 10TH October 7 DAY ACCUMULATED AVERAGE

	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	10 year mean
Base 12	1455	1624	1862.9	1904.2	1759.8	1769	1696.2	1718.5	1722	1754.7	1726.6
DD1532	895.3	1027.7	1150.6	1218.2	1107.7	1045.8	1108.6	1097.9	1045.9	1067.5	1076.5
Cold shock days (≤ 11°C)	19	12	13	4	7	27	0	10	15	15	12.2
Days above 36°C	16	26	52	54	43	51	32	32	44	47	39.7
Nights above 25°C	0	3	21	23	8	14	2	2	6	6	8.5
Days above 40°C	0	5	25	20	18	20	6	6	10	10	12
Total rainfall (mm)	205.4	238	120.4	84.6	202.6	91.9	213.3	145.2	49.6	74.2	137.6
Total radiation (MJ/m2)	2678.6	2929.8	3002.8	3068.7	3110	3073.2	3056.5	3248.7	3493.3	3352.9	2752.1
Average temperature (°C)	23.1	24.7	26.5	27	25.8	25.5	25.4	25.4	25.3	25.5	25.4

CottonInfo **Information** *when you need it*

Macquarie crop check

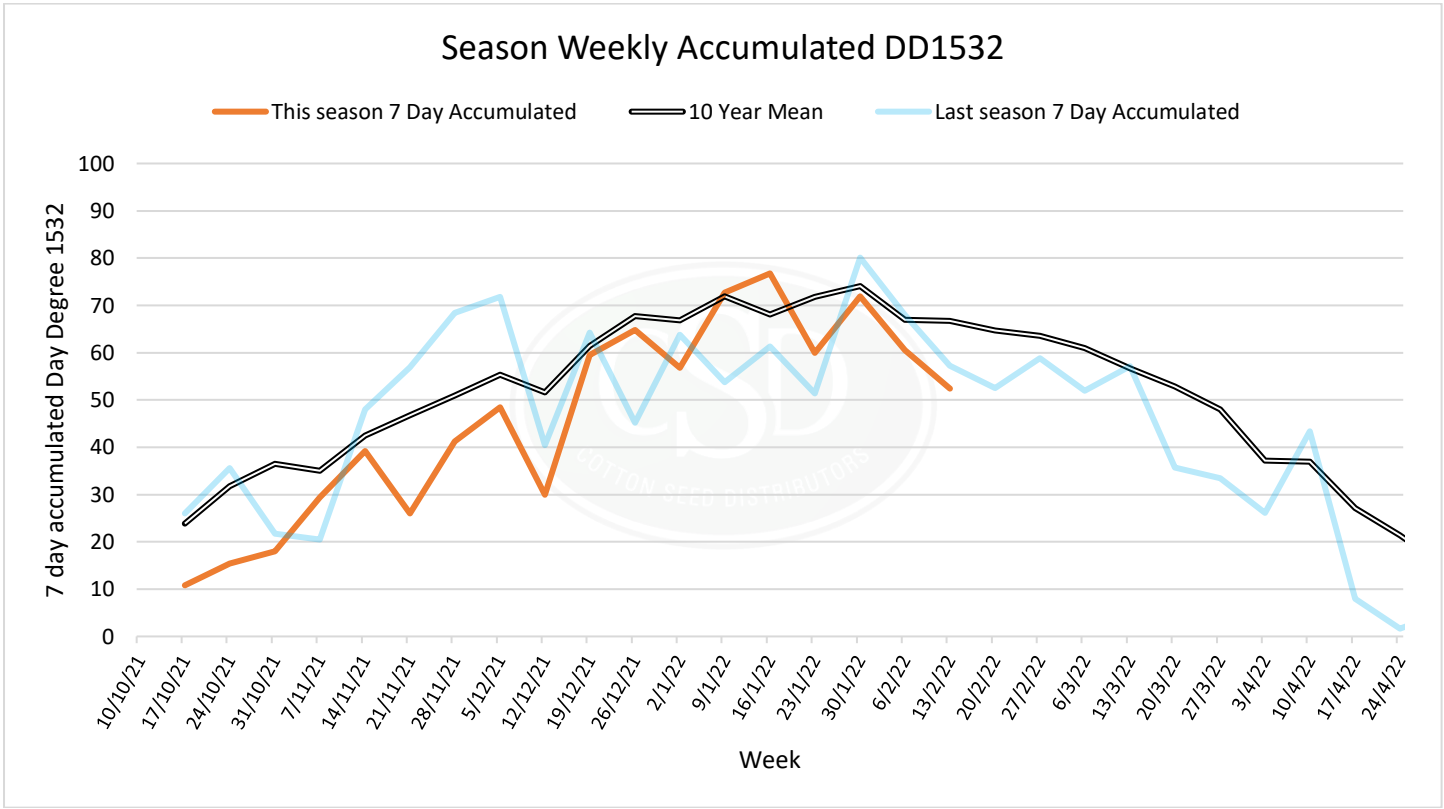


FORBES (AIRPORT) PLANTED 10TH OF OCTOBER 7 DAY ACCUMULATED AVERAGE

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

	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	10 year mean
Base 12	1213.3	1348.9	1617.2	1666.7	1489.8	1508.1	1487.5	1451.7	1458.8	1523.9	1476.6
DD1532	690.4	760.9	912.7	1002.9	856	834.8	904.7	847.6	778.4	856.7	844.5
Cold shock days (≤ 11°C)	29	38	34	23	26	38	18	32	47	33	31.8
Days above 36°C	7	16	40	41	27	36	24	21	33	36	28.1
Nights above 25°C	0	0	4	10	2	1	1	1	1	3	2.3
Days above 40°C	0	3	15	16	11	10	6	2	8	9	8
Total rainfall (mm)	396.8	409.4	131	275.2	141.5	148.8	180.4	177.2	112.6	77.8	193.8
Total radiation (MJ/m2)	2584.9	2886.4	2908.8	2940.5	2988.4	2993.5	2993.8	3243.4	3449.8	3354.7	2689.4
Average temperature (°C)	21.1	22.1	24.1	24.8	23.3	23.1	23.5	22.8	22.6	23.4	23.1

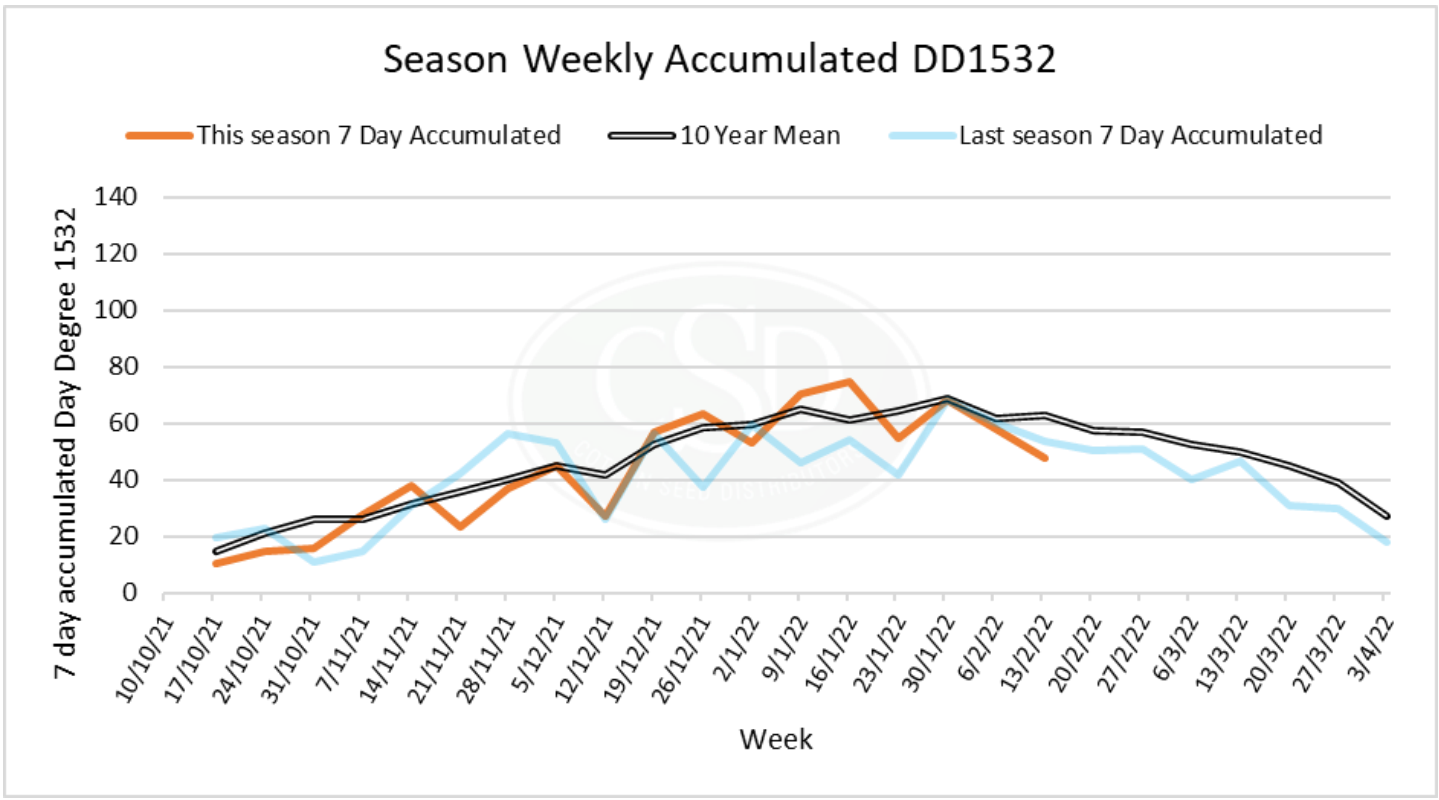
Macquarie crop check



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

	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	10 year mean
Base 12	1397.4	1557.7	1808.8	1818.6	1682.9	1670	1602.7	1648	1648.1	1695.8	1653
DD1532	842.3	958	1106.8	1143.9	1040.2	974.7	1021.7	1034.3	980.9	1026.4	1012.9
Cold shock days (≤ 11°C)	20	17	16	6	12	27	4	16	21	18	15.7
Days above 36°C	16	27	47	52	37	43	29	28	41	46	36.6
Nights above 25°C	0	1	13	16	7	7	2	3	3	6	5.8
Days above 40°C	0	5	23	20	15	15	5	5	8	10	10.6
Total rainfall (mm)	240.8	267.6	133.1	178.4	195	192.8	271.2	147.6	65.4	50.6	167.7
Total radiation (MJ/m2)	2644.3	2911.4	2969.1	3036.8	3093.6	3055.8	3017.5	3232.1	3476.3	3339.3	2730
Average temperature (°C)	22.6	24	26.1	26.2	25.1	24.6	24.6	24.7	24.6	25	24.7

Macquarie crop check

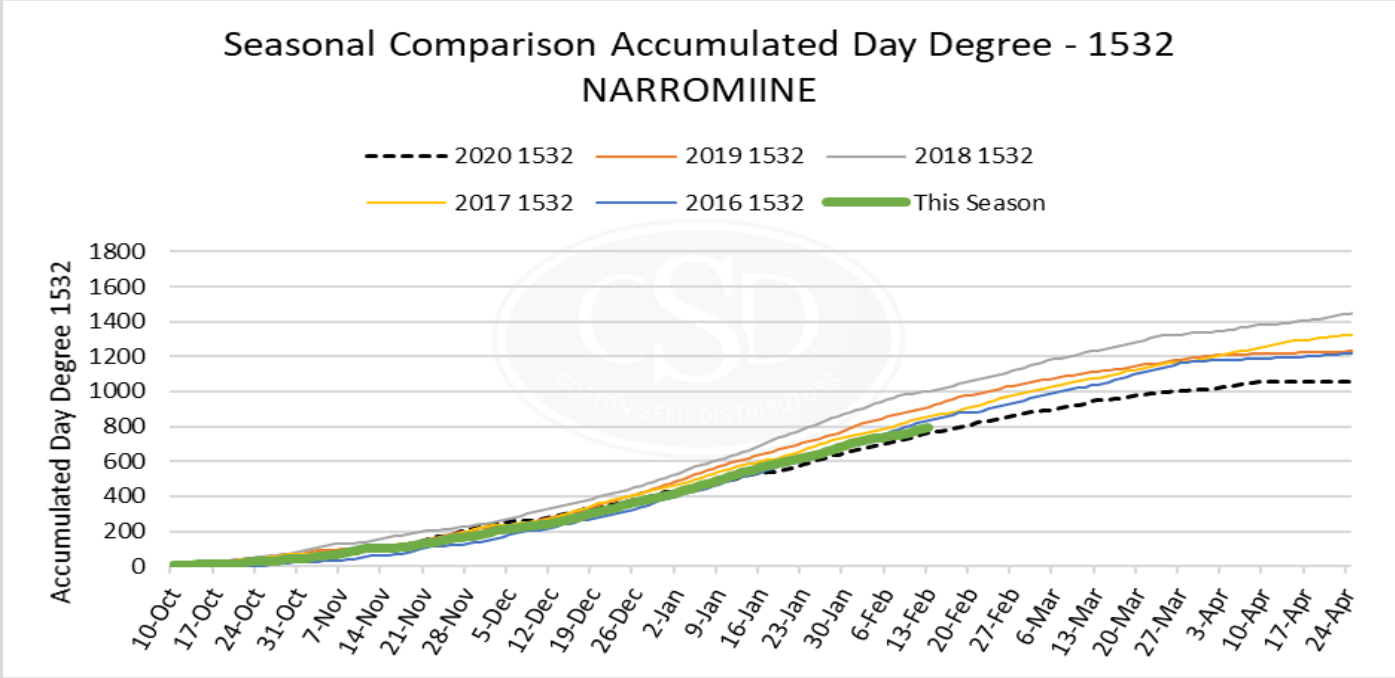


NARROMINE (AIRPORT) PLANTED 10TH OF OCTOBER 7 DAY ACCUMULATED AVERAGE

	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	10 year mean
Base 12	1318.3	1479.7	1755.1	1761	1634.3	1621.1	1555.2	1589.9	1591.2	1640.9	1594.7
DD1532	791.6	900.2	1057.1	1100.1	1000.8	941.1	992.4	994.8	932.3	982	969.2
Cold shock days (≤ 11°C)	22	19	17	10	14	31	4	17	27	22	18.3
Days above 36°C	4	23	44	45	34	42	23	24	38	44	32.1
Nights above 25°C	0	0	7	13	5	8	1	2	2	3	4.1
Days above 40°C	0	3	21	16	14	14	4	3	8	10	9.3
Total rainfall (mm)	375.7	366.2	159.9	231.1	228.8	212.5	311.2	187.2	84.1	86.9	216
Total radiation (MJ/m2)	2620.1	2885.8	2943.1	3015.6	3087.2	3047.7	2982.4	3202.6	3454.3	3313.4	2709.8
Average temperature (°C)	22	23.4	25.6	25.8	24.7	24.2	24.2	24.3	24.1	24.5	24.3

Seasonal Day Degree and historical data 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

Macquarie crop check



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AREA	LACHLAN – Forbes – Lake Cargelligo
Crop Stage	• 19 -22 Nodes (Forbes) •
Irrigation	• 4th Irrigation completed and 36mm rainfall since the last report •
Insects/Beneficial	• Nothing of concern. Very low SLW present and difficult to find nymphs • Previously seeing Green Mirids and Apple Dimpling Bugs, all controlled.
Weeds	• Low numbers • Bladder Ketmia, Caltrop, Awnless Barnyard grass, Stinking goosefoot.
Disease	•

Macquarie crop check

Comments	• Majority of fields which have GR Pix applied will be cut out by the 13th of Feb. Fields that suffered severe damage from hailstorm are having a 2nd cut out application. 1st Magnet application has been completed. Phenoxy damage no worse. •

AREA	MACQUARIE - Trangie Nevertire Narromine Warren
Crop Stage	• 22-25 Nodes 3 – 6 NAWF 100 -120cm tall • 25 – 28 Nodes, 4 – 6 NAWF • 20 Nodes 4 – 5 NAWF • 1st position retention 87%, average plant height 92cm
Irrigation	• 4 – 7 Irrigations YTD • 7th Irrigation starting 13/2 • 6 – 7th irrigation going on now
Insects/Beneficial	• Low level Mirids, patchy Shield Bugs and Red banded Shield Bugs and Green Vege Bugs – All fields have had 0 – 1 spray YTD • Still generally low pressure – Mirids and SLW very quiet, shield bugs numbers reaching threshold in some patches
Weeds	• NO concern – 2 – 4 OTT RR for season • Rotabuck areas and tail drains have been a haven for Volunteer cotton and weeds this season – hard to stay on top with it. •
Disease	• Alternaria after wet/cool nights – Tebuconazole on sprinklers when applying pix – Fusarium OV in known locations over the last three weeks. • Some late season wilts starting to pop up across the valley – Primarily FoV and Verticillium and small patches of sudden wilt.

Macquarie crop check

Comments	• Crop shed / Cavitation small flowers over the last two weeks – all crops cut out with Pix; some rain affected crops have been resprayed. Magnet applications to commence this week. • Crop maturing well under boll load, with earlier crops now approaching cut out. • The crop has set up well and two weeks with some good weather could see high yield potential turning into reality.

With the wilts starting to show up it is important to identify what you're dealing with – the how to on stem cuts and crop management for the wilts are in the publications below
https://cottoninfo.com.au/sites/default/files/documents/Fusarium%20Wilt.pdf

https://www.cottoninfo.com.au/sites/default/files/documents/Reoccurring%20wilt%20ute%20guide.pdf

https://cottoninfo.com.au/publications/cotton-symptoms-guide

https://www.youtube.com/watch?v=hgiatA52nNw&list=PLQy8KAPn-Dyr2PqUtdjUsa5_KQOQ_5ilx&index=3
Verticillium Wilt Video

https://www.cottoninfo.com.au/sites/default/files/documents/Vert%20update%20%28long%29%20-%20August%202016%20v3.pdf

https://cottoninfo.com.au/publications/disease-fast-facts-be-wilt-aware

So, what should you do on your farm?

- Monitor crops for disease symptoms - this information is valuable and used to identify where the disease occurs on the farm and its impact over time.
- Where pathogens are known to be present, plant resistant varieties where possible to assist in controlling diseases.
- Utilise industry pathology services when unusual symptoms or new disease are present. Use this form to send a plant sample for diagnosis. Ensure all farm personnel, contractors and visitors, where possible, are made aware of diseases on farm and unusual disease symptoms are reported.
- Implement an integrated disease management strategy across the whole farm, with tactics including optimal planting date and temperature, nutrition and irrigation.
- Control volunteer and ratoon cotton throughout the year.
- Manage crop residues and consider crop rotations based on best practice for diseases present in the field.
- Ensure vehicles, equipment and people have followed Come Clean Go Clean principles.

- Please double bag all samples and only send FoV to Linda in QLD

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Once again thanks to the consultants who get back to me with these reports, the information is very useful to the industry and to get a heads up of what's going on – If you would like to get a copy of the copies from other valleys just let me know.

Mungindi crop check

14th February 2022

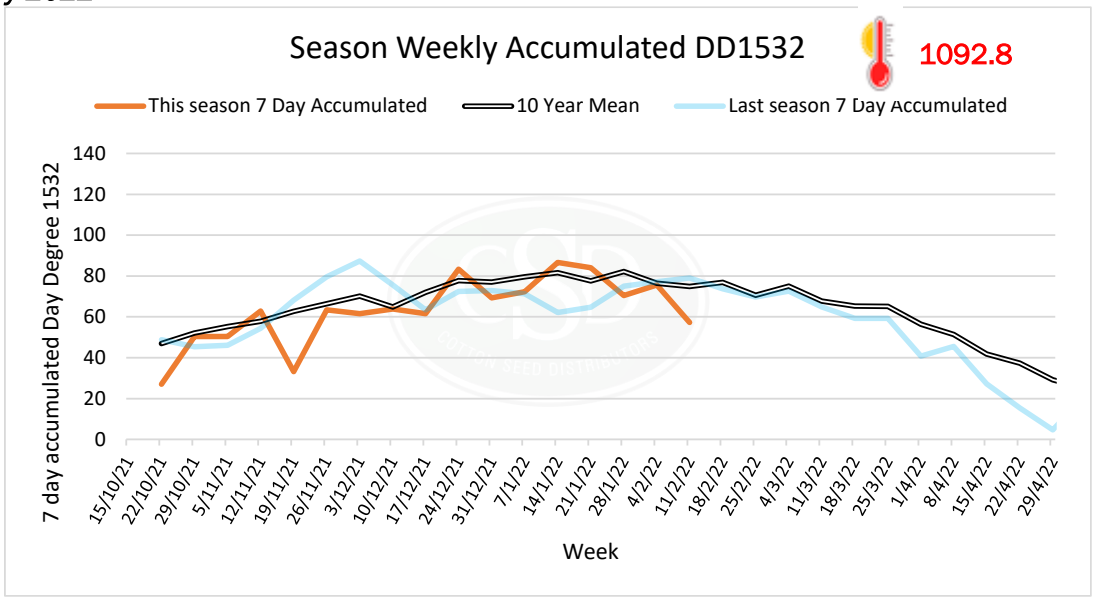


Figure 1: 7-day average DD (1532) compared to 2020/21 and the 10 year average.

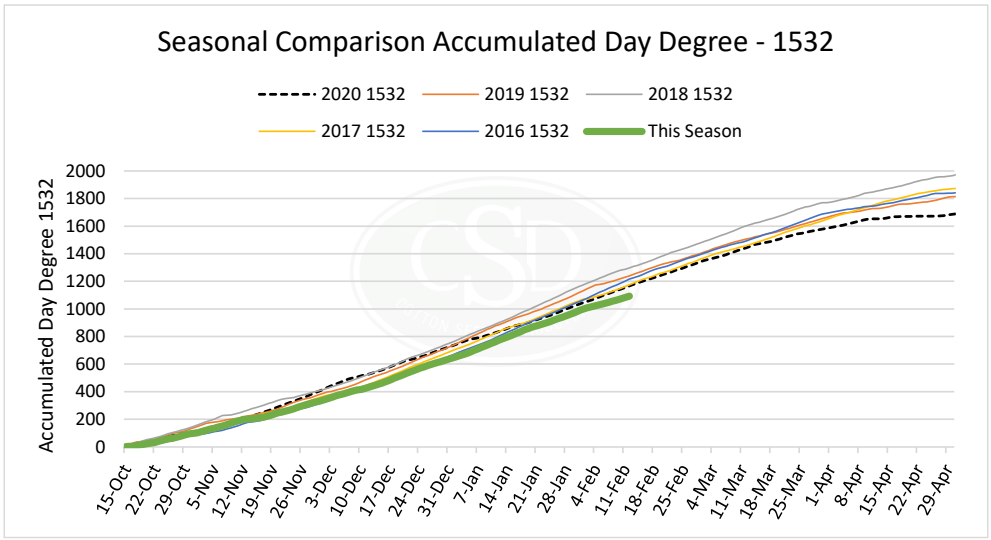


Figure 2: Seasonal Comparison Accumulated Day Degree - 1532

CottonInfo **Information** *when you need it*

Mungindi crop check

Table 1: **Seasonal Information based on 15th October planting date – 12th February 2022 (121 days)**

Summary | Seasonal comparison

	2021	2020	2019	2018	2017	10 year mean
Base 12	1682.9	1798.5 ▲	1987.7 ▲	2024.1 ▲	1866.0 ▲	1897.9 ▲
DD1532*	1092.8	1166.0 ▲	1239.5 ▲	1296.4 ▲	1174.7 ▲	1201.8 ▲
Cold shock days (≤ 11°C)	9	3 ▼	9	1 ▼	3 ▼	5.4 ▼
Days above 36°C	32	39 ▲	74 ▲	68 ▲	56 ▲	57.9 ▲
Nights above 25°C	2	7 ▲	30 ▲	25 ▲	16 ▲	13.2 ▲
Days above 40°C	8	13 ▲	31 ▲	26 ▲	29 ▲	20.8 ▲
Total rainfall (mm)	233.3	275.1 ▲	196.8 ▼	114.0 ▼	136.4 ▼	159.8 ▼
Total radiation (MJ/m^2)	2672.2	2742.4 ▲	2916.5 ▲	3004.0 ▲	2965.7 ▲	2642.1 ▼
Average temperature (°C)	25.8	26.8 ▲	28.3 ▲	28.7 ▲	27.4 ▲	27.6 ▲

* Experimental calculation.

Climate observations and data are obtained via the State of Queensland SILO patched point dataset.

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

CottonInfo **Information** *when you need it*

Mungindi crop check

AREA	Mungindi
Crop Stage	• Irrigated: 14-29 Nodes. Cracked bolls in most advanced fields • Dryland: 22-26 Nodes
Irrigation	• Mostly onto 6th irrigation
Insects/Beneficial	• Mirid low, building on younger cotton • GVB, Red Banded Shield Bugs & Brown Shield Bugs remain low • Low levels of aphids & mites • SLW increasing but still relatively low. Parasitism relatively low *"Mirids have decreased during the past fortnight in the older fields though building in the late / younger fields which still have fresh growth and may require a spray"* *"GVB's and cotton stainers have decreased during the past fortnight"* *"Whitefly starting to increase. Parasitism is increasing but still relatively low. 1st few fields being sprayed this week with Movento"* *"No Pyriproxyfen applied to date"* *"Whitefly nymphs remain at low levels especially on fields which haven't been sprayed"* *"Adult whitefly have increased during the past week though overall still quite low"*
Weeds	*"No issue with weeds"* *"Most irrigated crops now at row closure"*
Disease	*"Verticillium levels staying constant. Generally low but odd fields have moderate Vert levels".* *"Verticillium Wilt still showing up, fusarium not so bad"*
Comments	*"Crops are finishing off well with a decent boll load having been set with cooler temperatures finishing the top crop & vegetative branches off nicely"*

CottonInfo **Information** *when you need it*

Darling Downs crop check

DATE – Friday 25 February 2022 (CC6)

DALBY AIRPORT

Download

Date range: 10 October, 2021 to 27 February, 2022 (141 days).

Summary | Seasonal comparison

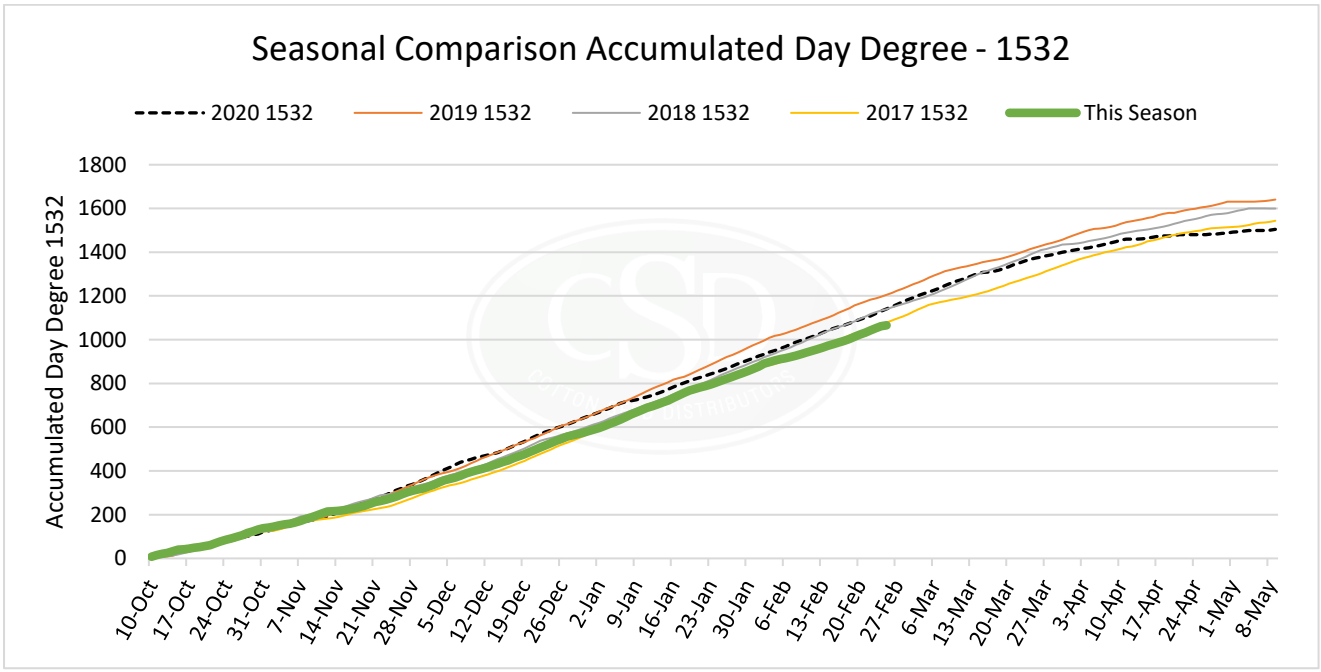
	2021	2020	2019	2018	2017	10 year mean
Base 12	1633.7	1789.7 ▲	1935.0 ▲	1781.5 ▲	1718.5 ▲	1776.3 ▲
DD1532*	1080.6	1161.1 ▲	1223.6 ▲	1155.7 ▲	1096.4 ▲	1146.3 ▲
Cold shock days (≤ 11°C)	8	9 ▲	13 ▲	4 ▼	10 ▲	8.6 ▲
Days above 36°C	2	23 ▲	42 ▲	25 ▲	19 ▲	21.8 ▲
Nights above 25°C	0	0	0	0	1 ▲	0.5 ▲
Days above 40°C	0	4 ▲	3 ▲	1 ▲	3 ▲	2.2 ▲
Total rainfall (mm)	638.2	240.6 ▼	259.6 ▼	300.4 ▼	394.3 ▼	312.3 ▼
Total radiation (MJ/m^2)	2803.8	2984.6 ▲	3251.4 ▲	3239.0 ▲	3207.6 ▲	2865.9 ▲
Average temperature (°C)	23.5	24.6 ▲	25.5 ▲	24.6 ▲	24.1 ▲	24.5 ▲

* Experimental calculation.

Climate observations and data are obtained via the State of Queensland SILO patched point dataset.

CottonInfo **Information** *when you need it*

Darling Downs crop check



AREA	Darling Downs
Crop Stage	• First flower to 9 NACB • Open bolls • 14-22 nodes • Some dryland ready to defoliate
Irrigation	• 9-14 day turnaround • Will need 1-2 more to finish off • Intervals are slowing down • Last irrigation scheduled but lets see what the rain brings

CottonInfo **Information** *when you need it*

Darling Downs crop check

Insects/Beneficial	• GVB and cotton stainers • Aphids • SLWF numbers are low but increasing in blocks beside riparian zones
Weeds	• Have noted an increased tolerance of BYG and milkthistle to roundup • Fleabane – lots of • Some vines escaping sprays • Sesbania and bladder ketmia
Disease	• Significant areas of fusarium in areas that were waterlogged in November • Bunchytop also becoming more prevalent • Fusarium bad in patches
Comments	• Had been dry up until Thursday • More heat needed to finish of crops • Rain is welcomed in many areas • Good fruit load on early crops. Late planted crops at mid flower now • Some crops lost with hail event early on in the week. Partial to full damage in some fields

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