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# Southern NSW crop check

	Southern Valleys
Crop Stage	<ul style="list-style-type: none"> <li>Emerging to 6 nodes, most at 1.5 to 2 nodes</li> </ul>
Irrigation	<ul style="list-style-type: none"> <li>Not yet but as fields dry back first irrigation timing will be critical to get right with some slowly developing root systems</li> </ul>
Insects/Beneficials	<ul style="list-style-type: none"> <li>No concerns at this stage</li> <li>Thrips in low numbers but expecting to build</li> </ul>
Weeds	<ul style="list-style-type: none"> <li>First in crop herbicide spray done on most fields</li> </ul>
Disease/Environmental	<ul style="list-style-type: none"> <li>More Rhizoctonia than normal</li> <li>Some Alternaria on cotyledons</li> <li>Known BRR fields very slow in development</li> </ul>
Comments	<ul style="list-style-type: none"> <li>Early October planted very similar to 20<sup>th</sup> October planted</li> <li>10<sup>th</sup> October planted looks the best so far</li> <li>Area planted estimated at Lower Lachlan 3,000 ha, Murrumbidgee 44,000 ha and Murray 4000 ha</li> </ul>

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# Southern NSW crop check

**18<sup>th</sup> November 2022 Griffith 87.2 1532 DDs (56 % of 10-year average)**

## GRIFFITH AIRPORT AWS

Date range: 1 October, 2022 to 17 November, 2022 (48 days).

[Download](#)

[Summary](#)

[Seasonal comparison](#)

	2022	2021	2020	2019	2018	10 year mean
Base 12	273.3	299.8 ▲	393.7 ▲	384.5 ▲	405.9 ▲	371.7 ▲
DD1532*	87.2	95.5 ▲	186.7 ▲	156.0 ▲	189.4 ▲	156.6 ▲
Cold shock days ( $\leq 11^{\circ}\text{C}$ )	24	32 ▲	21 ▼	32 ▲	27 ▲	26.4 ▲
Days above 36°C	0	0	1 ▲	3 ▲	2 ▲	1.6 ▲
Nights above 25°C	0	0	0	1 ▲	1 ▲	0.2 ▲
Days above 40°C	0	0	0	0	0	0.1 ▲
Total rainfall (mm)	283.6	69.4 ▼	59.6 ▼	47.8 ▼	84.4 ▼	73.8 ▼
Total radiation (MJ/m <sup>2</sup> )	788.4	914.5 ▲	1017.9 ▲	1081.9 ▲	998.7 ▲	912.7 ▲
Average temperature (°C)	16.3	16.7 ▲	19.3 ▲	18.6 ▲	19.6 ▲	18.5 ▲

\* Experimental calculation.

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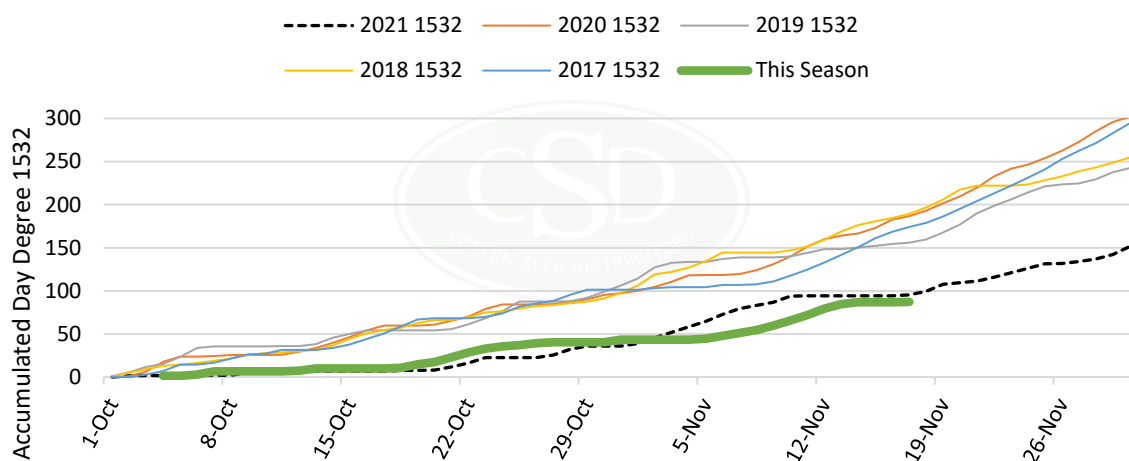


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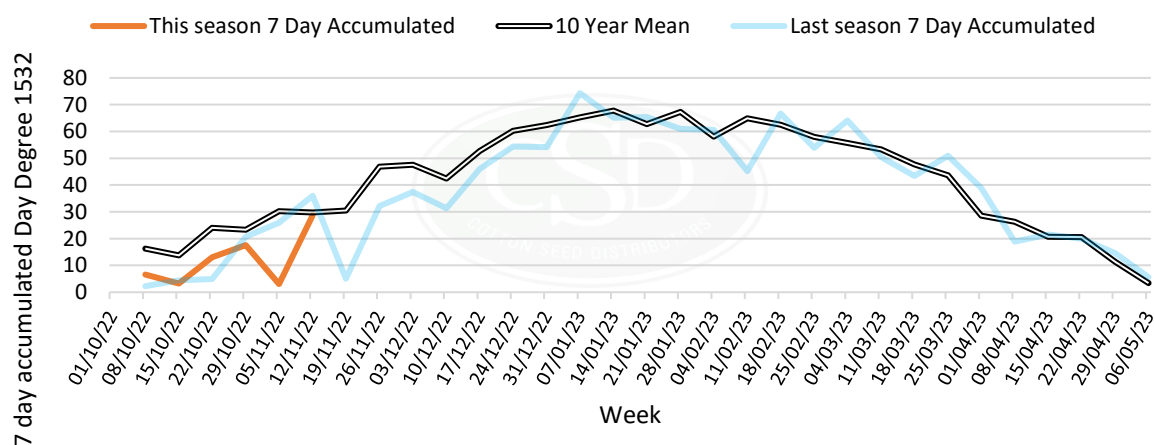


# Southern NSW crop check

Seasonal Comparison Accumulated Day Degree - 1532



Early Season Weekly Accumulated - DD1532



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# Balonne crop check

**DATE** – 15 November 2022

ST GEORGE AIRPORT

Date range: 10 October, 2022 to 15 November, 2022 (37 days).

Download

Summary

Seasonal comparison

	2022	2021	2020	2019	2018	10 year mean
Base 12	340.3	423.5 ▲	423.8 ▲	437.3 ▲	494.9 ▲	438.5 ▲
DD1532*	196.3	267.6 ▲	270.6 ▲	262.7 ▲	320.3 ▲	273.3 ▲
Cold shock days ( $\leq 11^{\circ}\text{C}$ )	7	5 ▼	3 ▼	10 ▲	1 ▼	4.8 ▼
Days above $36^{\circ}\text{C}$	0	3 ▲	2 ▲	4 ▲	8 ▲	4.1 ▲
Nights above $25^{\circ}\text{C}$	0	0	0	1 ▲	2 ▲	0.6 ▲
Days above $40^{\circ}\text{C}$	0	1 ▲	0	0	3 ▲	0.9 ▲
Total rainfall (mm)	134.8	85.6 ▼	47.6 ▼	4.6 ▼	40.4 ▼	48.5 ▼
Total radiation ( $\text{MJ}/\text{m}^2$ )	731.1	790.1 ▲	832.1 ▲	894.6 ▲	827.9 ▲	767.1 ▲
Average temperature ( $^{\circ}\text{C}$ )	20.9	23.3 ▲	23.4 ▲	23.4 ▲	25.3 ▲	23.6 ▲

\* Experimental calculation.

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

## Accumulated day degree 'targets' after seed imbibed

Cotton development	DD Base 12** (Industry standard)	Experimental DD 1532
Emergence	80	50
First square	505 <sup>a</sup>	339
First flower	777 <sup>a</sup>	584
First open boll	1527 <sup>a</sup>	1077

<sup>a</sup> Please note that DD Base 12 targets to first square, first flower and first open boll will increase by 5.2 DD for EACH cold shock event - please adjust your target accordingly.

Targets relate to specific developmental events.

\*\* Source: Australian Cotton Production Manual 2019 (page 8).



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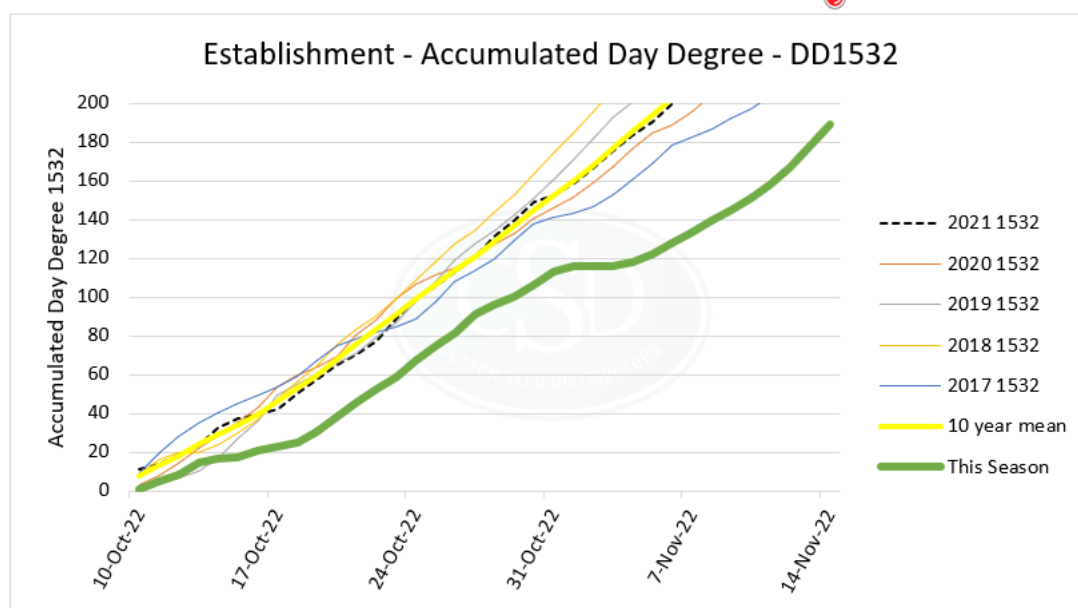
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# Balonne crop check

## Balonne

Season Total 1532 Day Degree Accumulation  **196.30**



Day degree accumulation for the season has been slow with cold shocks (7) above the 10-year average (4.8) and average temperature nearly 3°C below the 10-year average. Combined with wet conditions (well above average) and restricted bed preparation, it has made for a slow start for crops. Surprisingly, the radiation accumulated is not that much below the 10-year average. While this means little at this stage of the season, researcher investigation into some of the phenomenal yields produced in central Qld last season, has identified an absence of extreme temperatures (hot and cold) and above average radiation for the season as being possible contributors to these results.

AREA	Balonne
Crop Stage	<ul style="list-style-type: none"> <li>Some planting still happening and ranges through to 7-8 leaf, Bulk of crops around the 4 leaf stage.</li> <li>Replant area has been minor and due to inundation or hail for a few.</li> </ul>
Irrigation	<ul style="list-style-type: none"> <li>Plenty of water.</li> <li>Some later plant crops to be watered up, most advanced likely to be irrigated in the next week.</li> </ul>



## Balonne crop check

<b>Insects/Beneficials</b>	<ul style="list-style-type: none"> <li>• Light mirid pressure, occasional thrips – generally near wheat crops</li> <li>• Helicoverpa egg lays evident</li> </ul>
<b>Weeds</b>	<ul style="list-style-type: none"> <li>• Generally ok although some pressure where residuals were unable to be applied prior to crop.</li> <li>• Fleabane in most crops and targeted with cultivation but some escapees in plant lines.</li> </ul>
<b>Disease</b>	<ul style="list-style-type: none"> <li>• BRR in heavier fields and some Rhizoctonia.</li> <li>• Fusarium evident in fields with history.</li> <li>• Crops starting to grow through these with improved temperatures</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>• Generally an Ok start despite wet and cool conditions and most plant stands good and consistent.</li> </ul>

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# Darling Downs crop check

**DATE** – Friday 11 November 2022 (CC1)

**Season Total 1532 Day Degree Accumulation**



**181.35**

**DALBY AIRPORT**

**Date range:** 10 October, 2022 to 22 November, 2022 (44 days).

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[Summary](#)

[Seasonal comparison](#)

	2022	2021	2020	2019	2018	10 year mean
Base 12	361.9	435.5 ▲	470.7 ▲	495.8 ▲	465.6 ▲	457.4 ▲
DD1532*	177.0	262.0 ▲	280.8 ▲	277.8 ▲	289.1 ▲	266.9 ▲
Cold shock days ( $\leq 11^{\circ}\text{C}$ )	16	7 ▼	8 ▼	12 ▼	1 ▼	8.2 ▼
Days above $36^{\circ}\text{C}$	0	0	5 ▲	7 ▲	3 ▲	3.0 ▲
Nights above $25^{\circ}\text{C}$	0	0	0	0	0	0.0
Days above $40^{\circ}\text{C}$	0	0	0	0	0	0.1 ▲
Total rainfall (mm)	77.6	265.8 ▲	51.8 ▼	8.6 ▼	152.6 ▲	76.3 ▼
Total radiation ( $\text{MJ}/\text{m}^2$ )	886.7	861.0 ▼	991.6 ▲	1064.9 ▲	949.3 ▲	884.5 ▼
Average temperature ( $^{\circ}\text{C}$ )	19.6	21.7 ▲	22.5 ▲	22.7 ▲	22.5 ▲	22.0 ▲

\* Experimental calculation.

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# Darling Downs crop check

AREA	Darling Downs
<b>Crop Stage</b>	<ul style="list-style-type: none"> <li>• Emergence to 5 leaf/3 nodes</li> <li>• Not planted – 6 leaf</li> <li>• cotyledon</li> </ul>
<b>Irrigation</b>	<ul style="list-style-type: none"> <li>• not needed yet</li> <li>• may need to flush soon to maintain plant stand</li> <li>• haven't needed due to rain</li> </ul>
<b>Insects/Beneficial</b>	<ul style="list-style-type: none"> <li>• low to moderate thrips</li> <li>• no thrip damage yet</li> <li>• low level wire worm and earwig damage in last years sorghum blocks</li> <li>• symphylids</li> </ul>
<b>Weeds</b>	<ul style="list-style-type: none"> <li>• Fleabane and FTRG</li> <li>• Vines</li> <li>• Fleabane control has been difficult</li> <li>• Pre emerge herbicides working well</li> <li>• Clean after planting sprays</li> </ul>
<b>Weather</b>	<ul style="list-style-type: none"> <li>• Wet still in some areas</li> <li>• Bit cold and rough on crops planted 2 weeks ago</li> <li>• Good conditions for dryland</li> <li>• Still wet in some areas but good to get a couple of weeks with dry weather</li> <li>• Too cold</li> <li>• Temps below average. Earlier crops taking 10 days to emerge. Later planted crops taking 4 days to emerge</li> <li>• Longest dry spell – hasn't rained in 10 days</li> <li>• Access to farms is difficult with lying water</li> </ul>





# Darling Downs crop check

<b>Disease</b>	<ul style="list-style-type: none"> <li>• Seedling disease in back to back cotton</li> <li>• Very low</li> <li>• Low levels of rhizoctonia and pythium</li> <li>• The usual suspects</li> <li>• None to report yet</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>• Irrigated about 90% planted but dryland about 50% planted</li> <li>• Couple of field of full replant</li> <li>• Some patch replant needed</li> <li>• Early stands are a little light on with 7-8 plants/mt</li> <li>• Much better seedling establishment this year verses last year</li> <li>• Tough slow start lining up for another late crop</li> <li>• Some heat and sun needed and perhaps 5-10 mm</li> <li>• More replant due to cold, poor strike and uneven establishment</li> </ul>

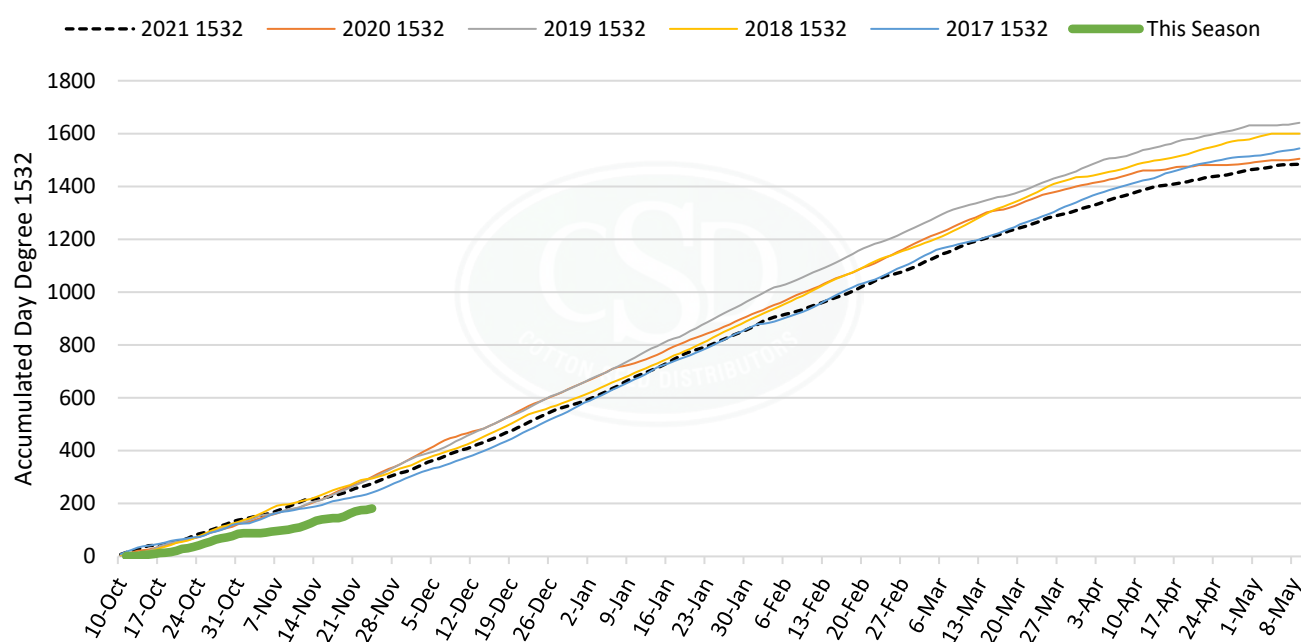


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# Darling Downs crop check

Seasonal Comparison Accumulated Day Degree - 1532



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# Macintyre crop check

DATE – 15 November 2022

GOONDIWINDI AIRPORT

Date range: 24 October, 2022 to 14 November, 2022 (22 days).

Download

Summary Seasonal comparison

	2022	2021	2020	2019	2018	10 year mean
Base 12	198.6	238.2 ▲	239.6 ▲	260.5 ▲	288.7 ▲	256.9 ▲
DD1532*	113.5	151.3 ▲	150.6 ▲	158.9 ▲	182.0 ▲	160.6 ▲
Cold shock days ( $\leq 11^{\circ}\text{C}$ )	5	2 ▼	2 ▼	5	1 ▼	2.7 ▼
Days above $36^{\circ}\text{C}$	0	1 ▲	0	3 ▲	5 ▲	2.4 ▲
Nights above $25^{\circ}\text{C}$	0	0	0	0	0	0.0
Days above $40^{\circ}\text{C}$	0	0	0	0	2 ▲	0.4 ▲
Total rainfall (mm)	45.1	66.6 ▲	21.2 ▼	0.9 ▼	16.5 ▼	26.8 ▼
Total radiation ( $\text{MJ}/\text{m}^2$ )	498.4	449.7 ▼	509.6 ▲	541.5 ▲	525.4 ▲	468.9 ▼
Average temperature ( $^{\circ}\text{C}$ )	20.7	22.7 ▲	22.8 ▲	23.5 ▲	25.1 ▲	23.5 ▲

\* Experimental calculation.

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## Accumulated day degree 'targets' after seed imbibed

Cotton development	DD Base 12** (Industry standard)	Experimental DD 1532
Emergence	80	50
First square	505 <sup>A</sup>	339
First flower	777 <sup>A</sup>	584
First open boll	1527 <sup>A</sup>	1077

\* Please note that DD Base 12 targets to first square, first flower and first open boll will increase by 5.2 DD for EACH cold shock event - please adjust your target accordingly.  
Targets relate to specific developmental events.

\*\* Source: Australian Cotton Production Manual 2019 (page 8).



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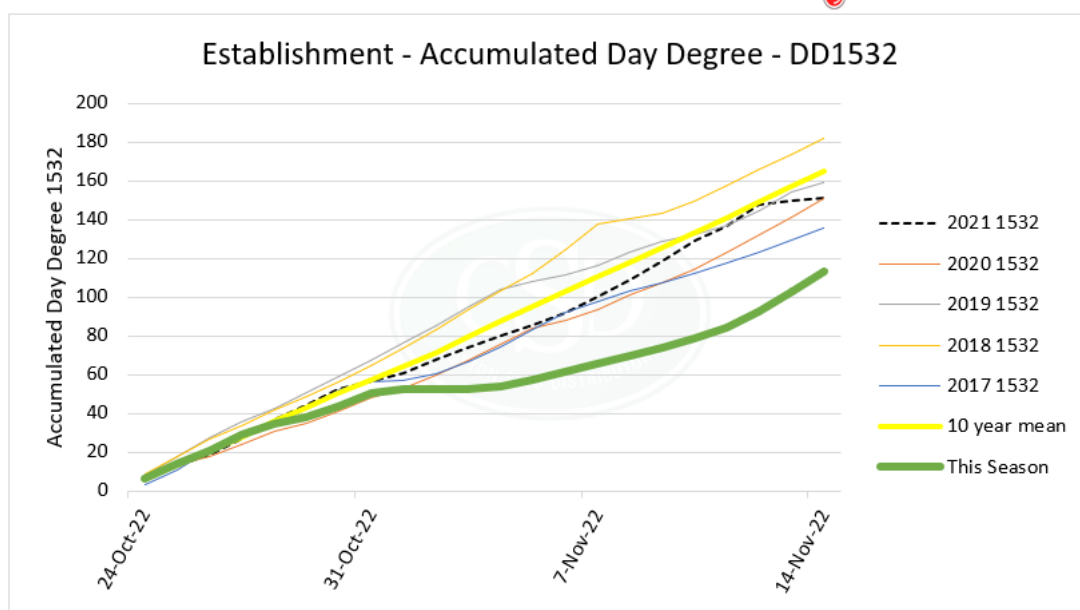




# Macintyre crop check

## MacIntyre

Season Total 1532 Day Degree Accumulation  **113.50**



Day degrees (1532 system) for the season have been slow to accumulate, which is not surprising with the average temperature being nearly 3°C below the 10-year average. This, when combined with the 5 cold shocks (below 12°C and nearly double the 10-year average of 2.7) has made for slow growing conditions. Interestingly, the solar radiation so far is above the 10-year average and the previous season. Researcher investigation into some of the phenomenal yields produced in central Qld last season, has identified an absence of extreme temperatures (hot and cold) and above average radiation for the season as being possible contributors to these results.

AREA	Macintyre Valley
Crop Stage	<ul style="list-style-type: none"> <li>Estimates are 85-95% of irrigated crop has been planted with &lt;5% replant although this varies from whole fields to small sections (often tail drain areas). Dryland area mostly still being planted. Crops range from emerging to 4-5 leaf.</li> <li>Some earlier sown crops resulted in poor establishment and “weak” plant stands.</li> </ul>
Irrigation	<ul style="list-style-type: none"> <li>Some crops have been flushed up making for slow growth with the cold weather.</li> <li>Water supplies have been described as “full”, “good”, “plentiful” etc.</li> </ul>

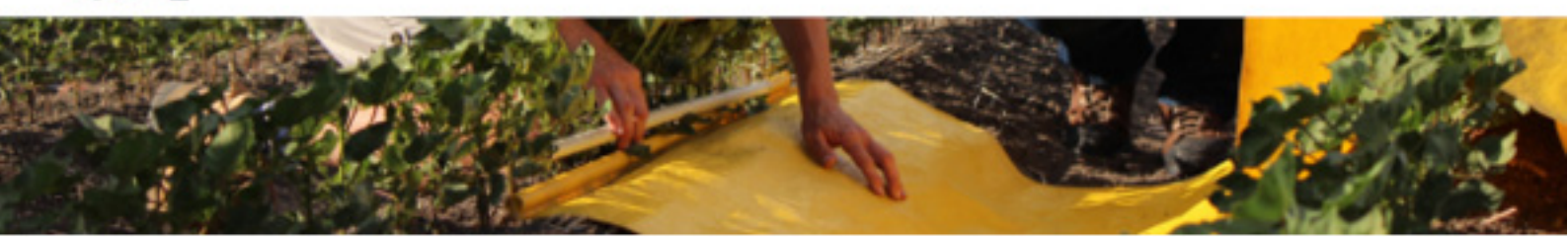


# Macintyre crop check

<b>Insects/Beneficial</b>	<ul style="list-style-type: none"> <li>Low to moderate thrip pressure but of no real concern.</li> </ul>
<b>Weeds</b>	<ul style="list-style-type: none"> <li>Planting sprays keeping things in check however some getting through (fleabane) and likely to require cultivation.</li> </ul>
<b>Disease</b>	<ul style="list-style-type: none"> <li>BRR and other seedling diseases present especially on earlier crops</li> <li>Back-to-back fields and those with history showing disease</li> </ul>
<b>Environment</b>	<ul style="list-style-type: none"> <li>Wet conditions have hampered field preparation and sowing opportunities. Farm access difficult for some.</li> <li>Mild and cool start</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>"Crop extremely slow out of the ground with the cold snap"</li> </ul>

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## CQ crop check

DATE: 29/11/2022

AREA	Central Queensland
<b>Crop Stage</b>	<ul style="list-style-type: none"> <li>Crops range from planting, emerging, 10 – 22 nodes</li> <li>Some earlier sown crops are well into flowering</li> </ul>
<b>Irrigation</b>	<ul style="list-style-type: none"> <li>Had first in crop irrigation in the earlier planted cotton</li> <li>Some later planted crops to be watered up.</li> <li>Water supplies have been described as “full”, “good”, “plentiful” etc.</li> </ul>
<b>Insects/Beneficial</b>	<ul style="list-style-type: none"> <li>Increasing mirid activity – insecticide being applied in some paddocks</li> <li>Small pressure of mites and aphids</li> <li>Lady beetles, spiders, lacewings, red and blue beetles</li> </ul>
<b>Weeds</b>	<ul style="list-style-type: none"> <li>Moderate level</li> <li>Volunteer sorghum and mung beans in some fallow paddocks</li> <li>Parthenium and sesbania</li> <li>Good conditions for dryland</li> <li>Cultivation and side dressing in earlier planted cotton</li> </ul>
<b>Disease</b>	<ul style="list-style-type: none"> <li>Back-to-back fields and those with history showing disease</li> <li>Black root rot and verticillium wilt</li> </ul>
<b>Environment</b>	<ul style="list-style-type: none"> <li>Wet conditions have hampered field preparation and sowing opportunities.</li> <li>Mild and cool start</li> <li>Temps below average</li> <li>Earlier crops taking 10 days to emerge</li> <li>Later planted crops taking 4 days to emerge</li> </ul>

### Increased pressure in the field for Fusarium Wilt this season: disease surveys

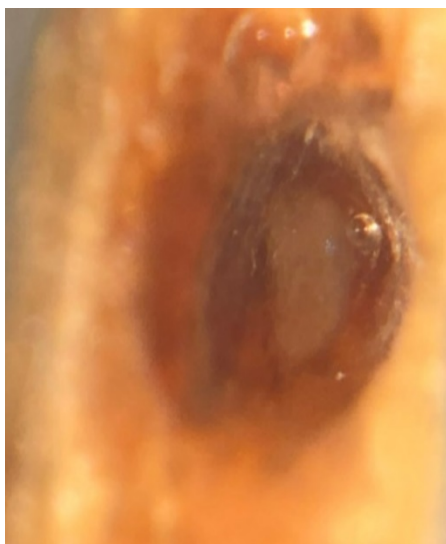
Linda Smith from QDAF recently visited CQ to carry out targeted Disease Surveys and has reported back her findings below:

Five fields (2 farms) were surveyed on the 28 Nov 2022 in Callide Dawson as part of our targeted surveys to support research to understand practices that support the development of disease suppressive soils. One field with a known history of Fusarium wilt disease was determined to have an average incidence of 16%. Anything that slows down germination and seedling growth, which includes cool and/or wet weather, favours infection by seedling disease and Fusarium wilt. An additional drain on cotton during the establishment phase is reniform nematode which is prevalent in cotton fields in Callide Dawson. This plant-parasitic nematode feeds on plant roots causing damage to the plant resulting in stunting and generally poor plant growth. Root samples collected from cotton during surveys confirmed infection of the parasite in seedlings (Fig 2). Unfortunately, if the cool and wet conditions continue, there is likely to be significant Fusarium wilt disease observed this season across several cotton growing regions.





**Fig 1. Cotton seedlings displaying symptoms of Fusarium wilt including stunting, wilting, leaf chlorosis and necrosis**



**Fig 2. Reniform nematode observed (using a dissecting microscope) in a seedling cotton root. Reniform nematode is prevalent in cotton fields in Callide Dawson.**

## DISEASES

### Fusarium wilt

Pathogen: *Fusarium oxysporum* f. sp. *vasinfectum* (Fov)

### Symptoms

External symptoms include stunted growth and dull and wilted leaves followed by leaf yellowing or browning and eventual death from the top of the plant. Some affected plants may reshoot from the base of the stem. These symptoms most commonly become apparent in the seedling phase when plants are beginning to develop true leaves, or after flowering during bulb fill. Symptoms can appear as individual plants or as a small patch, often near the tail drain or low-lying areas of the field.

Internal symptoms can be checked by cutting the stem. Infected plants will reveal continuous brown discoloration of the stem tissues from the main root up into the stem. The discoloration is similar to Verticillium wilt but usually appears as continuous browning rather than flecking.

**Favoured by**

- Use of susceptible varieties.
- Stresses in the crop – e.g. waterlogging, root damage through cultivation, cool and wet growing conditions.
- Poor farm hygiene on and between farms and districts.

**Host range**

The Fov pathogen is specific to cotton but can also live in the residues of most non-host crops. Bladder ketmia, sesbania pea, dwarf amaranth, bellvine and wild melon are alternative weed hosts that show no external symptoms. These weeds may act as an on-farm reservoir for the disease and need to be constantly managed.

### IDM tactics

- If your farm is free from this disease, keep it that way! Ensure all staff and contractors practice good farm hygiene and Come Clean. Go Clean.
- Select varieties with a high F rank and use BION<sup>®</sup> Plant Activator.
- If possible, delay planting until soil temperatures are 16°C and rising.
- Manage the crop to avoid stresses such as waterlogging, over-fertilisation and root damage.
- Avoid mechanical inter-row cultivation if possible, as this can cause root damage that provides an entry point for the pathogen.



**Fusarium wilt:** Wilting and dying plants are often observed at the tail drain. (Jacks Smith, ONDAS)

- Regularly inspect fields for early detection and containment of isolated outbreaks. Send any suspect samples to Dr Linda Smith (DIO DAF).
- Avoid affected areas from irrigation flows and traffic.
- Minimize any water from affected fields.
- After harvest, root pull and/or root crop residues on the surface for at least a month (90-120 days if possible) prior to incorporation. Raking and burning the whole field is likely to spread any pathogen present.
- Fusarium can survive on non-host crop residues. Avoid green manure crops as this returns organic matter to the field which Fusarium can survive on as a saprophyte.
- Rotate with non-hosts for up to 3 years. Hosts such as legumes can potentially increase disease. A summer sorghum/mulch-late cotton rotation can increase cotton plant survival, reduce disease incidence and increase yield in the third year compared to continuous cotton.

Cellenlife videos:  
Managing Fusarium with <https://youtu.be/CzsuGXRD0w>  
Post-harvest management of Fusarium with <https://youtu.be/NDs04FTN71I>



Dark brown discolouration observed in cross sections of cotton stems infected with Fov. (Janellie Martinson, CottonLab)

***For more information in Integrated Disease Management for Fusarium Wilt consult with the Cotton Production Manual Guide 2022.***

**Available to access and download on the CottonInfo website:  
CPMG 2022 FOR WWW.pdf (cottoninfo.com.au)**



## CQ crop check

Day degrees (1532 system) for the season have been slow to accumulate, which is not surprising with the average temperature being nearly 2-3°C below the 10-year average.

This, when combined with the 3-5 extra cold shocks has made for slow growing conditions.

### Callide Dawson

Date range: 1 August, 2022 to 28 November, 2022 (120 days).

Summary Seasonal comparison

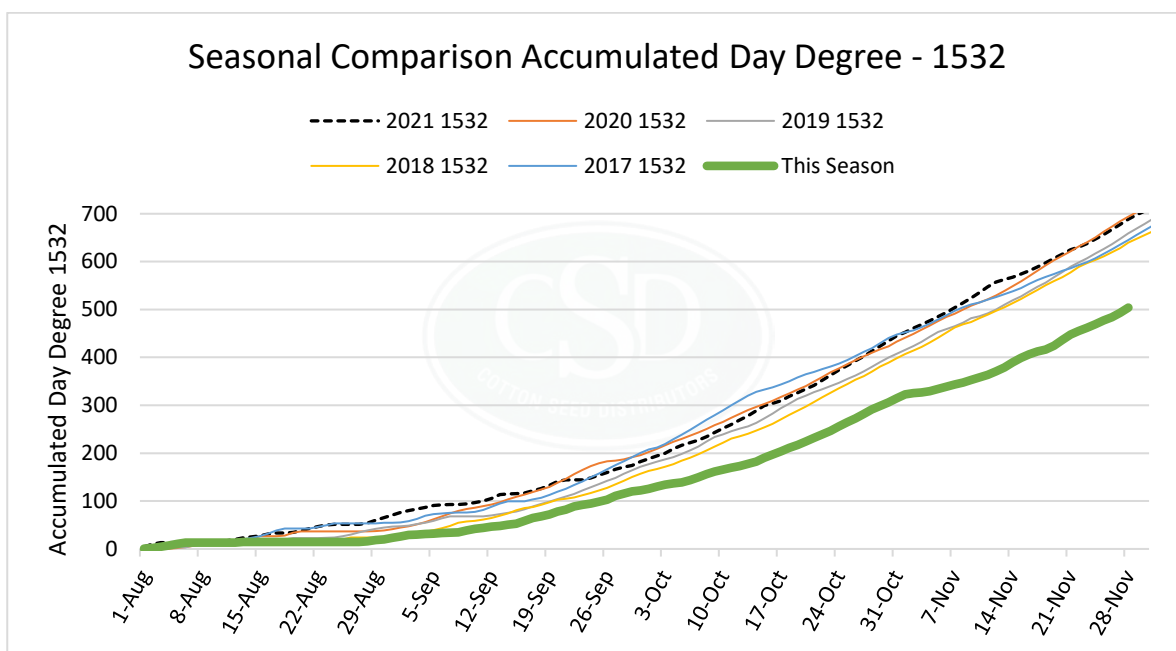
	2022	2021	2020	2019	2018	10 year mean
Base 12	1023.7	1237.5 ▲	1264.3 ▲	1282.2 ▲	1234.3 ▲	1215.9 ▲
DD1532*	504.0	688.2 ▲	694.1 ▲	659.3 ▲	639.4 ▲	634.7 ▲
Cold shock days ( $\leq 11^{\circ}\text{C}$ )	47	43 ▼	36 ▼	47	50 ▲	46.0 ▼
Days above 36°C	1	3 ▲	9 ▲	16 ▲	10 ▲	9.2 ▲
Nights above 25°C	0	0	0	0	0	0.0
Days above 40°C	0	0	0	1 ▲	0	0.6 ▲
Total rainfall (mm)	200.4	264.8 ▲	168.8 ▼	123.2 ▼	264.3 ▲	167.9 ▼
Total radiation ( $\text{MJ}/\text{m}^2$ )	2107.9	2275.8 ▲	2431.0 ▲	2561.4 ▲	2529.4 ▲	2214.1 ▲
Average temperature ( $^{\circ}\text{C}$ )	19.6	21.4 ▲	21.7 ▲	21.6 ▲	21.0 ▲	21.1 ▲

\* Experimental calculation.





## CQ crop check



Central Highlands





# CQ crop check

Date range: 1 August, 2022 to 28 November, 2022 (120 days).

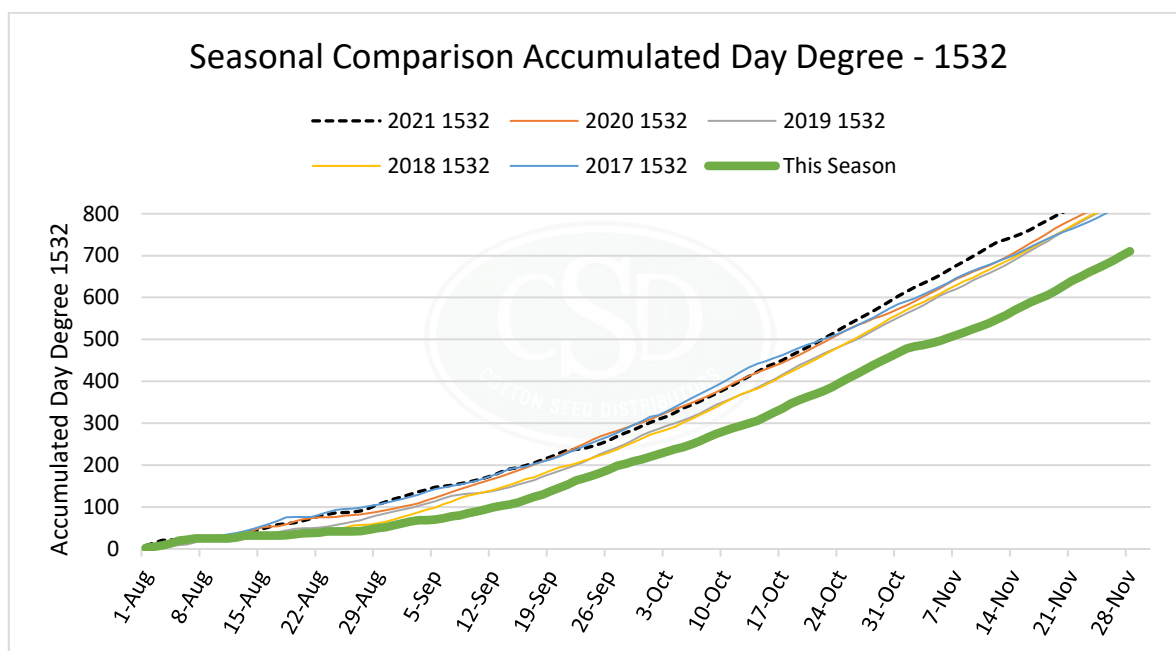
Summary Seasonal comparison

	2022	2021	2020	2019	2018	10 year mean
Base 12	1204.2	1401.9 ▲	1396.2 ▲	1415.8 ▲	1406.2 ▲	1348.1 ▲
DD1532*	710.4	887.9 ▲	862.1 ▲	848.2 ▲	844.6 ▲	813.1 ▲
Cold shock days ( $\leq 11^{\circ}\text{C}$ )	19	16 ▼	24 ▲	30 ▲	27 ▲	24.4 ▲
Days above $36^{\circ}\text{C}$	6	9 ▲	10 ▲	24 ▲	17 ▲	13.0 ▲
Nights above $25^{\circ}\text{C}$	0	0	0	0	0	0.3 ▲
Days above $40^{\circ}\text{C}$	0	0	0	2 ▲	3 ▲	0.9 ▲
Total rainfall (mm)	314.0	253.8 ▼	147.2 ▼	6.8 ▼	120.2 ▼	135.1 ▼
Total radiation ( $\text{MJ}/\text{m}^2$ )	2258.0	2361.8 ▲	2519.9 ▲	2641.7 ▲	2619.2 ▲	2286.1 ▲
Average temperature ( $^{\circ}\text{C}$ )	21.7	23.5 ▲	23.3 ▲	23.5 ▲	23.2 ▲	22.9 ▲

\* Experimental calculation.



## CQ crop check



Seasonal Day Degree and historical data is 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)

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**Information** when you need it



# Darling Downs crop check

**DATE** – Wednesday 30 November 2022 (CC2)

**DALBY AIRPORT**

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**Date range:** 10 October, 2022 to 29 November, 2022 (51 days).

[Summary](#) [Seasonal comparison](#)

	2022	2021	2020	2019	2018	10 year mean
Base 12	434.1	514.0 ▲	578.1 ▲	603.1 ▲	540.8 ▲	548.3 ▲
DD1532*	218.5	315.3 ▲	348.1 ▲	348.1 ▲	332.2 ▲	324.9 ▲
Cold shock days ( $\leq 11^{\circ}\text{C}$ )	19	7 ▼	8 ▼	12 ▼	4 ▼	9.0 ▼
Days above $36^{\circ}\text{C}$	0	0	9 ▲	9 ▲	3 ▲	4.3 ▲
Nights above $25^{\circ}\text{C}$	0	0	0	0	0	0.0
Days above $40^{\circ}\text{C}$	0	0	0	0	0	0.1 ▲
Total rainfall (mm)	77.7	294.4 ▲	51.8 ▼	11.4 ▼	158.8 ▲	85.9 ▲
Total radiation ( $\text{MJ}/\text{m}^2$ )	1020.2	962.4 ▼	1184.0 ▲	1253.6 ▲	1143.4 ▲	1035.4 ▲
Average temperature ( $^{\circ}\text{C}$ )	19.9	21.9 ▲	23.1 ▲	23.3 ▲	22.5 ▲	22.4 ▲

\* 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.



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# Darling Downs crop check

Topic	Darling Downs
<b>Crop Stage</b>	<ul style="list-style-type: none"> <li>Emerging to 5 nodes</li> </ul>
<b>Irrigation</b>	<ul style="list-style-type: none"> <li>Overhead irrigator shave been running</li> <li>Flood irrigators looking to flush soon if no rain received shortly</li> </ul>
<b>Insects/Beneficial</b>	<ul style="list-style-type: none"> <li>Just starting to see heliothis egg lays</li> <li>Thrips about in varying numbers</li> <li>Harvest may increase thrip numbers over the coming weeks</li> </ul>
<b>Weeds</b>	<ul style="list-style-type: none"> <li>Fleabane and FTRG have emerged or established. Proving troublesome to control</li> <li>Vines and broadleaves are emerging now as well</li> </ul>
<b>Disease</b>	<ul style="list-style-type: none"> <li>Black root rot causing a few problems in blocks with cotton history</li> <li>Low fusarium at this stage</li> </ul>
<b>Comments</b>	<ul style="list-style-type: none"> <li>Looking for rain now. How things have changed</li> <li>Tough conditions for little plants. Plant lines have cracked with the hot and windy days</li> </ul>

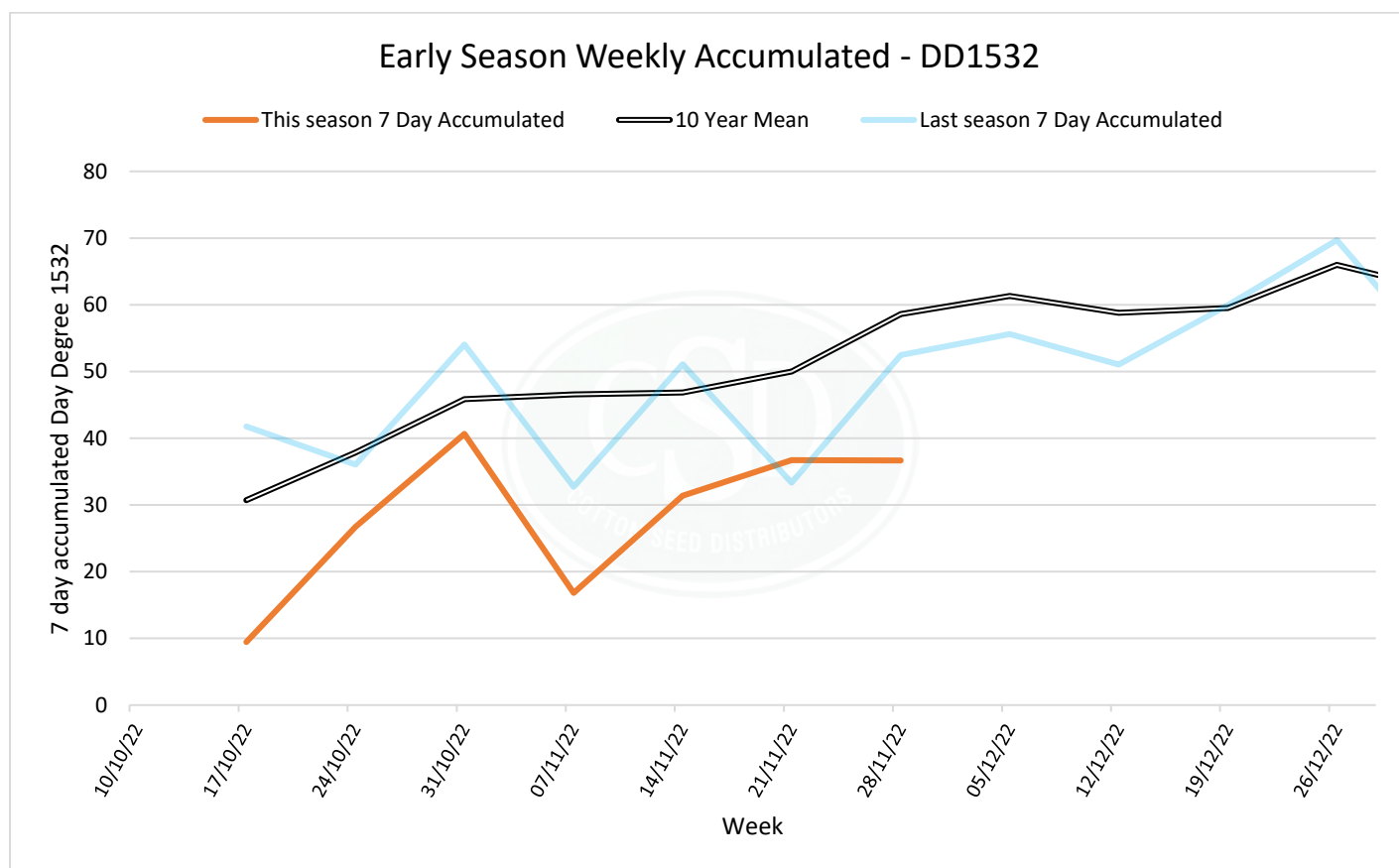


Information when you need it



# Darling Downs crop check

Early Season Weekly Accumulated - DD1532



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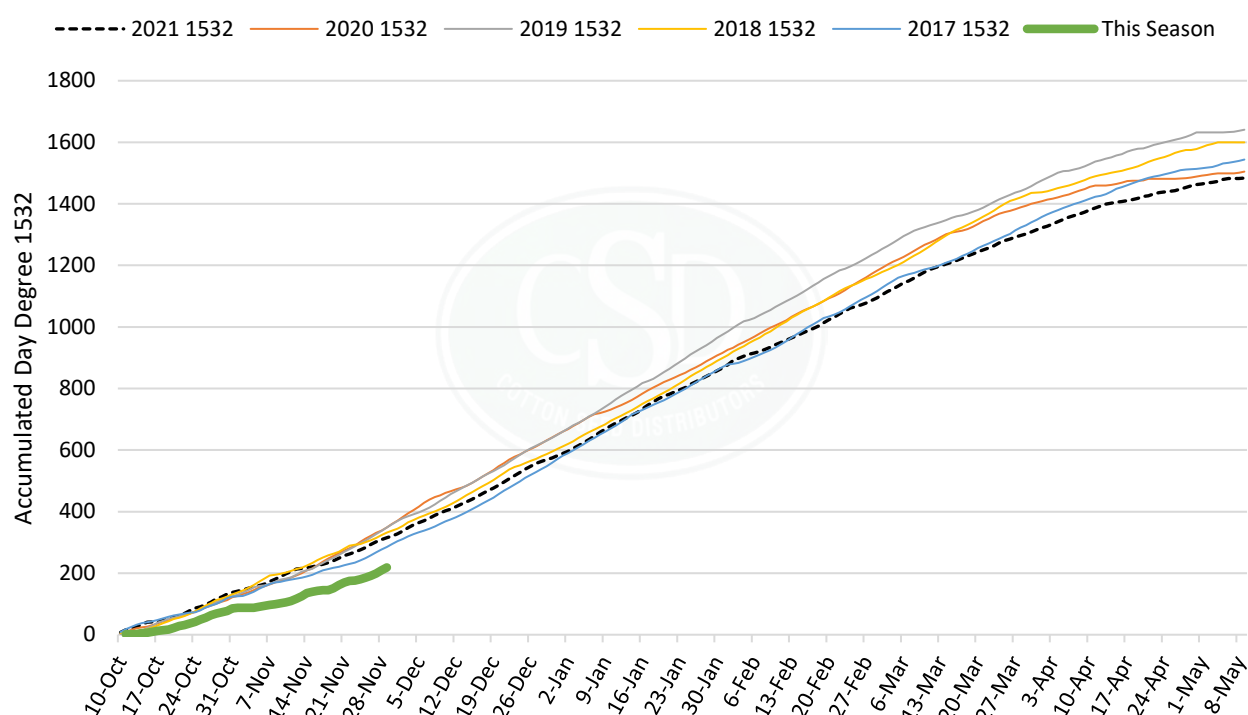


Information when you need it



# Darling Downs crop check

Seasonal Comparison Accumulated Day Degree - 1532



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