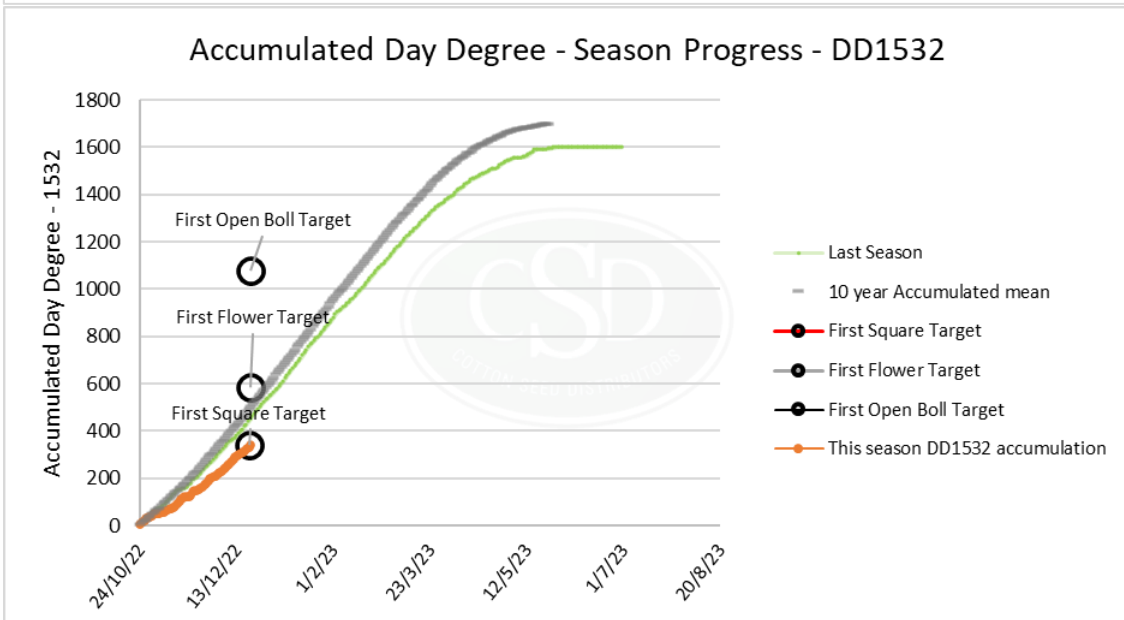
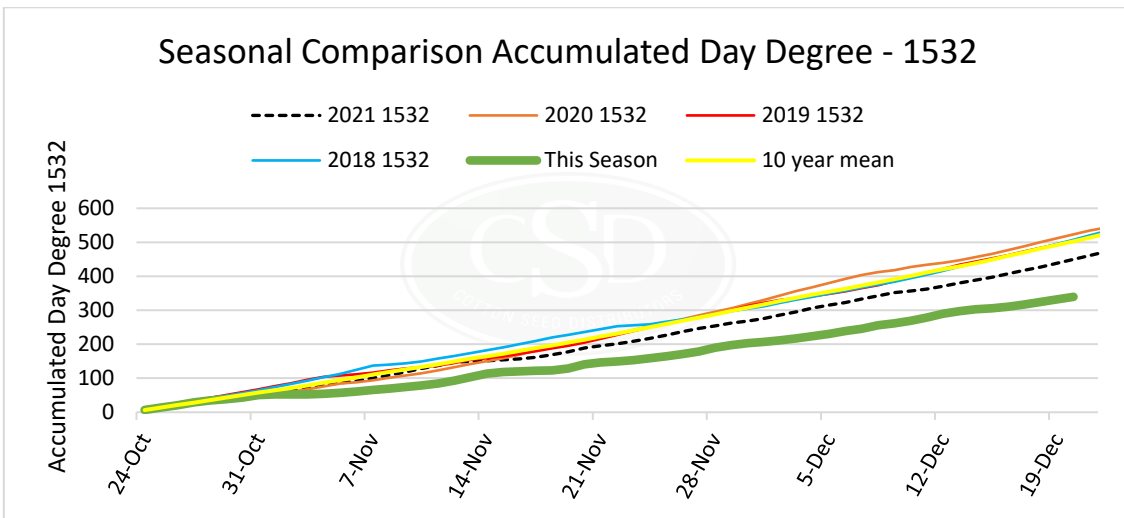




Macintyre crop check

DATE - 14 December 2022





Macintyre crop check

GOONDIWINDI AIRPORT

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Date range: 24 October, 2022 to 20 December, 2022 (58 days).

Summary Seasonal comparison

	2022	2021	2020	2019	2018	10 year mean
Base 12	575.3	682.2 ▲	829.2 ▲	828.4 ▲	781.3 ▲	760.7 ▲
DD1532*	339.4	449.5 ▲	523.8 ▲	505.1 ▲	507.1 ▲	485.2 ▲
Cold shock days ($\leq 11^{\circ}\text{C}$)	11	5 ▼	2 ▼	6 ▼	2 ▼	4.2 ▼
Days above 36°C	1	2 ▲	24 ▲	28 ▲	10 ▲	13.0 ▲
Nights above 25°C	0	0	1 ▲	1 ▲	0	0.6 ▲
Days above 40°C	0	0	6 ▲	5 ▲	3 ▲	2.7 ▲
Total rainfall (mm)	57.5	305.3 ▲	133.9 ▲	32.8 ▼	109.4 ▲	99.4 ▲
Total radiation (MJ/m ²)	1359.3	1216.7 ▼	1372.8 ▲	1489.8 ▲	1399.6 ▲	1267.4 ▼
Average temperature (°C)	21.6	23.7 ▲	26.2 ▲	26.1 ▲	25.4 ▲	25.0 ▲

* Experimental calculation.

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

Day degrees (1532 system) for the season continue to be slow to accumulate, with the average temperature being 3°C below the 10-year average. This, when combined with the 11 cold shocks (below 12°C) which is over double the 10-year average of 4, is perpetuating the slow growing conditions. Solar radiation remains above the 10-year average which, with warming conditions but the absence of heat stress, provides a platform for better growing conditions for the crop. The [BOM temperature outlook](#) continues to suggest average to cooler than average temperatures through until March with a hotter spell in the second week of January.



Macintyre crop check

AREA	Macintyre Valley
Crop Stage	<ul style="list-style-type: none"> Crops range from germinating to around 17 nodes. As at mid last week no flowers were reported as open although early crops are likely to be doing so now.
Irrigation	<ul style="list-style-type: none"> Irrigations have commenced with no rain and beds drying out under windy conditions.
Insects/Beneficial	<ul style="list-style-type: none"> Mirids scattered and building in areas with control measures undertaken for some crops. Occasional GVB Beneficials on the rise
Weeds	<ul style="list-style-type: none"> Being managed with in-crop sprays and cultivations. Persistent species reported include polymeria, peach vine, sesbania and volunteer cotton.
Disease	<ul style="list-style-type: none"> Plants starting to grow through rhizoctonia and pythium from early season Fusarium causing seedling loss in some cases (ie. back-to-back with history of FOV). Isolated cases of unconfirmed wilt in some back-to-back country.
Environment	<ul style="list-style-type: none"> Mild and cool start still equating to slow growing conditions Some reports of drift symptoms starting to show in a few isolated crops
Comments	<ul style="list-style-type: none"> “Long fallow fields have been slow” “Lack of labor has made recent weeks constant and full on for growers trying to get things done”

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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