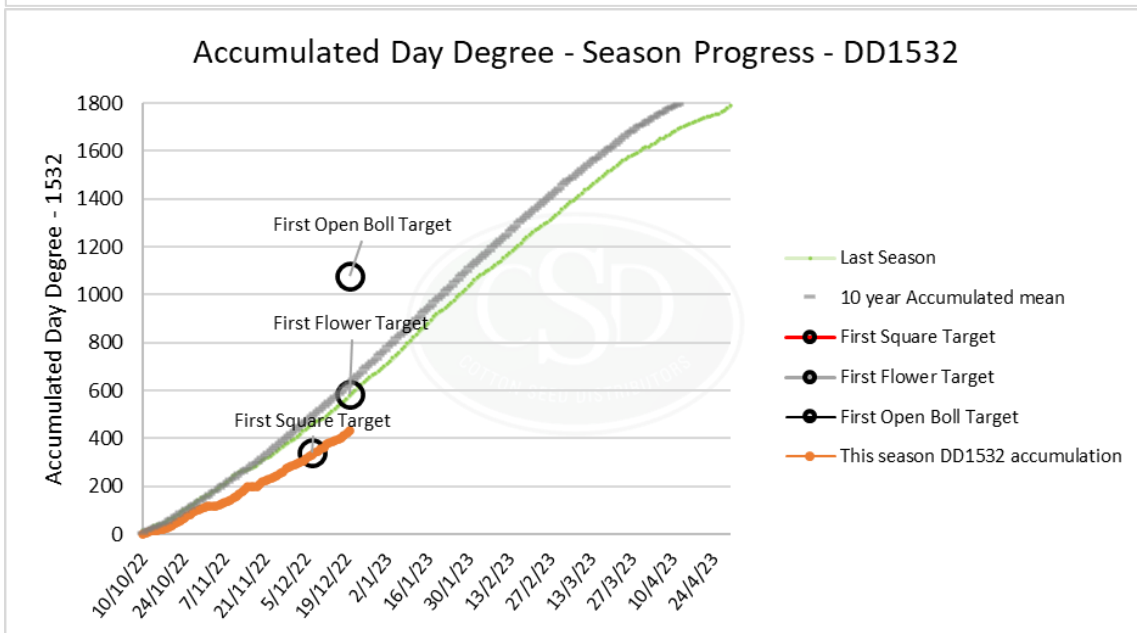
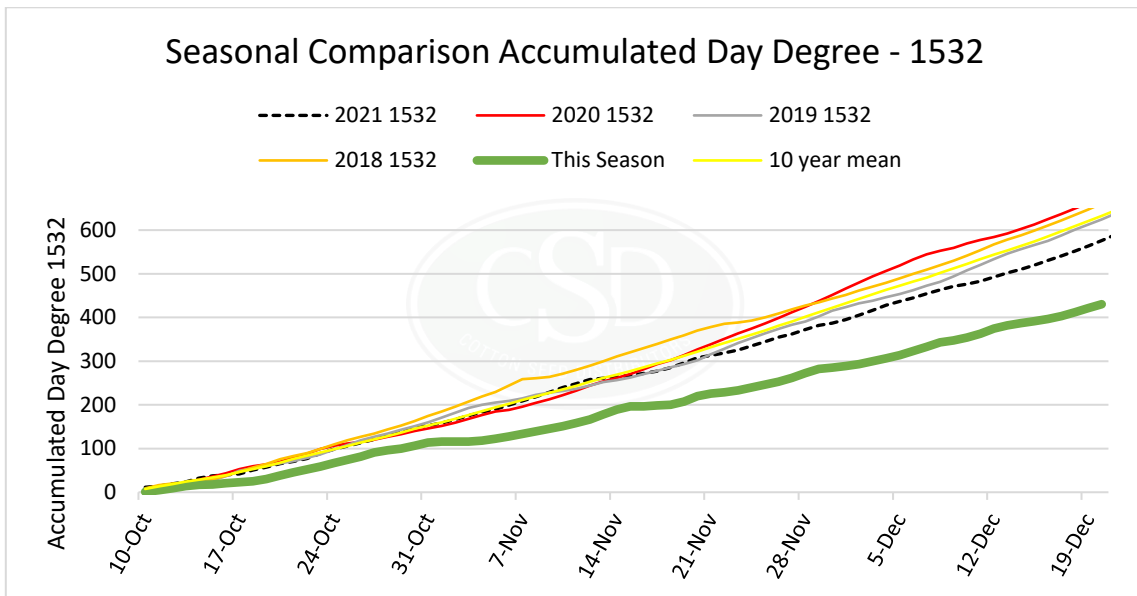




Balonne crop check

DATE - 20 December 2022





Balonne crop check

ST GEORGE AIRPORT

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Date range: 10 October, 2022 to 20 December, 2022 (72 days).

Summary Seasonal comparison

	2022	2021	2020	2019	2018	10 year mean
Base 12	718.1	878.4 ▲	1053.4 ▲	1019.9 ▲	1009.4 ▲	966.0 ▲
DD1532*	430.4	576.2 ▲	674.9 ▲	624.3 ▲	661.5 ▲	615.5 ▲
Cold shock days ($\leq 11^{\circ}\text{C}$)	8	5 ▼	3 ▼	10 ▲	1 ▼	5.2 ▼
Days above 36°C	2	4 ▲	27 ▲	28 ▲	20 ▲	17.4 ▲
Nights above 25°C	0	0	8 ▲	6 ▲	4 ▲	3.8 ▲
Days above 40°C	0	1 ▲	9 ▲	7 ▲	5 ▲	4.6 ▲
Total rainfall (mm)	149.0	175.8 ▲	88.5 ▼	18.4 ▼	102.2 ▼	83.2 ▼
Total radiation (MJ/m^2)	1574.6	1567.1 ▼	1703.7 ▲	1824.3 ▲	1688.7 ▲	1558.5 ▼
Average temperature ($^{\circ}\text{C}$)	21.8	24.1 ▲	26.6 ▲	26.0 ▲	26.0 ▲	25.3 ▲

* Experimental calculation.

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

Feedback for this report included concern due to early signs of possible spray drift damage on crops. This is yet to be confirmed however provides a timely reminder to ensure all crops are loaded into [Satacrop](#) and that the [WAND inversion tower network](#) is now active to assist spray operators with determining the presence of hazardous inversion conditions.

Day degree accumulation for the season continues to be slow and is well behind recent seasons and the 10-year average. Cold shocks (8) are above the 10-year average (5.2) and average temperature more than 3°C below it. Solar radiation accumulation has risen above the 10-year average after being below it in mid-November. Warming conditions, the absence of heat shocks and plentiful water is seeing some crops starting to grow rapidly. 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.



Balonne crop check

AREA	Balonne
Crop Stage	<ul style="list-style-type: none"> Crops range from around 4 nodes to 15 nodes with some flowers starting to open
Irrigation	<ul style="list-style-type: none"> Plenty of water. Most crops at 2nd irrigation with early crops at 3rd irrigation
Insects/Beneficials	<ul style="list-style-type: none"> Mirid presence fairly constant although up and down in numbers – some control measures implemented where deemed necessary. GVBs and brown stink bugs around Helicoverpa egg lays at up to 20/m and causing some square loss. Bollgard genetics controlling population.
Weeds	<ul style="list-style-type: none"> OTT sprays and cultivation being used effectively.
Disease	<ul style="list-style-type: none"> Fusarium is main concern and severe in fields with history and/or back-to-back. Plant loss occurring. Crops starting to grow through BRR and rhizoctonia.
Environment	<ul style="list-style-type: none"> Reports of possible drift incidents but too early to confirm or gauge severity
Comments	<ul style="list-style-type: none"> Heavier country is slower to respond to warming conditions.

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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