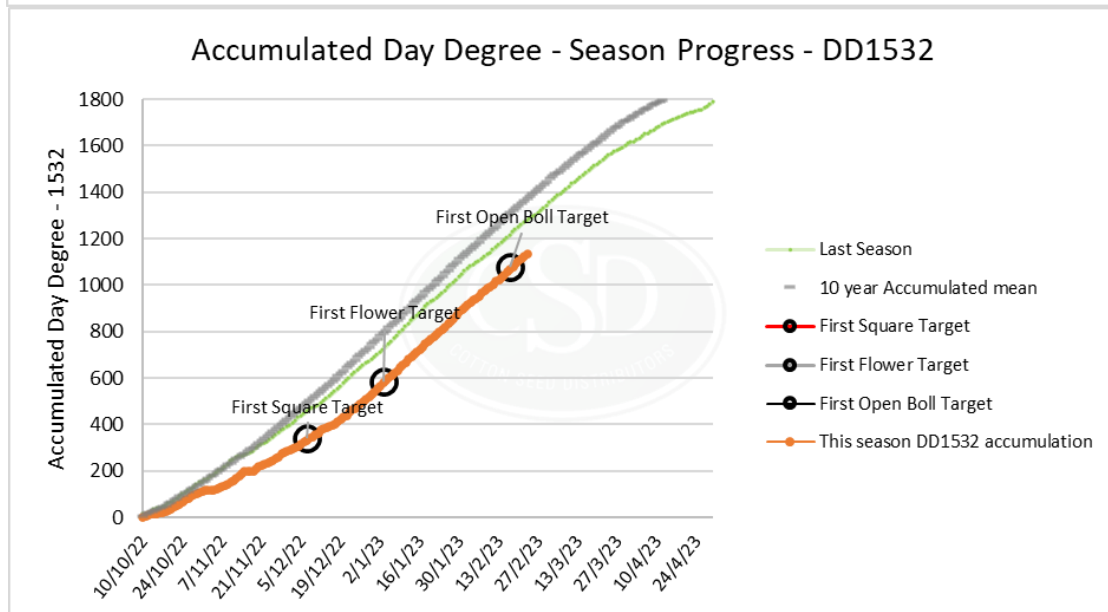
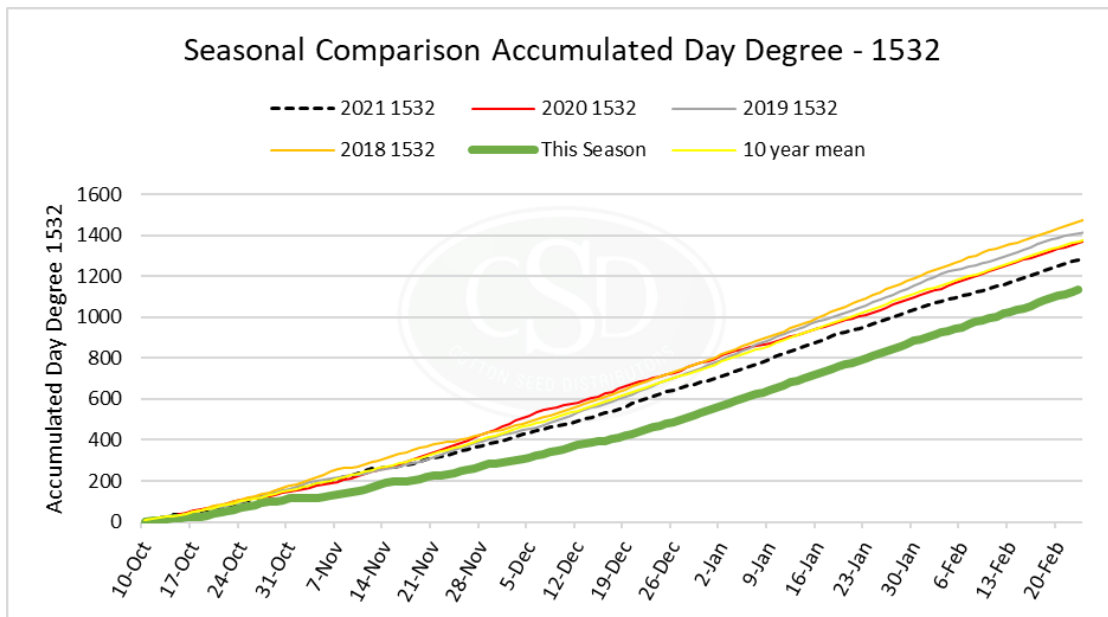




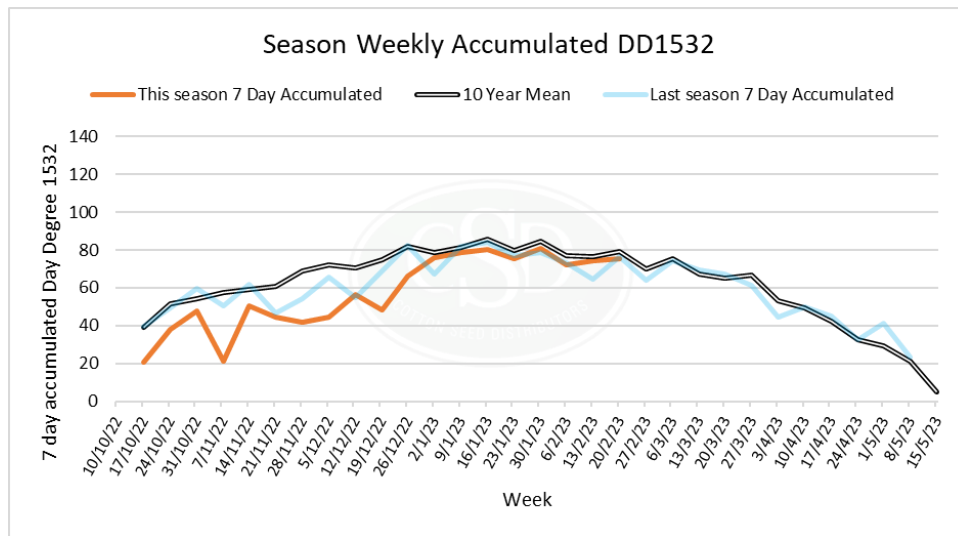
Balonne crop check

DATE - 24 February 2023





Balonne crop check



ST GEORGE AIRPORT

Date range: 10 October, 2022 to 23 February, 2023 (137 days).

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Summary [Seasonal comparison](#)

	2022	2021	2020	2019	2018	10 year mean
Base 12	1758.4	1906.5 ▲	2045.9 ▲	2205.0 ▲	2228.8 ▲	2069.8 ▲
DD1532*	1134.7	1276.5 ▲	1363.9 ▲	1408.6 ▲	1466.1 ▲	1353.1 ▲
Cold shock days ($\leq 11^{\circ}\text{C}$)	8	5 ▼	3 ▼	10 ▲	1 ▼	5.2 ▼
Days above 36°C	25	28 ▲	37 ▲	72 ▲	68 ▲	49.1 ▲
Nights above 25°C	5	3 ▼	12 ▲	35 ▲	33 ▲	18.6 ▲
Days above 40°C	0	4 ▲	9 ▲	23 ▲	17 ▲	12.5 ▲
Total rainfall (mm)	232.0	289.8 ▲	212.3 ▼	214.2 ▼	103.2 ▼	182.6 ▼
Total radiation (MJ/m^2)	3010.0	3004.9 ▼	3123.2 ▲	3280.3 ▲	3335.8 ▲	2936.4 ▼
Average temperature ($^{\circ}\text{C}$)	24.7	25.9 ▲	26.9 ▲	28.0 ▲	28.3 ▲	27.1 ▲

* Experimental calculation.

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



Balonne crop check

Day degree accumulation has held relative to previous year and the 10 year average since early January but remains behind these due to the unusually cool start. The average temperature has crept fractionally to the 10 year average since last month. Solar radiation accumulation remains above the 10-year average after being below it in mid-November. The improved conditions have seen most crops grow well over the past 6 weeks. The [BOM outlooks](#) are suggesting warmer and drier than normal conditions for coming months.

A reminder that the industry project monitoring insecticide resistance levels in sucking insects (mites, aphids, thrips and mirids) is seeking collections so please contact your local CottonInfo REO if you have populations you are concerned about or that could be sampled. This season I have collected samples of mirids, broad mites and aphids across the MacIntyre and Balonne. Jamie Hopkinson, QDAF, will visit the regions in early March (8th) to conduct sampling for SLW so it would be beneficial to be aware of where populations are building. Let me know.

AREA	Balonne
Crop Stage	<ul style="list-style-type: none"> Crops range from around 14-24 nodes and 7 NAWF to mid boll fill. Open cotton has been visible for a couple of weeks now.
Irrigation	<ul style="list-style-type: none"> Water supplies sufficient to get most crops through. Earlier plant crops have 1-2 irrigations left to them.
Insects/Beneficials	<ul style="list-style-type: none"> Aphids about and building, some sprayed. SLW increasing and many populations sprayed. Others likely to get through OK or maybe a knockdown approaching defoliation.
Weeds	<ul style="list-style-type: none"> Generally Ok although some in fusarium areas that may need control. Some sesbania evident.
Disease	<ul style="list-style-type: none"> Fusarium areas have improved with warmer and drier weather since new year.
Environment/Drift	<ul style="list-style-type: none"> Potential yield impact from drift in crops towards Mungindi.

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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