



Mungindi crop check

11th February 2023

Day Degree

Table 1: Seasonal Information based on 5th November 2022 planting date (Source: [Cotton Seed Distributors](#))

	2022	2021	2020	2019	2018	10 year mean
Base 12	1346.6	1427.7 ▲	1538.5 ▲	1685.0 ▲	1703.3 ▲	1579.6 ▲
DD1532*	859.1	945.2 ▲	1003.4 ▲	1044.2 ▲	1089.5 ▲	1007.8 ▲
Cold shock days (≤ 11°C)	6	4 ▼	2 ▼	5 ▼	1 ▼	2.3 ▼
Days above 36°C	31	28 ▼	36 ▲	70 ▲	60 ▲	49.8 ▲
Nights above 25°C	2	2	7 ▲	30 ▲	25 ▲	12.1 ▲
Days above 40°C	4	8 ▲	13 ▲	30 ▲	25 ▲	18.3 ▲
Total rainfall (mm)	82.2	222.5 ▲	250.1 ▲	189.8 ▲	69.6 ▼	124.2 ▲
Total radiation (MJ/m ²)	2270.1	2144.0 ▼	2274.6 ▲	2411.4 ▲	2459.5 ▲	2154.4 ▼
Average temperature (°C)	25.7	26.5 ▲	27.7 ▲	29.1 ▲	29.4 ▲	28.1 ▲

* 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.

Accumulated day degree 'targets' after seed imbibed

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

^a 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).



Mungindi crop check

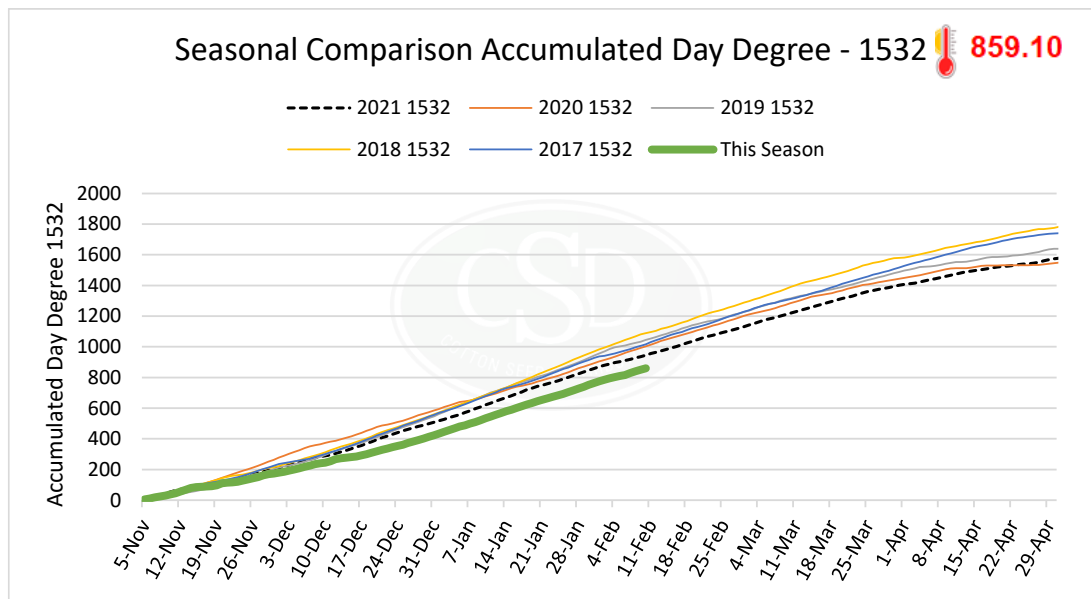


Figure 1: Day Degree comparison using the DD 1532, planting date 5/11/22 Source www.csd.net.au/ddc

AREA	Mungindi
Crop Stage	<p>Irrigated Cotton:</p> <ul style="list-style-type: none"> • Early plant: 26 nodes, 6 NAWF through to cutout. • Late plant: 17 nodes, flowering • Retentions remain good <p>Dryland:</p> <ul style="list-style-type: none"> • 15 - 20 nodes and flowering. <p><i>"17 Nodes through to 25 Nodes & Cut out though still no cracked bolls"</i> <i>"NAWF coming in quickly at 5-6 NAWF in 22 node cotton"</i> <i>"Top 5 retention is very good at 95%+"</i> <i>"Most crops now mid flowering, with odd part of the paddock reaching cutout"</i> <i>"Retentions good, NAWF holding nicely in areas"</i></p>
Irrigation	<ul style="list-style-type: none"> • Mostly up to 5th or 6th irrigation. <p><i>"6 – 7 irrigations so far possibly up to 11 for the season in no rain during the next 6 weeks"</i></p>



Mungindi crop check

Insects/Beneficial	<ul style="list-style-type: none"> • Mirids continue to remain at low levels • Low level Green Vege Bugs, cotton stainers, GVB and brown stink bugs • Two Spotted Mites and aphids increasing but below threshold • SLW have migrated into some fields with the browning off of country around the cotton fields. No Admiral applied to date. Window commences 17/02/2023 for 4 weeks. • Beneficials – moderate levels. Hayati (wasp parasite of SLW) levels low • Still a lot of fields with no insecticides applied to date <p><i>“Insects still remain very quiet with GVB’s, BSB’s and cotton stainers having dropped right off”</i></p> <p><i>“Whitefly still at low levels at this stage though heat during the next few days may cause an increase in numbers”</i></p> <p><i>“SLW numbers rose all of sudden with migration into some cotton fields monitoring numbers closely”</i></p>
Weeds	<ul style="list-style-type: none"> • Generally under control
Spray Drift	<ul style="list-style-type: none"> • Unfortunately spray drift has had some significant impacts on some fields, both irrigated and dryland in the Mungindi District. It continues to be a problem and causing heartache for some growers. <p><i>“Some late plant dryland has been hit and wont recover in time”</i></p> <p><i>“Spray drift continues on with all paddocks having had at least 3 hits but some a 4th”</i></p>
Disease	<ul style="list-style-type: none"> • Verticillium getting worse on problem fields <p><i>“Disease has not really increased since November though those plants that have had Vert Wilt are certainly looking much worse”.</i></p>
Comments	<p><i>“Sicot 606B3F has been lagging behind in the NAWF count all season compared to Sicot 748B3F though does have a better fruit load and bigger bolls lower in the canopy”</i></p> <p><i>“Overall, apart from the disease and 2, 4 – D drift the crops are looking quite good with a decent fruit load”</i></p>

Thanks to all the Mungindi crop consultants for providing the information for this weeks crop check.

Disclaimer - © Cotton Seed Distributors Ltd 2021. The CottonInfo Crop Check is a summary of cotton crop information gathered from consultants by each CottonInfo Extension Officer (REO) for their valley. This information is collected on a regular basis to share with growers, researchers, and other consultants. The information is just a snapshot in time and does not claim to be a report for each valley; just a summary of comments received.

This information is provided as a 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 in this document or from any errors or omissions in this document. 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



2022 Bayer Australian Cotton Grower of the Year

FIELD DAY

10am – 3pm
Tues 21 February 2023
at Keytah, Moree