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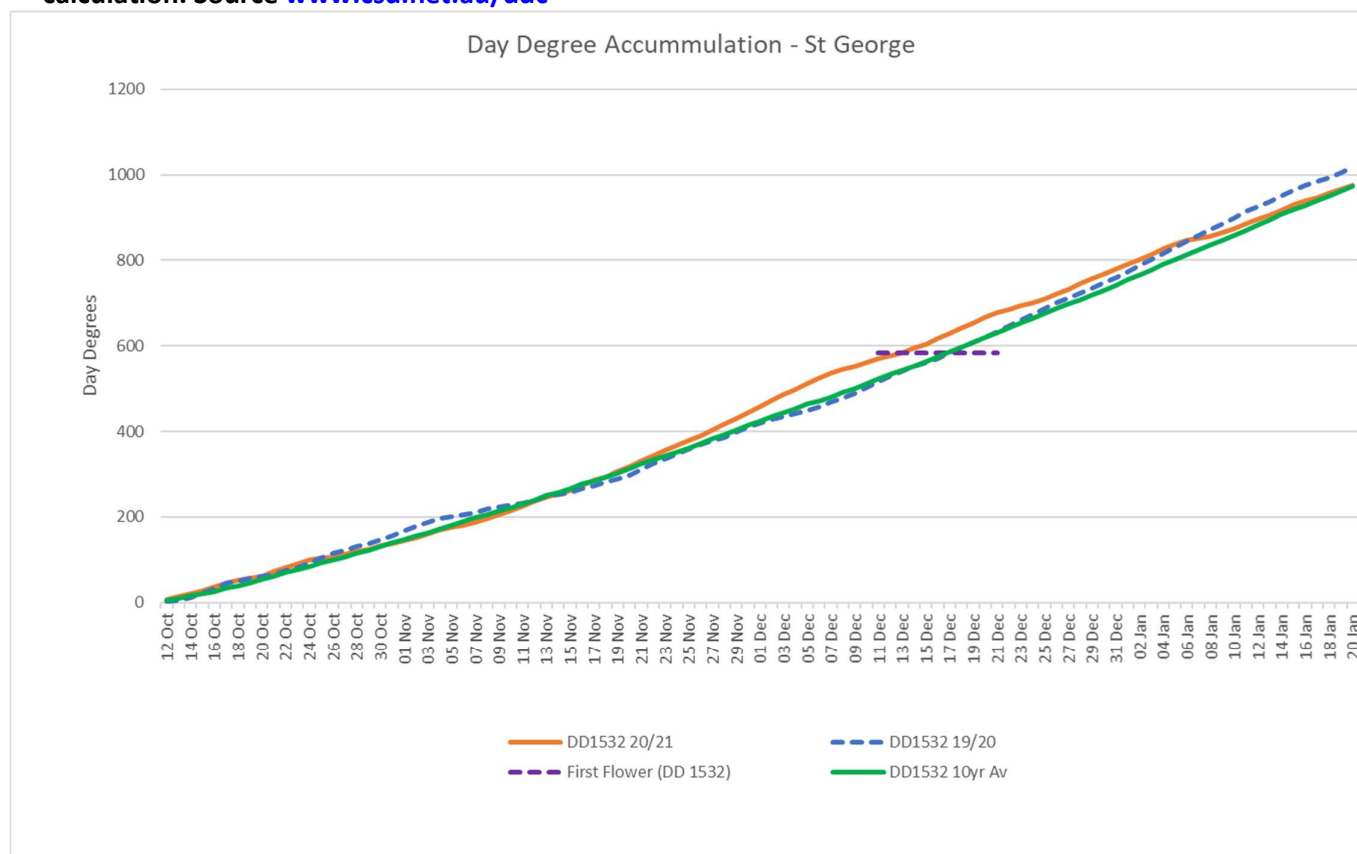


# Border Rivers crop check

DATE – up to 26 January 2021

## St George

Figure 1: Day Degree comparison for period October 12 until January 20 using the 1532 experimental calculation. Source [www.csd.net.au/ddc](http://www.csd.net.au/ddc)



Day degree accumulation for the current season has fallen below the last season and is in line with the 10 year average.  
For more information on Day degrees and the change in the measurement base, visit the CSD website via this [link](http://www.csd.net.au/ddc).



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# Border Rivers crop check

**Table 1: Seasonal Information for St George based on 12th October planting date to 20<sup>th</sup> January (Source: [Cotton Seed Distributors](#))**

	2020	2019	2018	2017	2016	10 year mean
Base 12	1485.0	1620.2 ▲	1576.4 ▲	1444.0 ▼	1502.6 ▲	1503.8 ▲
DD1532*	976.5	1018.8 ▲	1034.6 ▲	931.6 ▼	947.9 ▼	972.7 ▼
Cold shock days ( $\leq 11^{\circ}\text{C}$ )	1	8 ▲	1	2 ▲	13 ▲	4.4 ▲
Days above $36^{\circ}\text{C}$	32	55 ▲	45 ▲	34 ▲	34 ▲	36.8 ▲
Nights above $25^{\circ}\text{C}$	8	22 ▲	17 ▲	20 ▲	13 ▲	11.1 ▲
Days above $40^{\circ}\text{C}$	9	19 ▲	10 ▲	9	17 ▲	10.2 ▲
Total rainfall (mm)	129.4	48.6 ▼	107.4 ▼	152.6 ▲	103.0 ▼	115.1 ▼
Total radiation ( $\text{MJ}/\text{m}^2$ )	2303.5	2563.4 ▲	2489.4 ▲	2461.0 ▲	2468.6 ▲	2247.5 ▼
Average temperature ( $^{\circ}\text{C}$ )	26.7	27.9 ▲	27.6 ▲	26.3 ▼	26.7	26.8 ▲

\* Experimental calculation.

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

## CROP STAGE -

- Crops range from 12 to 27 nodes with earliest crops at cut out (<4 NAWF).
- Retention is on the improve with mirid numbers on the decrease.

## INSECTS/BENEFICIALS -

- Mirids pressure has started to ease.
- Silverleaf Whitefly starting to reach thresholds and sprays going on.
- Helicoverpa present in low to moderate numbers but not causing issues.
- Mice still causing damage in some areas – chewing stems.
- Shield beetles present, with Brown shield beetle number higher than recent years – not causing issues at present.
- Beneficials present in crops – damsel & big eye bugs, lady and red/blue beetles, lacewings.



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## WEEDS -

- Under control in general

## DISEASE -

- Minor fusarium in fields with history.
- Some unusual wilt showing in up in fields, cause unknown. Samples sent for testing.
- Low level Alternaria leaf spot (ALS) in some areas.

## WATER -

- Additional water flows into Beardmore dam over past fortnight will provide needed water to finish some crops and extra water that some are targeting to use on mung bean plantings.

## GENERAL COMMENTS -

- Retention has improved.
- Beardmore Dam has risen from under 12,000ML to near 54,000ML (66%) since start of January on the back of recent inflows. It has since fallen to just under 50,500ML (62%).



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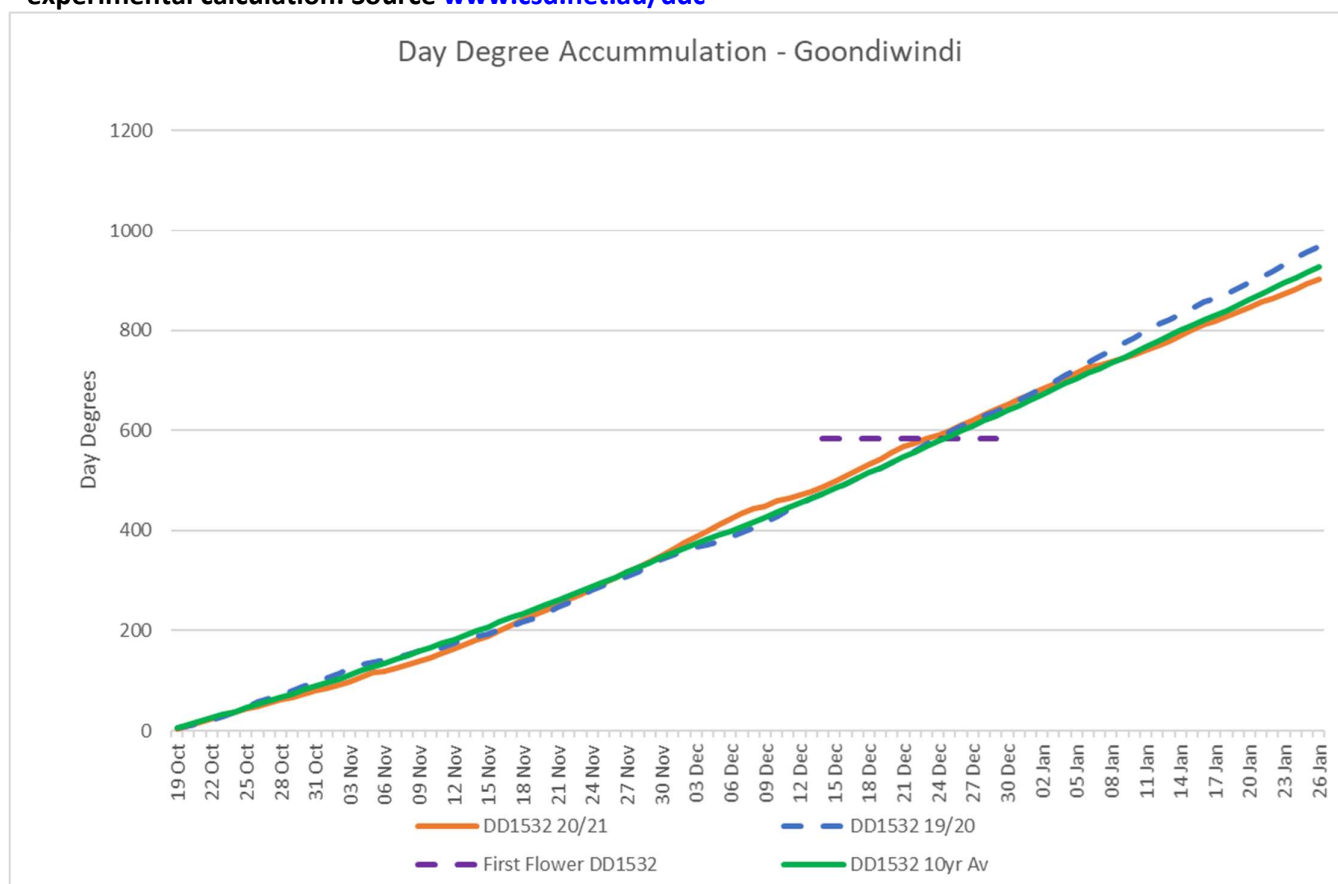
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# Border Rivers crop check

## MacIntyre

Figure 1: Goondiwindi Day Degree comparison for period October 19 until January 26 using the 1532 experimental calculation. Source [www.csd.net.au/ddc](http://www.csd.net.au/ddc)



Day degree accumulation for the current season has started to fall behind the previous season and the 10 year average largely on the back of above average rainfall.

For more information on Day degrees and the change in the measurement base, visit the CSD website via this [link](http://www.csd.net.au/ddc).



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# Border Rivers crop check

**Table 1: Seasonal Information for Goondiwindi based on 19th October planting date to 26<sup>th</sup> January (Source: [Cotton Seed Distributors](#))**

	2020	2019	2018	2017	2016	10 year mean
Base 12	1383.6	1545.3 ▲	1487.3 ▲	1391.4 ▲	1455.7 ▲	1425.5 ▲
DD1532*	902.7	968.0 ▲	966.8 ▲	885.5 ▼	919.9 ▲	927.5 ▲
Cold shock days ( $\leq 11^{\circ}\text{C}$ )	2	7 ▲	2	3 ▲	11 ▲	3.3 ▲
Days above $36^{\circ}\text{C}$	27	53 ▲	36 ▲	35 ▲	35 ▲	30.0 ▲
Nights above $25^{\circ}\text{C}$	1	6 ▲	1	4 ▲	8 ▲	2.7 ▲
Days above $40^{\circ}\text{C}$	6	13 ▲	8 ▲	4 ▼	12 ▲	6.8 ▲
Total rainfall (mm)	275.9	79.5 ▼	131.8 ▼	113.6 ▼	136.0 ▼	177.8 ▼
Total radiation ( $\text{MJ}/\text{m}^2$ )	2242.0	2475.7 ▲	2461.5 ▲	2478.7 ▲	2422.4 ▲	2184.3 ▼
Average temperature ( $^{\circ}\text{C}$ )	25.8	27.3 ▲	26.9 ▲	25.8	26.4 ▲	26.2 ▲

\* Experimental calculation.

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

## CROP STAGE –

- Some late plantings (replants) are around the first flower stage through to crops that have been cut-out – mainly due to water constraints. As such most crops are in a stage of setting fruit.

## INSECTS/BENEFICIALS -

- Mirids have settled somewhat although some crops have been sprayed.
- SLW present



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# Border Rivers crop check

## **WEEDS -**

- Glyphosate OTT sprays being applied. Weeds under control.

## **DISEASE -**

- No disease reported however incidence in other valleys is rising so expect there to be some around.
- Early season disease surveys were conducted in the second week of December in the MacIntyre. Preliminary feedback has been crops were looking good with healthy roots systems and little evidence of disease. For the few samples collected, these are yet to be confirmed via testing.

## **WATER -**

- This is main driver of crop progress and with only approx. 4% allocation but above average rainfall (275mm in crop since October 19 – CSD Day degree summary page) crop prospects are likely to be linked to the rain.

## **GENERAL COMMENTS -**

- Reports of some dryland crops doing reasonably well on back of rainfall.

**Silverleaf Whitefly Workshop with Richard Sequiera – Thursday morning February 4<sup>th</sup> in Goondiwindi, details to come.**

*The CottonInfo Bug Check is a summary of cotton crop information gathered from consultants by each CottonInfo Regional Extension Officer (REO) for their valley. This information is collected on a regular basis to share with growers, researchers and other consultants. It should be noted that the information is just a snap shot in time. It does not claim to be a thorough report for each valley, just a summary of comments received.*



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