

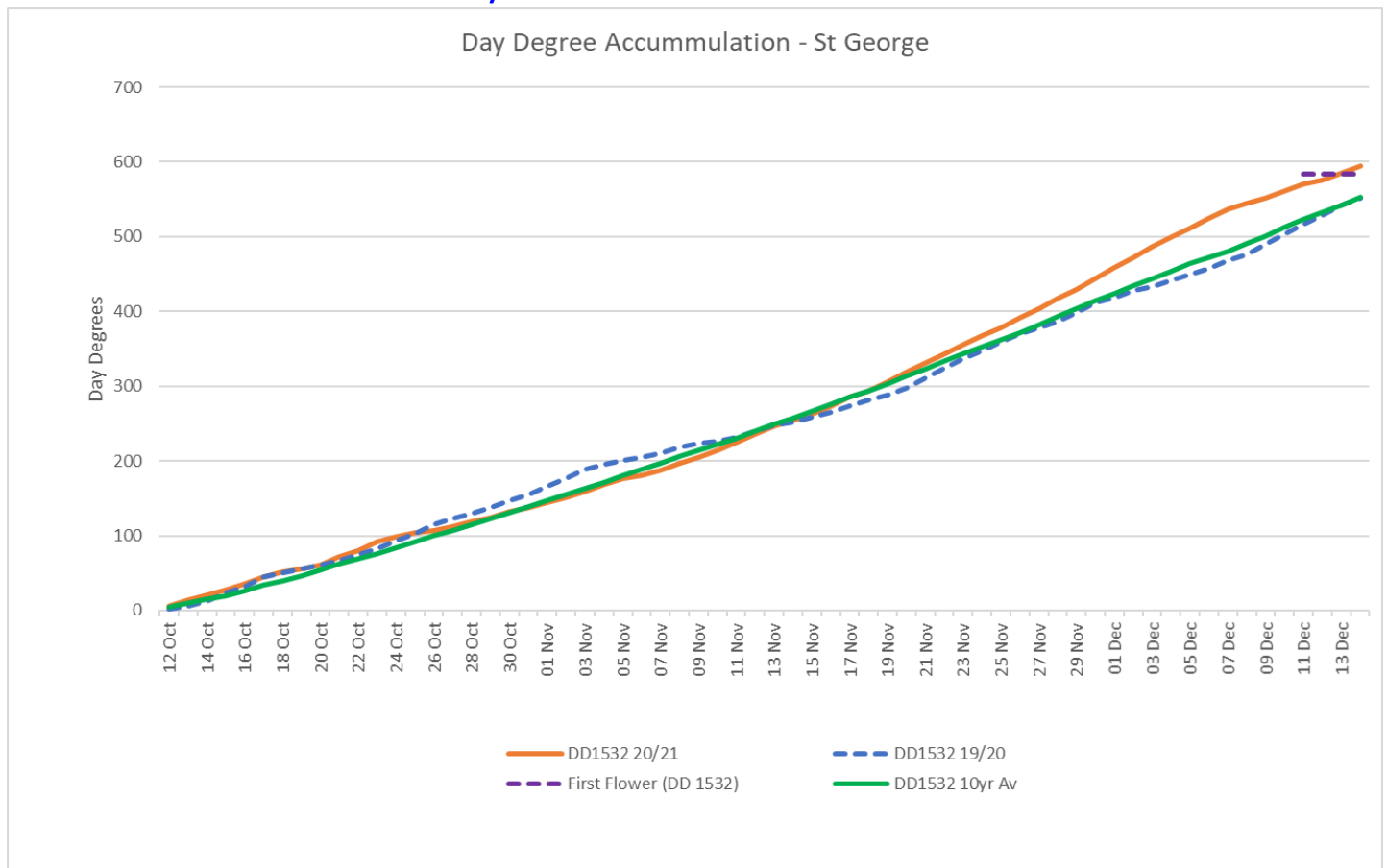


Border Rivers crop check

DATE – Week Ending 11 December 2020

St George

Figure 1: Day Degree comparison for period October 12 until December 14 using the 1532 experimental calculation. Source www.csd.net.au/ddc



Day degree accumulation for the current season is above season and the 10 year average. For more information on Day degrees and the change in the measurement base, visit the CSD website via this [link](#).



Border Rivers crop check

Table 1: Seasonal Information for St George based on 12th October planting date to 14th December (Source: [Cotton Seed Distributors](#))

	2020	2019	2018	2017	2016	10 year mean
Base 12	928.5	894.0 ▼	872.5 ▼	736.8 ▼	807.8 ▼	867.1 ▼
DD1532*	594.9	551.5 ▼	571.7 ▼	474.4 ▼	490.4 ▼	552.5 ▼
Cold shock days ($\leq 11^{\circ}\text{C}$)	1	8 ▲	1	2 ▲	13 ▲	4.4 ▲
Days above 36°C	23	22 ▼	15 ▼	4 ▼	12 ▼	16.3 ▼
Nights above 25°C	7	6 ▼	2 ▼	0 ▼	2 ▼	3.2 ▼
Days above 40°C	7	6 ▼	4 ▼	0 ▼	6 ▼	4.0 ▼
Total rainfall (mm)	61.5	18.4 ▼	107.4 ▲	138.6 ▲	55.0 ▼	74.9 ▲
Total radiation (MJ/m ²)	1527.0	1628.5 ▲	1509.9 ▼	1480.2 ▼	1593.5 ▲	1415.9 ▼
Average temperature (°C)	26.5	25.8 ▼	25.6 ▼	23.5 ▼	24.3 ▼	25.4 ▼

* Experimental calculation.

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

CROP STAGE -

- A wide range from crops just being watered up through to 20 nodes with most crops in the 14-18 node range.
- Retention is variable (30-75%) due to pest (mirid pressure) and physiological factors.

INSECTS/BENEFICIALS -

- Mirids pressure has built and been persistent in recent weeks with a spray (or two) applied to many crops.
- Silverleaf Whitefly in low numbers reported by one consultant.
- Helicoverpa present in low to moderate numbers but not causing issues.
- Mice chewing tips out in some areas – control required.
- Beneficials present in crops – damsel & big eye bugs, lady and red/blue beetles, lacewings.

WEEDS -

- OTT glyphosate applications have commenced along with cultivations



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- Grasses largely under control although a report of Barnyard grass surviving OTT sprays.

DISEASE -

- Minor fusarium in fields with history.
- Early season disease surveys were conducted in the first week of December with observations being low incidence and severity of fusarium in the Balonne region.

WATER -

- Some areas dropped out with failure of La Nina to bring rain/inflows of significance to the region yet. Most crops likely to be 1 - 3 waters short if scenario does not change or more fields dropped.

GENERAL COMMENTS -

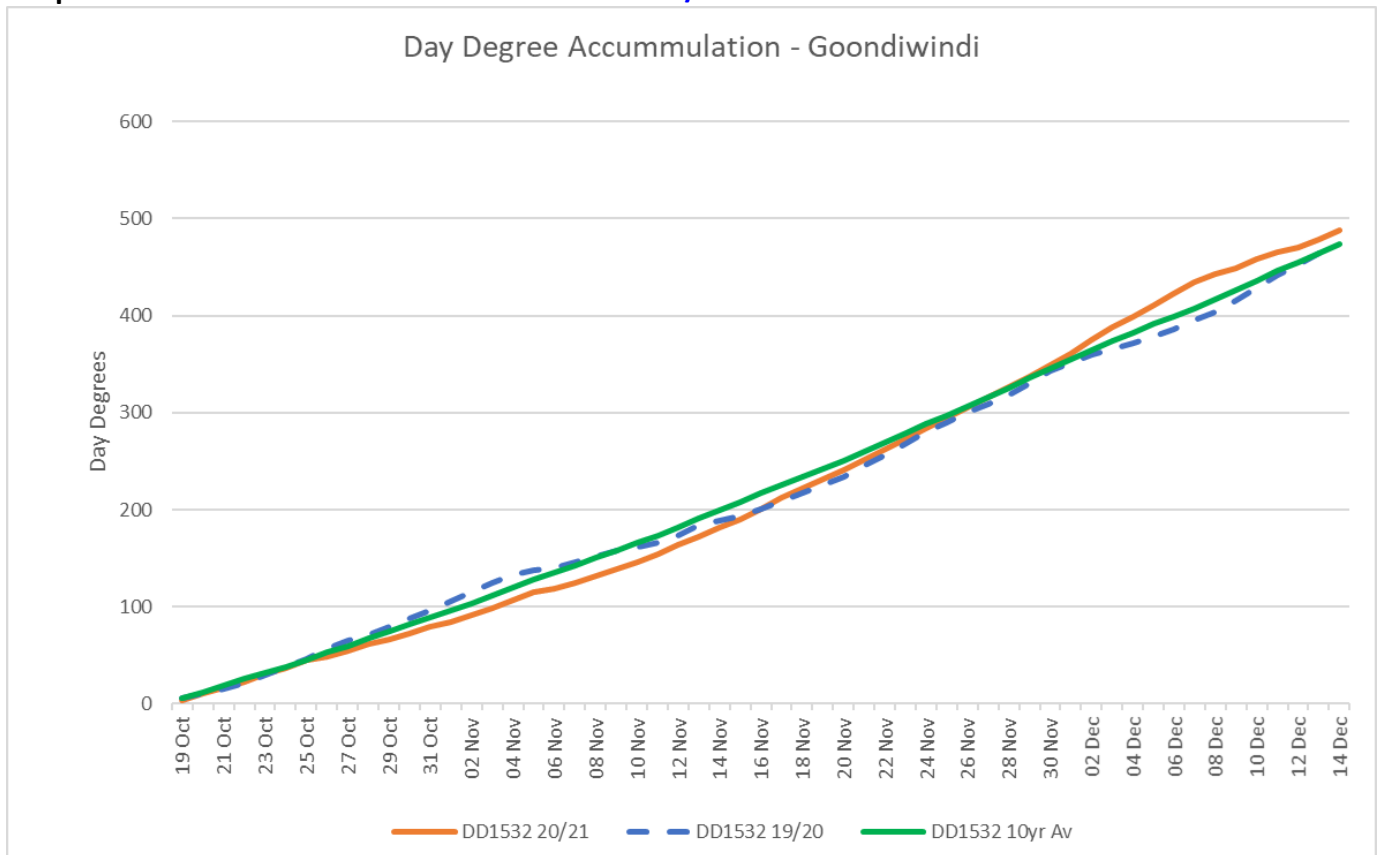
- Variable growth in crops, mostly on long fallow or heavier soil types.
- I have never, ever before seen mice damage in cotton but I am going to have to put a control measure in place.
- Retention has been variable and fairly low.



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MacIntyre

Figure 1: Goondiwindi Day Degree comparison for period October 19 until December 14 using the 1532 experimental calculation. Source www.csd.net.au/ddc



Day degree accumulation for the current season has caught up and surpassed last season during the past month.. For more information on Day degrees and the change in the measurement base, visit the CSD website via this [link](#).



Border Rivers crop check

Table 1: Seasonal Information for Goondiwindi based on 19th October planting date to 14th December (Source: [Cotton Seed Distributors](#))

	2020	2019	2018	2017	2016	10 year mean
Base 12	782.2	774.7 ▼	736.7 ▼	637.4 ▼	705.8 ▼	740.0 ▼
DD1532*	488.7	473.2 ▼	477.0 ▼	399.9 ▼	429.2 ▼	473.3 ▼
Cold shock days ($\leq 11^{\circ}\text{C}$)	2	7 ▲	2	3 ▲	11 ▲	3.3 ▲
Days above 36°C	22	22	8 ▼	2 ▼	10 ▼	11.7 ▼
Nights above 25°C	1	2 ▲	0 ▼	0 ▼	1	0.7 ▼
Days above 40°C	6	4 ▼	3 ▼	0 ▼	4 ▼	2.5 ▼
Total rainfall (mm)	125.5	32.8 ▼	105.0 ▼	95.7 ▼	51.9 ▼	91.7 ▼
Total radiation (MJ/m^2)	1348.1	1459.8 ▲	1373.5 ▲	1358.2 ▲	1414.7 ▲	1253.7 ▼
Average temperature ($^{\circ}\text{C}$)	25.7	25.4 ▼	24.9 ▼	23.1 ▼	24.1 ▼	24.9 ▼

* Experimental calculation.

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CROP STAGE –

- Some late plantings emerging through to 12 nodes.

INSECTS/BENEFICIALS -

- Mirids on the rise, some crops have been sprayed.

WEEDS -

- Glyphosate OTT sprays being applied. Weeds under control.

DISEASE –

- No disease evident at present.



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- 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 –

- Large range in water left available for crops from nil to 5 irrigations. Bore irrigated crops reported as being OK for water.

GENERAL COMMENTS -

- Heat and wind of recent weeks was challenging
- Crops have survived the hot week and developed good root systems.

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.