

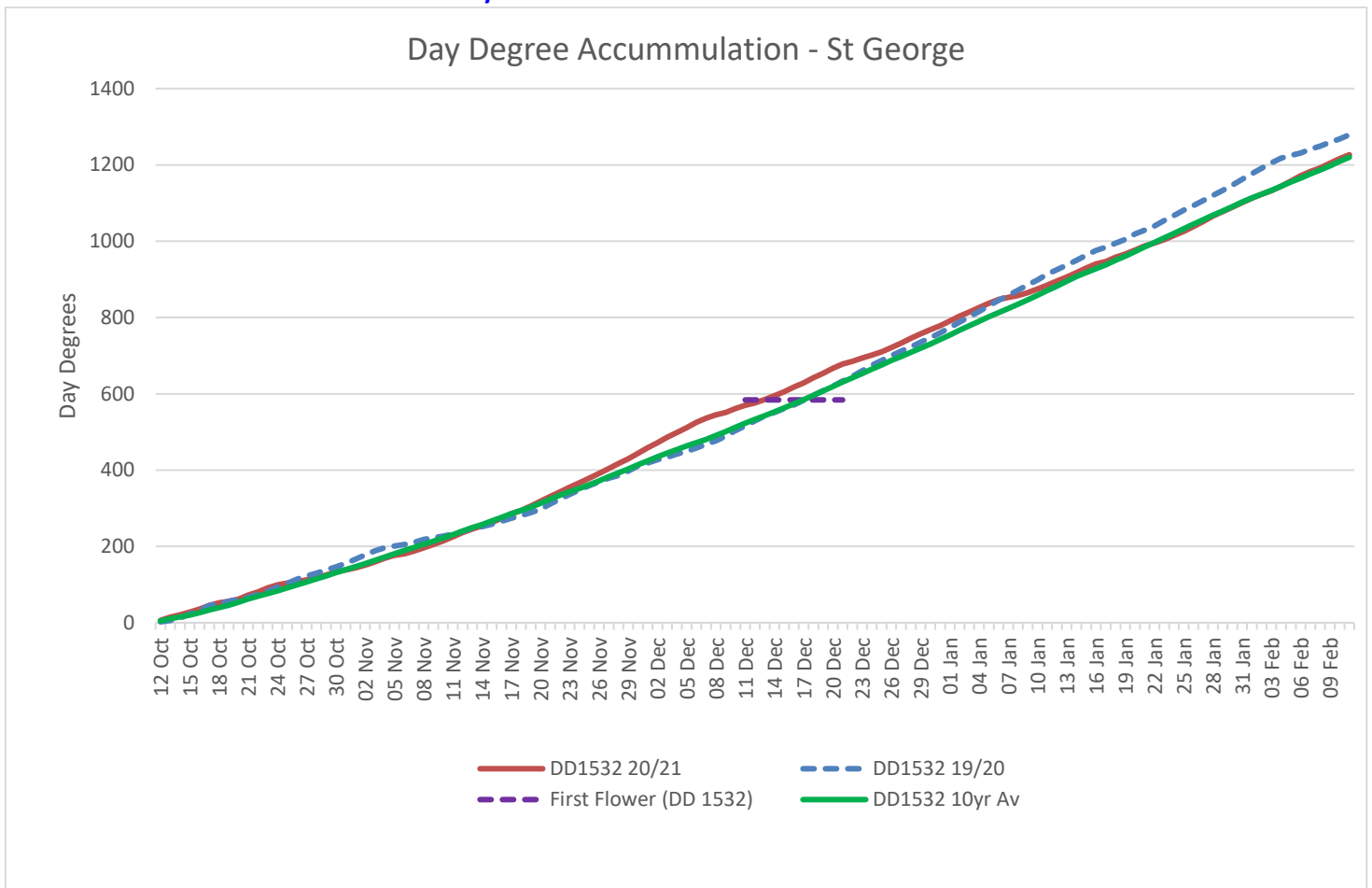


Border Rivers crop check

DATE – week ending 12.2.21

St George

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



Day degree accumulation for the current season has fallen below the last season and remains 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](#).



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

	2020	2019	2018	2017	2016	10 year mean
Base 12	1843.2	2006.6 ▲	1999.1 ▲	1809.1 ▼	1963.5 ▲	1868.9 ▲
DD1532*	1226.6	1279.0 ▲	1318.1 ▲	1175.1 ▼	1244.7 ▲	1220.0 ▼
Cold shock days (≤ 11°C)	1	8 ▲	1	2 ▲	13 ▲	4.4 ▲
Days above 36°C	35	68 ▲	60 ▲	46 ▲	55 ▲	45.9 ▲
Nights above 25°C	12	33 ▲	32 ▲	28 ▲	31 ▲	17.5 ▲
Days above 40°C	9	23 ▲	15 ▲	10 ▲	26 ▲	12.5 ▲
Total rainfall (mm)	154.6	121.8 ▼	107.4 ▼	225.4 ▲	118.0 ▼	170.0 ▲
Total radiation (MJ/m ²)	2799.5	2988.7 ▲	2996.0 ▲	2982.4 ▲	3016.9 ▲	2696.7 ▼
Average temperature (°C)	27.0	28.2 ▲	28.2 ▲	26.7 ▼	27.8 ▲	27.1 ▲

* Experimental calculation.

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

CROP STAGE -

- Crops mostly at cut out to approaching defoliation although there is a scattering of crops that have been “restarted” with the additional water received and are significantly behind – approaching flowering.

INSECTS/BENEFICIALS -

- Mirids are persisting although their ability to impact the more advanced crops is lessening.
- Silverleaf Whitefly sprays applied across much of the Balonne region with reports so far indicating these seem to be working.
- Helicoverpa moths in large numbers reported on scattered crops but not causing issues.
- Strawberry and Broad (ID unconfirmed) mites showing up in areas but at low numbers.
- Mice still causing damage in some areas – chewing stems. Significant issues in other production valleys and permit



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for Mouse Off use in cotton crops obtained by Cotton Australia.

- Shield/stink beetles, Green Potato bug and GVB present at low levels. CottonInfo IPM tech lead Paul Grundy has confirmed Green Potato bug presence in St George this season which may be confused with GVB and Green shield beetle. More information on identification can be obtained [here](#).
- Beneficial numbers appear to be building to good levels.

WEEDS -

- Sesbania growing up through canopy of some fields.
- Some grass survivors from laybys.

DISEASE -

- Minor fusarium in fields with history but more than recent years.
- Some unusual wilt continuing in a few fields, cause unknown. Samples sent for testing.
- Low level Alternaria leaf spot (ALS) in some areas.

WATER -

- Water to finish crops secured with some crops restarted.
- Some crops cut-out with pix slightly early to match water scenario.

GENERAL COMMENTS -

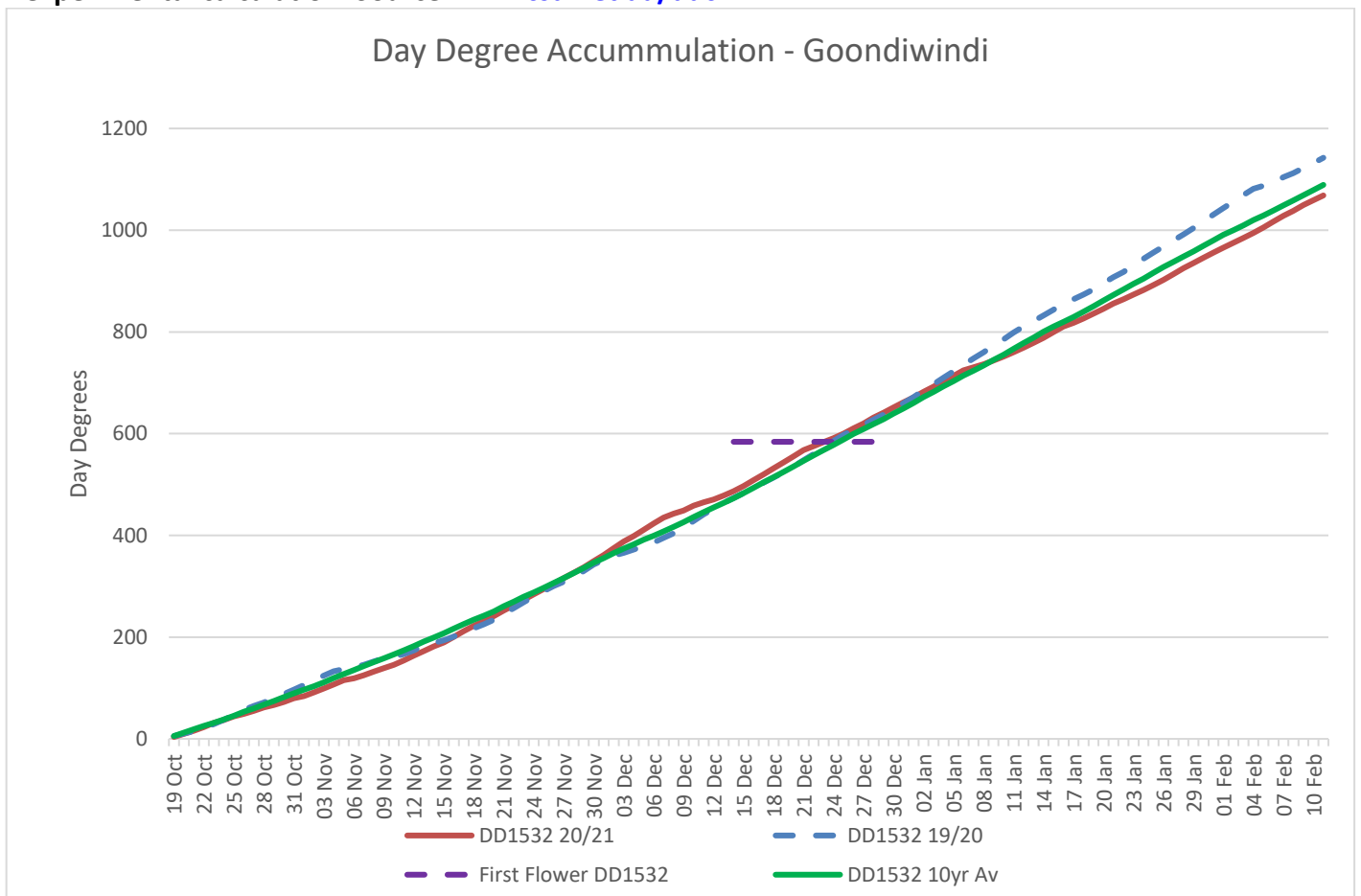
- "More Fusarium around - has affected crop more so late season"
- "Great to see a decent flow into the dam so as to allow fields to have full irrigation"



Border Rivers crop check

MacIntyre

Figure 1: Goondiwindi Day Degree comparison for period October 19 until 12th February using the 1532 experimental calculation. Source 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](#).



Border Rivers crop check

Table 1: Seasonal Information for Goondiwindi based on 19th October planting date to 12th February (Source: [Cotton Seed Distributors](#))

	2020	2019	2018	2017	2016	10 year mean
Base 12	1629.8	1802.4 ▲	1761.8 ▲	1622.6 ▼	1765.9 ▲	1665.6 ▲
DD1532*	1068.3	1142.4 ▲	1147.9 ▲	1033.3 ▼	1114.9 ▲	1089.1 ▲
Cold shock days ($\leq 11^{\circ}\text{C}$)	2	7 ▲	2	3 ▲	11 ▲	3.3 ▲
Days above 36°C	32	59 ▲	47 ▲	41 ▲	49 ▲	34.6 ▲
Nights above 25°C	1	9 ▲	2 ▲	4 ▲	11 ▲	3.4 ▲
Days above 40°C	6	13 ▲	8 ▲	6	18 ▲	7.6 ▲
Total rainfall (mm)	281.9	190.1 ▼	135.3 ▼	150.6 ▼	138.3 ▼	208.6 ▼
Total radiation (MJ/m ²)	2599.5	2783.1 ▲	2829.1 ▲	2837.0 ▲	2827.0 ▲	2509.6 ▼
Average temperature (°C)	26.0	27.4 ▲	27.2 ▲	25.9 ▼	27.1 ▲	26.3 ▲

* Experimental calculation.

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CROP STAGE –

- Flowering to cut out for the bulk of crops

INSECTS/BENEFICIALS -

- Mirids persisting with control required on some crops.
- SLW present but generally low numbers
- Green Vegetable bugs (GVB) active – treated where required.



Information when you need it



Border Rivers crop check

WEEDS -

- Weeds under control.

DISEASE -

- Fusarium and Verticillium present in the fields with history.

WATER -

- Many crops short one to multiple irrigations so outcomes likely to be mixed.

GENERAL COMMENTS -

- “Current conditions perfect for holding small bolls”

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.