



Information when you need it



Darling Downs crop check

DATE – 10 December 2021 (CC2)

Season Total Base 12 Day Degree Accumulation  **674.9**

DALBY AIRPORT

[Download](#)

Date range: 10 October, 2021 to 13 December, 2021 (65 days).

[Summary](#) [Seasonal comparison](#)

	2021	2020	2019	2018	2017	10 year mean
Base 12	674.7	787.6 ▲	816.3 ▲	715.2 ▲	647.2 ▼	738.6 ▲
DD1532*	424.8	477.7 ▲	475.9 ▲	443.4 ▲	390.6 ▼	451.3 ▲
Cold shock days ($\leq 11^{\circ}\text{C}$)	8	9 ▲	13 ▲	4 ▼	10 ▲	8.6 ▲
Days above 36°C	0	16 ▲	18 ▲	6 ▲	0	7.2 ▲
Nights above 25°C	0	0	0	0	0	0.0
Days above 40°C	0	4 ▲	2 ▲	0	0	0.8 ▲
Total rainfall (mm)	390.8	85.0 ▼	19.4 ▼	158.8 ▼	144.1 ▼	119.0 ▼
Total radiation (MJ/m^2)	1261.4	1478.1 ▲	1637.7 ▲	1463.7 ▲	1418.0 ▲	1355.7 ▲
Average temperature ($^{\circ}\text{C}$)	22.2	23.9 ▲	24.2 ▲	22.9 ▲	21.7 ▼	23.1 ▲

* Experimental calculation.



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Best Practice

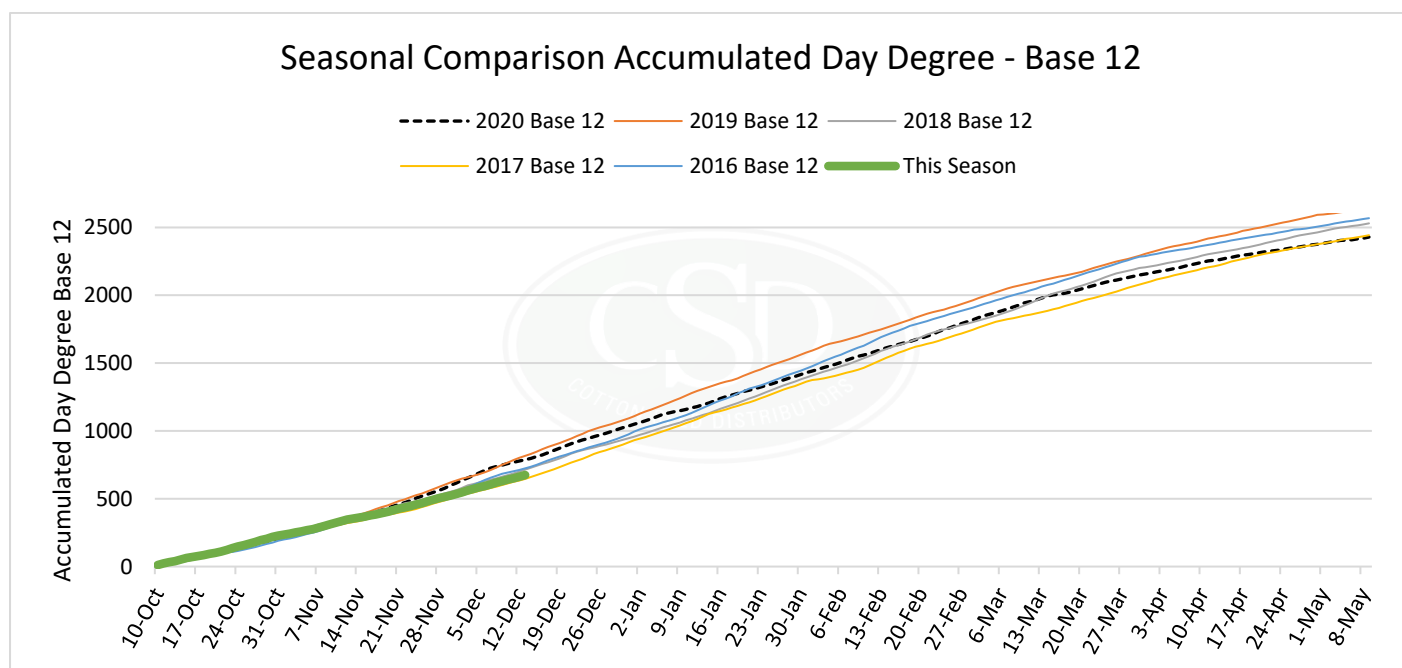


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Darling Downs crop check

Seasonal Comparison Accumulated Day Degree - Base 12



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



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Best Practice



Darling Downs crop check

AREA	Darling Downs
Crop Stage	<ul style="list-style-type: none"> Planting – flowering 12 - 15 nodes Early squaring
Irrigation	<ul style="list-style-type: none"> Wont need this for a while Dams are full
Insects/Beneficial	<ul style="list-style-type: none"> Mirid numbers starting to build Isolated aphid Beneficials numbers increasing but not as many as usual Thrip numbers have eased Ladybugs and ants
Weeds	<ul style="list-style-type: none"> Flourishing in wet conditions Red pigweed, vines, fleabane and FTRG Some fields out of control Struggling to get on fields due to wet even with planes due to large planting of sorghum around
Disease	<ul style="list-style-type: none"> Fusarium (seems to be more than usual)
Comments	<ul style="list-style-type: none"> Large areas of Sorghum have been impacted with Roundup drift Some plant loss due to flooding Temporary Zn ad P deficiency Some irrigated cotton lost along the river and low lying dryland areas Sunshine last week was good to get things growing again Buckle up for a long season

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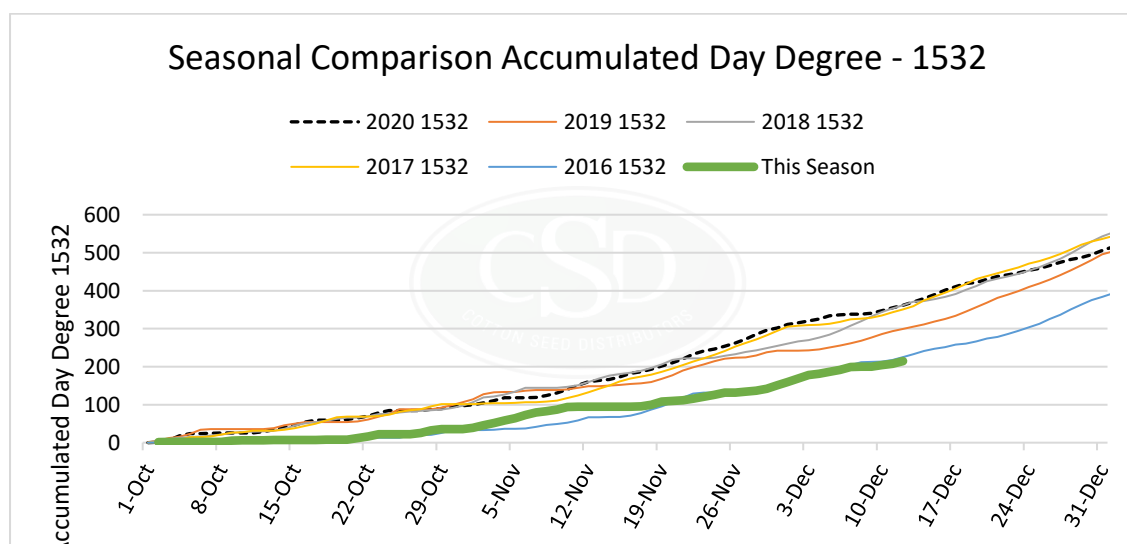
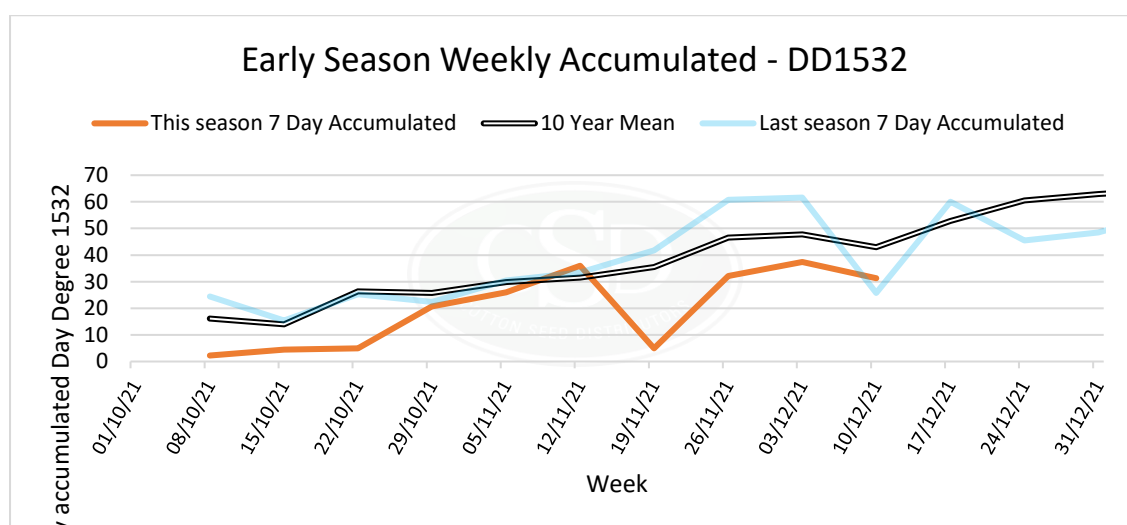


Information when you need it



Southern NSW crop check

DATE - Friday 10th December 2021 Griffith 205.7 (66% of average)





Southern NSW crop check

Seasonal Day Degree and historical data 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

AREA	Southern Valleys
Crop Stage	<ul style="list-style-type: none"> • 6 – 12 nodes • Squaring on most advanced crops with three positions
Irrigation	<ul style="list-style-type: none"> • Warmer weather next week will see first in crop irrigations commence
Insects/Beneficial	<ul style="list-style-type: none"> • Low insect activity except for Mozzies • Mirids starting to appear in crops at low frequency • Lots of beneficial insects
Weeds	<ul style="list-style-type: none"> • A range of weeds coming through in some crops. • Paddocks clean after glyphosate applications
Disease	<ul style="list-style-type: none"> • Warmer weather seeing crops outrun disease
Comments	<ul style="list-style-type: none"> • Crops growing well • Growth of 2.2 nodes last week • Need some consistent sunny and low wind weather • Early squares sticking so far but cool nights could see environmental shedding • Looking forward to this week's warm weather • Leaf/ petioles started • Wind/hail/rain damage on some farms

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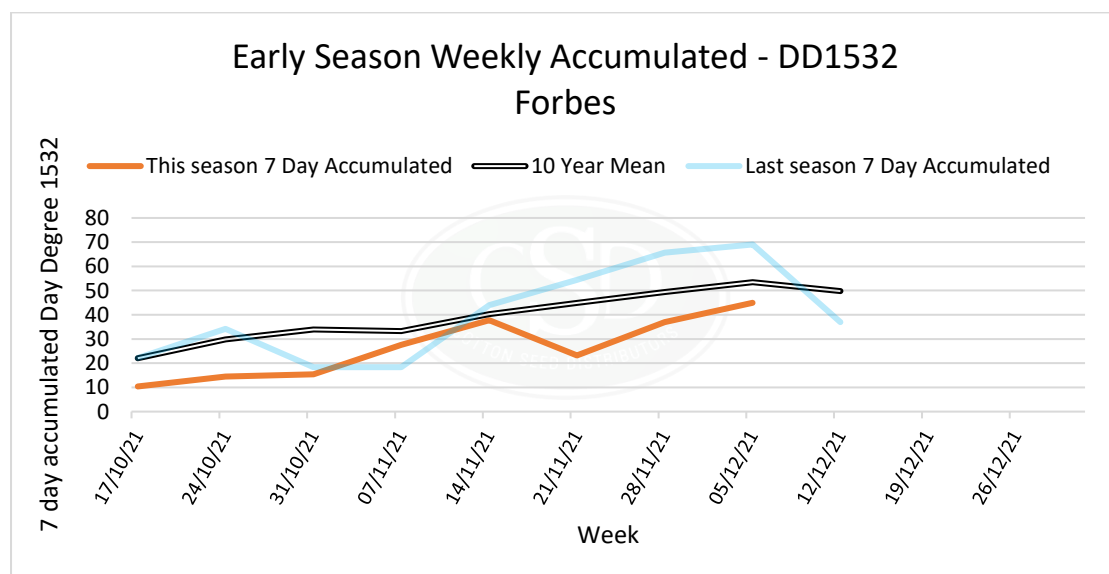
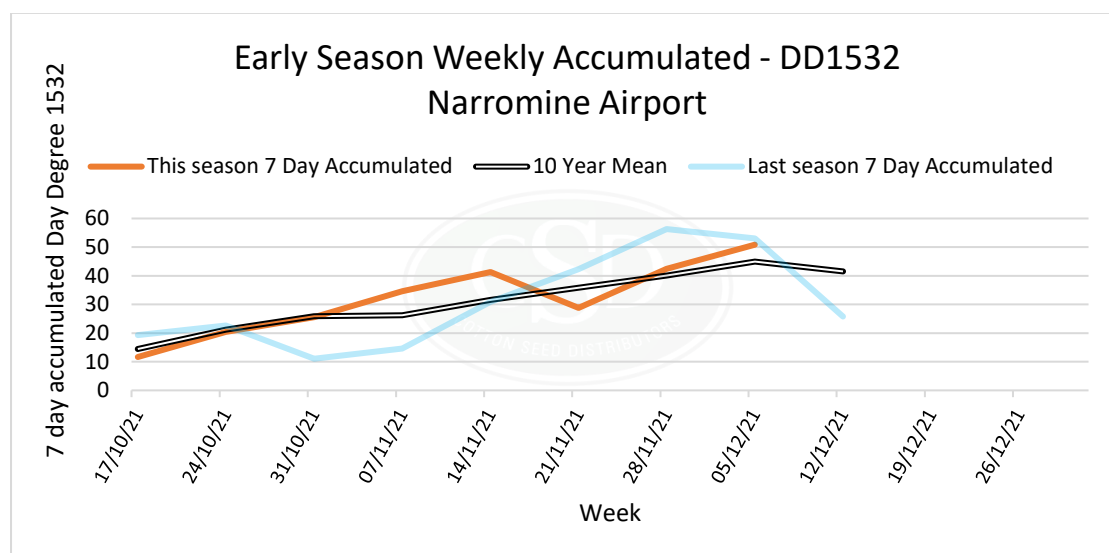
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Macquarie crop check

Monday 13th December

Please note Day Degree Calculations are in 1532 format to better reflect the DD the plant can use. Please email with any questions or further information you would like to see.

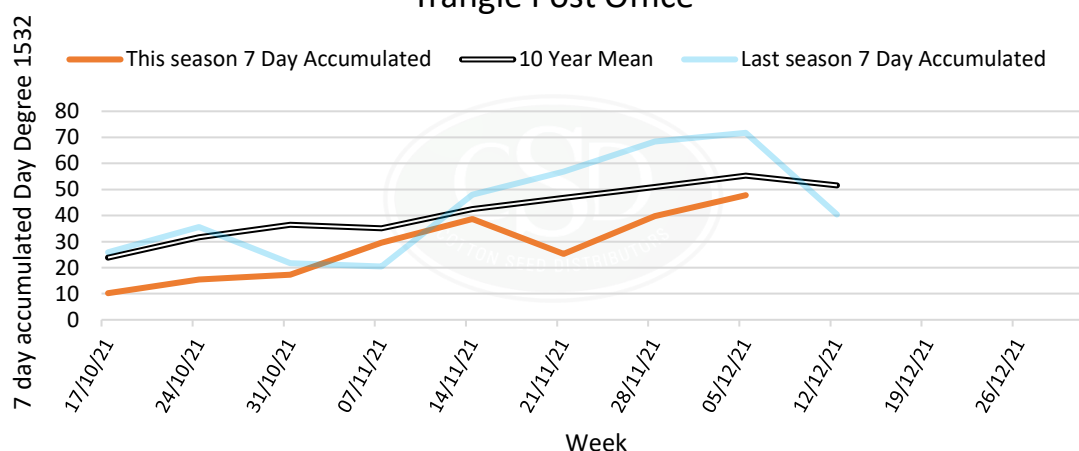




Macquarie crop check

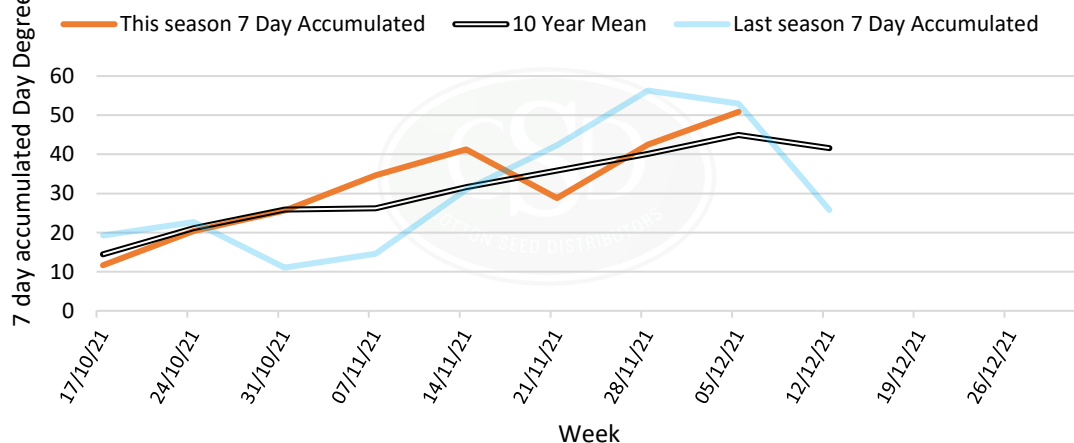
Early Season Weekly Accumulated - DD1532

Trangie Post Office



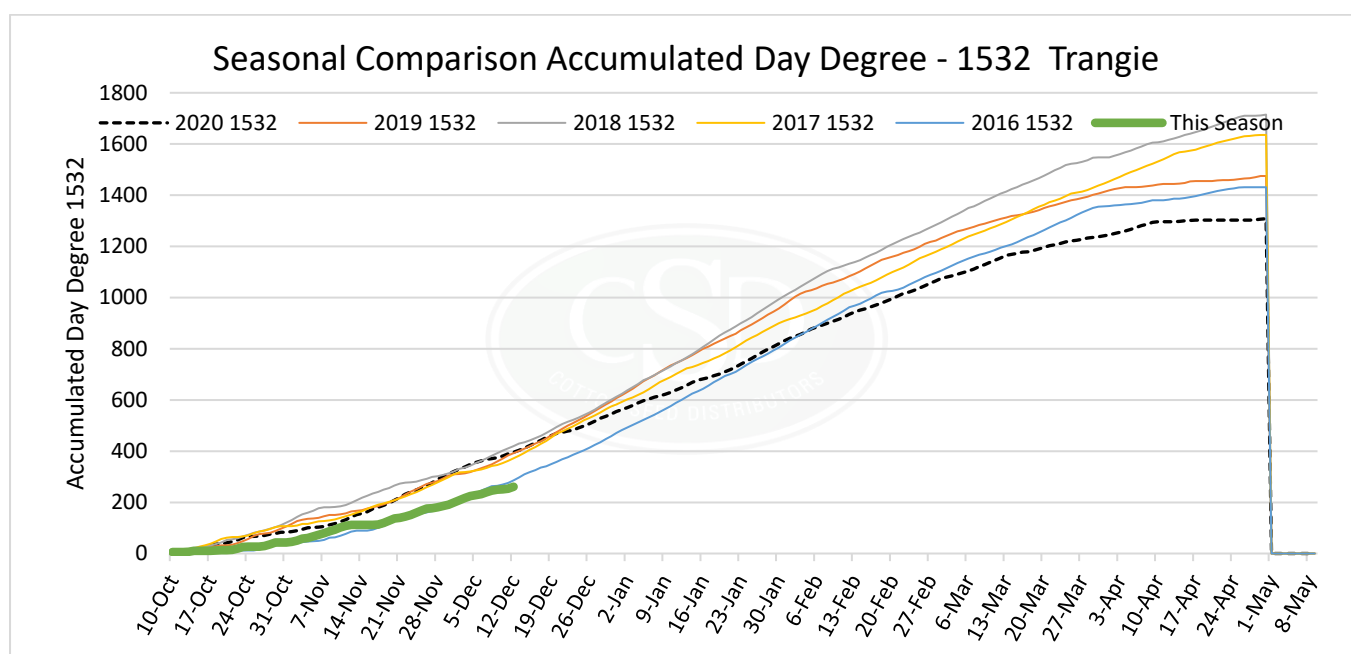
Early Season Weekly Accumulated - DD1532

Warren (Mumblebone)





Macquarie crop check



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AREA	LACHLAN – Forbes
Crop Stage	<ul style="list-style-type: none"> 5 – 7 nodes A few pin squares starting to appear
Irrigation	<ul style="list-style-type: none"> Warmer weather next week will see first in crop irrigations commence 166 mm in-crop
Insects/Beneficial	<ul style="list-style-type: none"> Low thrip pressure No cotton has been sprayed yet
Weeds	<ul style="list-style-type: none"> Small numbers where pre- emergent have been used Applying 2nd OTT Glyphosate on fields without the pre-em. Sow thistle the main weed



Macquarie crop check

Disease	<ul style="list-style-type: none"> • Low levels of disease • Alternaria, Black Root Rot, Rhizoctonia and Pythium present
Comments	<p><i>"Crops starting to recover from the cold wet start. A few pin squares can be found on the 6 & 7 nodes"</i></p> <p><i>"Have been applying foliar fertiliser while waiting for fields to dry out to side dress or water run N".</i></p> <p><i>"Have lost three fields the flood and some cotton in the bottom of tail drains in other fields"</i></p>

AREA	MACQUARIE - Trangie Nevertire Narromine Warren
Crop Stage	<ul style="list-style-type: none"> • 6-10 Nodes (Trangie) • 9 – 14 Nodes (Nevertire) • 5 – 9 Nodes (Narromine) • 7 – 10 Nodes (Warren)
Irrigation	<ul style="list-style-type: none"> • No in crop irrigation applied yet • First in crop interrupted by rain – Restart Monday 13th with 80 units N water run urea • No Irrigations since water up • Possible first one before Christmas
Insects/Beneficial	<ul style="list-style-type: none"> • Nil • Few pin squares lost in the more advanced cotton due to ADB, no real concern, • Crops growing out of early season thrip pressure • Thrip pressure low – moderate • Dimethoate applied to try and build leaf area after sandblasting in some fields. • Finding Mirids at Warren now, but square retention is still very good at 80+%
Weeds	<ul style="list-style-type: none"> • 2nd OTT Glyphosate occurring • Clethodim applied where windmill grass present • Cultivation to occur in next 2 weeks for volunteer cotton on back-to-back and where fleabane is present • Plenty of weeds due to regular rain • . •



Macquarie crop check

Disease	<ul style="list-style-type: none"> • Alternaria in back-to-back early season • Black root rot present where there is a history. • Lots of seedling disease present early season.
Comments	<p><i>"Development 10 days behind last season"</i></p> <p><i>"Crop finally squaring (Except late planted crops)"</i></p> <p><i>"Low spots/tail drains experiencing water logging"</i></p> <p><i>"Generally, crop is small and late and some plants were off in color due to cool temps, cloud and sandblasting disease etc."</i></p> <p><i>"worst start I can remember"</i></p>

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Namoi crop check

DATE – Friday 10th December

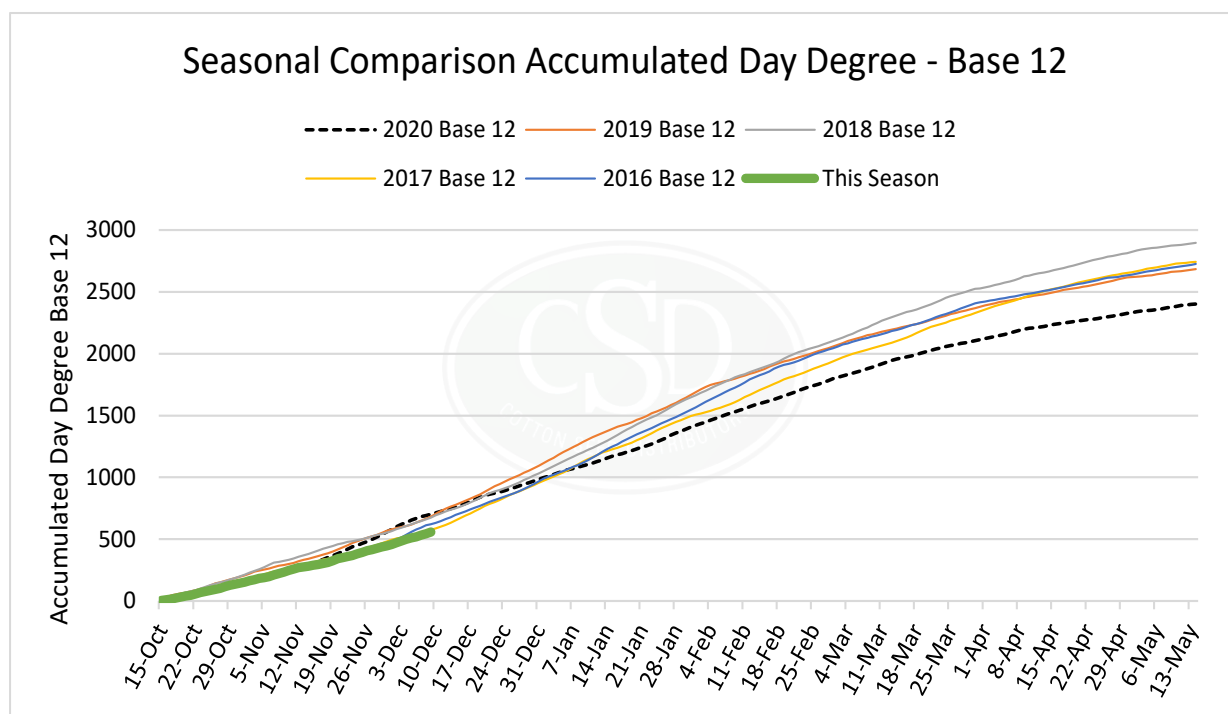


Figure 1: Seasonal Day Degree Accumulation – Narrabri Airport, taken 9th December 2021

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Namoi crop check

AREA	Namoi
Crop Stage	<ul style="list-style-type: none"> • Cotton growth stage severely impacted by flooding across the region. • Anywhere from 6-12 nodes across the Namoi • First fruiting positions and early squares • Sun has finally started coming out which has really kicked the crop into gear • Lots of foliar fertiliser going out on farm to help the crop grow through waterlogging and help push the crop into squaring growth stage • Some hail damage where bad storms went across (South of Gunnedah)
Irrigation	<ul style="list-style-type: none"> • Some farms have missed the storms and started irrigating mid this week, others on track to be irrigating at Christmas
Insects/Beneficial	<ul style="list-style-type: none"> • Pests seen <ul style="list-style-type: none"> - Thrips - Mirids - Helicoverpa egg lays • Beneficials <ul style="list-style-type: none"> - Spiders - Ladybugs - Ants • Insecticide application with herbicide sprays • Retention varied across the region – some OK, others spraying to protect first squares • General concern that poor weather will cause shedding in the coming weeks
Weeds	<ul style="list-style-type: none"> • Inter-row cultivation occurring where fields are accessible for weed control • Many growers relying on aerial spraying due to wet fields where ground application would usually occur
Disease	<ul style="list-style-type: none"> • As previous, disease incidence in young cotton plants this year but severity heightened due to environmental conditions • Disease seen: <ul style="list-style-type: none"> - Alternaria - Rhizoctonia



Namoi crop check

Comments

- Aerial sprayers very busy and meaning growers waiting up to a week for jobs to be completed
- Access to airstrips, chemical delivery and high demand contributing
- Foliar fertiliser such as Triple 7 and Rapisol Zn being used
- “Finally some sunshine”
- “Tail drains yellow where water backed up and couldn’t drain”

Figure 1 above shows current day degree accumulation in comparison to previous years. Note this season and 2017 season day degree accumulation are quite similar. 2017 was also a cold, wet start to the season.

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Walgett & Bourke crop check

DATE – Friday 10th December 2021

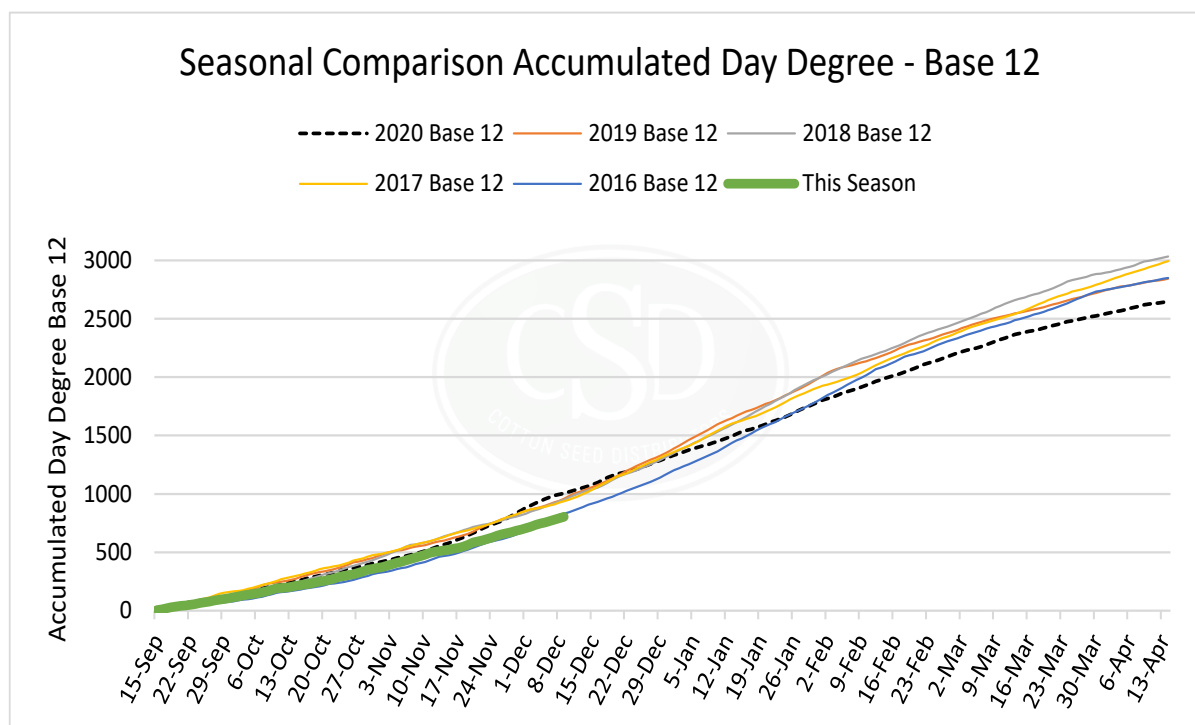


Figure 1: Seasonal Day Degree Accumulation – Walgett Airport, taken 9th December 2021

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Walgett & Bourke crop check

AREA	Walgett
Crop Stage	<ul style="list-style-type: none"> • Cotton crop anywhere from replant to 8 nodes • First pin squares just starting to appear • Dryland cotton has taken full advantage of recent rainfall and is looking good (Rowena) • Cotton looks healthy considering the recent rain/flood/stormy weather
Insects/Beneficial	<ul style="list-style-type: none"> • Not too many insects at this stage but numbers building • Pests <ul style="list-style-type: none"> - Thrips - Mirids (very low numbers) - Helicoverpa egg lays
Weeds	<ul style="list-style-type: none"> • First in crop herbicide sprays have one out, the second will go ahead soon
Disease	<ul style="list-style-type: none"> • Mainly seedling diseases, however crop growing through any infection with very healthy true leaves
Comments	<ul style="list-style-type: none"> • Most growers using the opportunity between rainfall events to inter row cultivate, apply foliar fertiliser and spray for weeds. • "Crop is loving the warmer weather" • "A bit behind the Wee Waa crops" • "Cotton has some catching up to do" <p>As expected day degree accumulation is lower in comparison to recent years. The forecast for Walgett over the next week shows increasing temperatures, with the first 40°C day predicted for Saturday 18th December.</p>



Walgett & Bourke crop check

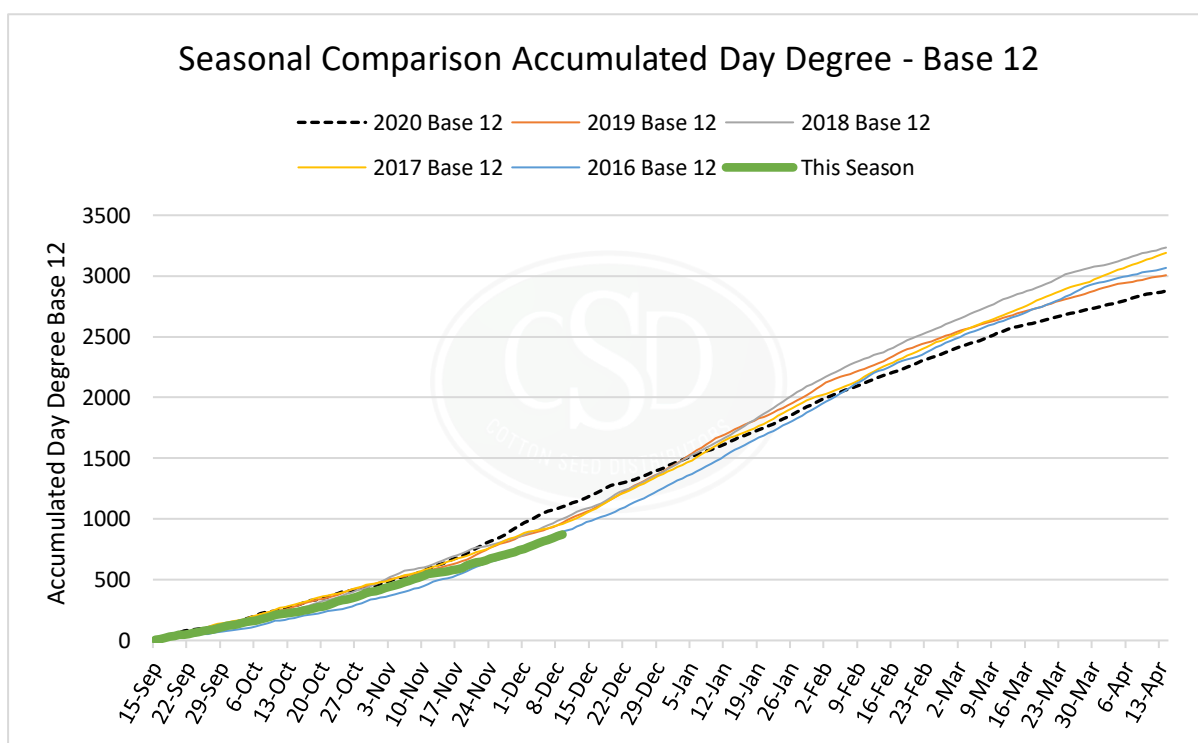


Figure 2: Seasonal Day Degree Accumulation – Bourke Airport, taken 9th December 2021

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Walgett & Bourke crop check

AREA	Bourke
Crop Stage	<ul style="list-style-type: none"> Replanted crops from storm damage are at cotyledon growth stage Other fields up to 15 nodes Squaring well, good 1st position retention so far >85% Some fertiliser going on ahead of next irrigation Nodes to first fruiting branch 7
Irrigation	<ul style="list-style-type: none"> Irrigation soon, spreading fertiliser beforehand
Insects/Beneficial	<ul style="list-style-type: none"> Pest numbers very low, the odd SilverLeaf Whitefly Beneficial numbers strong with Ladybeetles and spiders
Weeds	<ul style="list-style-type: none"> New germination of weeds coming through Most crops have had two in crop herbicide applications Inter row cultivation cleaned up paddocks well also
Comments	<ul style="list-style-type: none"> "Cotton looks good!" "Cultivation helped clean up weeds" "Nice to see some hot weather on the forecast" <p>As similar with Walgett, Bourke has seen a jump in day degree accumulation however still behind recent years. Current forecast for Bourke indicates night temperatures over 20°C and up to 43°C by the end of the week.</p>

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