



Namoi, Walgett, Bourke crop check

Bourke & Walgett

BOURKE AIRPORT

Date range: 9 September, 2020 to 20 January, 2021 (134 days).

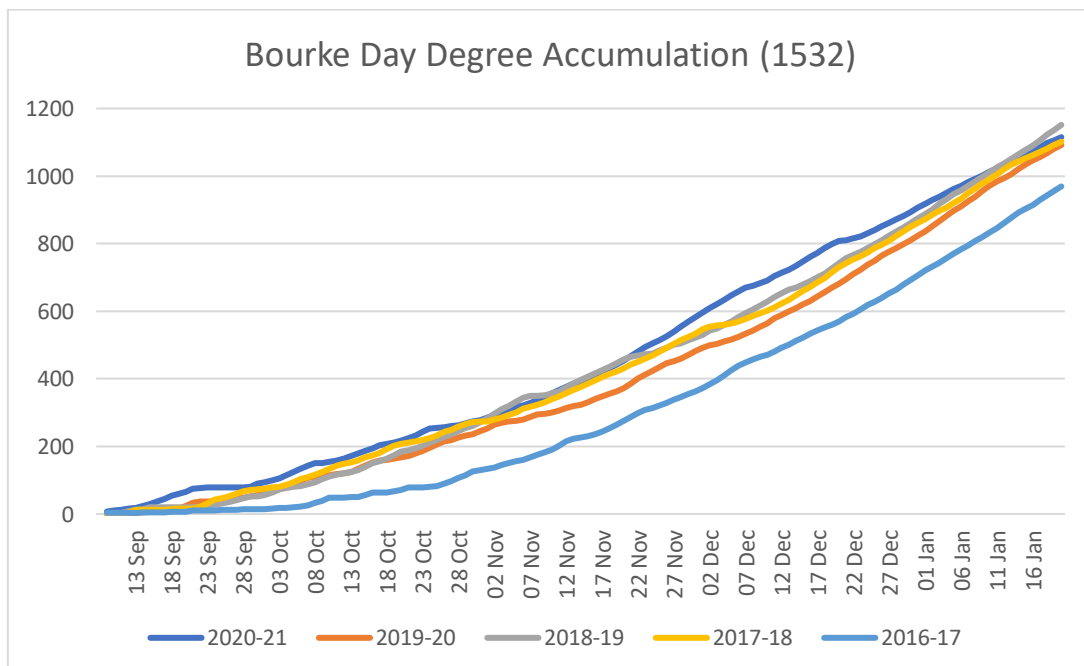
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Summary [Seasonal comparison](#)

	2020	2019	2018	2017	2016	10 year mean
Base 12	1794.9	1879.6 ▲	1911.8 ▲	1823.5 ▲	1717.4 ▼	1803.2 ▲
DD1532*	1115.0	1091.6 ▼	1151.4 ▲	1101.5 ▼	969.3 ▼	1070.3 ▼
Cold shock days (≤ 11°C)	18	25 ▲	21 ▲	18	36 ▲	24.9 ▲
Days above 36°C	39	57 ▲	51 ▲	45 ▲	55 ▲	47.0 ▲
Nights above 25°C	8	21 ▲	24 ▲	16 ▲	18 ▲	12.8 ▲
Days above 40°C	14	29 ▲	27 ▲	20 ▲	19 ▲	18.5 ▲
Total rainfall (mm)	126.0	111.8 ▼	99.8 ▼	171.6 ▲	88.5 ▼	103.1 ▼
Total radiation (MJ/m ²)	3094.9	3273.5 ▲	3218.4 ▲	3182.0 ▲	3057.6 ▼	2921.6 ▼
Average temperature (°C)	25.2	25.6 ▲	25.9 ▲	25.3 ▲	24.3 ▼	25.1 ▼

* Experimental calculation.

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



Walgett

WALGETT AIRPORT AWS

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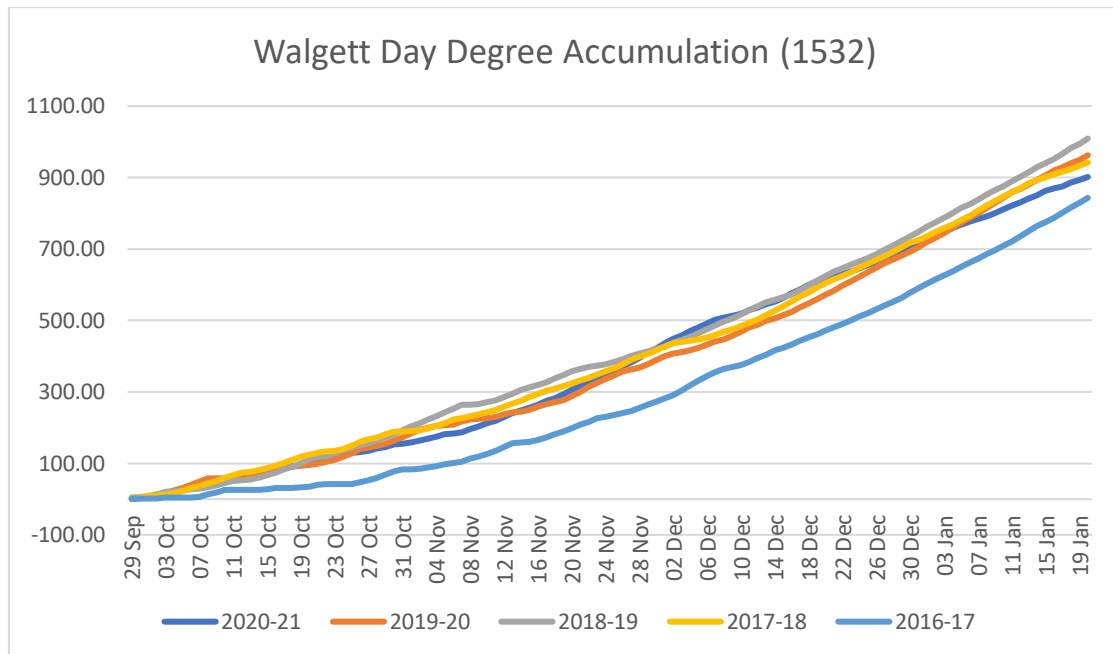
Date range: 28 September, 2020 to 20 January, 2021 (115 days).

Summary Seasonal comparison

	2020	2019	2018	2017	2016	10 year mean
Base 12	1495.7	1664.2 ▲	1653.3 ▲	1575.3 ▲	1522.3 ▲	1557.7 ▲
DD1532*	901.5	965.9 ▲	1015.4 ▲	953.6 ▲	843.2 ▼	929.5 ▲
Cold shock days (≤ 11°C)	19	25 ▲	11 ▼	16 ▼	34 ▲	19.8 ▲
Days above 36°C	31	55 ▲	44 ▲	41 ▲	48 ▲	40.1 ▲
Nights above 25°C	5	14 ▲	15 ▲	8 ▲	13 ▲	7.7 ▲
Days above 40°C	11	21 ▲	20 ▲	17 ▲	15 ▲	13.0 ▲
Total rainfall (mm)	182.8	27.0 ▼	104.0 ▼	112.4 ▼	109.6 ▼	107.5 ▼
Total radiation (MJ/m ²)	2628.3	2836.4 ▲	2772.9 ▲	2758.8 ▲	2761.1 ▲	2529.7 ▼
Average temperature (°C)	24.7	26.0 ▲	26.2 ▲	25.5 ▲	24.4 ▼	25.2 ▲

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Bourke & Walgett Crop Check Summary

Area	Bourke	Walgett
Crop Stage	<ul style="list-style-type: none"> 17-27 fb approaching cut out 	<ul style="list-style-type: none"> 20 – 27 nodes 8 – 11 NAWF Some late planted cotton 6 nodes (after chickpeas)
Irrigation	<ul style="list-style-type: none"> 6th irrigation will be working off 8 day intervals 	<ul style="list-style-type: none"> 8 – 10 day turn around irrigation cycles Some great rainfall around 1-2 inches will delay next irrigation
Insects/Beneficial	<ul style="list-style-type: none"> High mirid pressure early in the season and has backed off lately. Admiral out for whitefly for 14 days so starting to see a reduction of SLW numbers SLW higher than previous seasons 	<ul style="list-style-type: none"> Large heli egg lay early Jan (sorted out by RBB) Volunteer chickpeas attracting grubs into late cotton Some whitefly appearing in recent checks
Weeds	<ul style="list-style-type: none"> 	<ul style="list-style-type: none"> late cotton planted out of chickpeas have volunteer CP hard to kill.
Disease	<ul style="list-style-type: none"> Small patch of Verticillium (at Brewarrina) 	<ul style="list-style-type: none">
Comments	<ul style="list-style-type: none"> 	<ul style="list-style-type: none"> Mice still persistent and doing damage to growth tips

Lower Namoi

WEE WAA AG. RES. STN.

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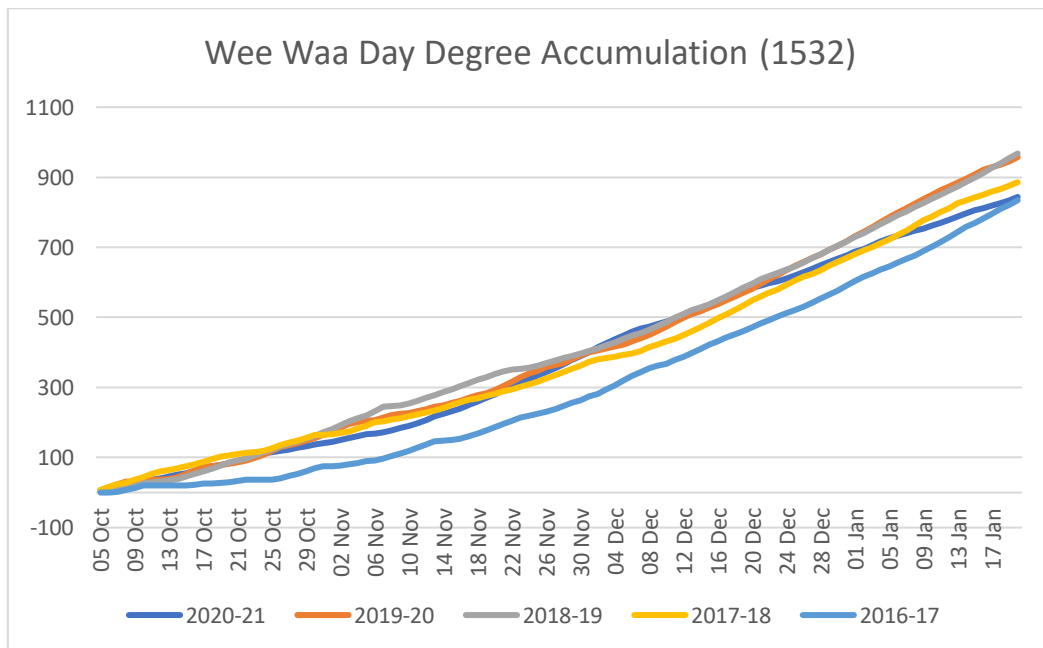
Date range: 5 October, 2020 to 20 January, 2021 (108 days).

Summary [Seasonal comparison](#)

	2020	2019	2018	2017	2016	10 year mean
Base 12	1337.7	1565.2 ▲	1516.5 ▲	1420.2 ▲	1423.4 ▲	1425.5 ▲
DD1532*	843.7	957.5 ▲	967.8 ▲	885.7 ▲	834.3 ▼	887.1 ▲
Cold shock days ($\leq 11^{\circ}\text{C}$)	11	13 ▲	4 ▼	9 ▼	26 ▲	12.2 ▲
Days above 36°C	21	51 ▲	36 ▲	34 ▲	32 ▲	30.1 ▲
Nights above 25°C	1	12 ▲	8 ▲	7 ▲	10 ▲	5.4 ▲
Days above 40°C	5	14 ▲	9 ▲	10 ▲	12 ▲	7.3 ▲
Total rainfall (mm)	280.3	72.7 ▼	195.3 ▼	173.4 ▼	88.7 ▼	171.9 ▼
Total radiation (MJ/m ²)	2379.1	2625.1 ▲	2568.7 ▲	2577.1 ▲	2607.3 ▲	2352.4 ▼
Average temperature (°C)	24.2	26.3 ▲	26.0 ▲	25.0 ▲	24.6 ▲	25.0 ▲

* Experimental calculation.

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Upper Namoi

GUNNEDAH AIRPORT AWS

Date range: 5 October, 2020 to 20 January, 2021 (108 days).

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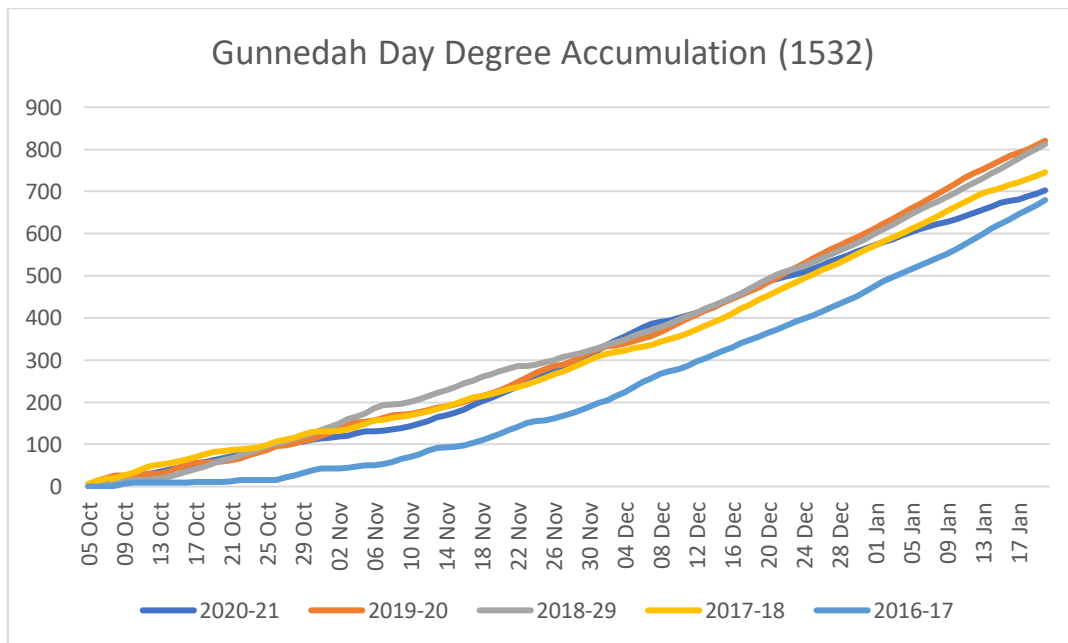
[Summary](#) [Seasonal comparison](#)

	2020	2019	2018	2017	2016	10 year mean
Base 12	1189.9	1430.5 ▲	1346.3 ▲	1267.5 ▲	1263.9 ▲	1272.2 ▲
DD1532*	702.8	820.5 ▲	812.4 ▲	745.6 ▲	679.6 ▼	738.3 ▲
Cold shock days ($\leq 11^{\circ}\text{C}$)	22	25 ▲	12 ▼	17 ▼	37 ▲	21.9 ▼
Days above 36°C	13	45 ▲	34 ▲	26 ▲	24 ▲	23.6 ▲
Nights above 25°C	1	1	0 ▼	0 ▼	1	0.5 ▼
Days above 40°C	3	10 ▲	7 ▲	4 ▲	6 ▲	4.6 ▲
Total rainfall (mm)	378.8	51.0 ▼	203.0 ▼	255.6 ▼	169.8 ▼	188.3 ▼
Total radiation (MJ/m^2)	2279.2	2569.9 ▲	2486.7 ▲	2525.4 ▲	2577.8 ▲	2283.4 ▲
Average temperature ($^{\circ}\text{C}$)	22.7	24.8 ▲	24.3 ▲	23.4 ▲	22.7	23.3 ▲

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Namoi Crop Check Summary

Area	Lower Namoi	Upper Namoi
Crop Stage	<ul style="list-style-type: none"> • Cotton emerging - 6 nodes • 22 – 26 nodes 	<ul style="list-style-type: none"> • 18 – 23 nodes • 18 – 24 nodes, 7 – 9 NAWF • 19 – 25 nodes
Irrigation	<ul style="list-style-type: none"> • 4 in crops • Rainfall saved irrigation 	<ul style="list-style-type: none"> • Most crops getting 1st & 2nd waters. • Started second in-crop irrigation with laterals and flood last week • A few a bit late on water this week. First in crop for flood and about 1ML applied on the overhead. • All flood had 2 waters • Overhead has had 3 x 40mm & about to go again.
Insects/Beneficial	<ul style="list-style-type: none"> • Mirids dropped right off • Heli through the roof in eggs but dropping off now. • Starting to see swf • Mites popping up low level 	<ul style="list-style-type: none"> • SLWF increasing. • Mirids low • SLWF low but increasing north of Gunnedah • South of Gunnedah population is very low. • 70% fields had 1 mirid spray. • Good beneficial numbers
Weeds	<ul style="list-style-type: none"> • Mainly grasses dims/fops 	<ul style="list-style-type: none"> •
Disease	<ul style="list-style-type: none"> • Vert is off the chart – everywhere in areas unseen before. 	<ul style="list-style-type: none"> • Bits and pieces of Alternaria around still • Vert is starting to set in on the high-pressure blocks. • Some fungus starting to grow on hail scars low in the canopy.
Comments	<ul style="list-style-type: none"> • Are we seeing higher than normal heliothis numbers because of other crops around? Ie corn?? • Conventional cotton: <ul style="list-style-type: none"> ○ Regularly spraying, 5-7 days pressure has been high. 	<ul style="list-style-type: none"> • Has been too cold and too cloudy. • Some pixing • Some fields have had mepiquat applied. • Everything has been hit with pix in the last 10 days and will get another hit out of this water. • Crop coming in good after a tough start. • Will be a late finish. • Dryland will need pix if we get more rain.