



Namoi, Walgett, Bourke crop check

Bourke & Walgett

BOURKE AIRPORT

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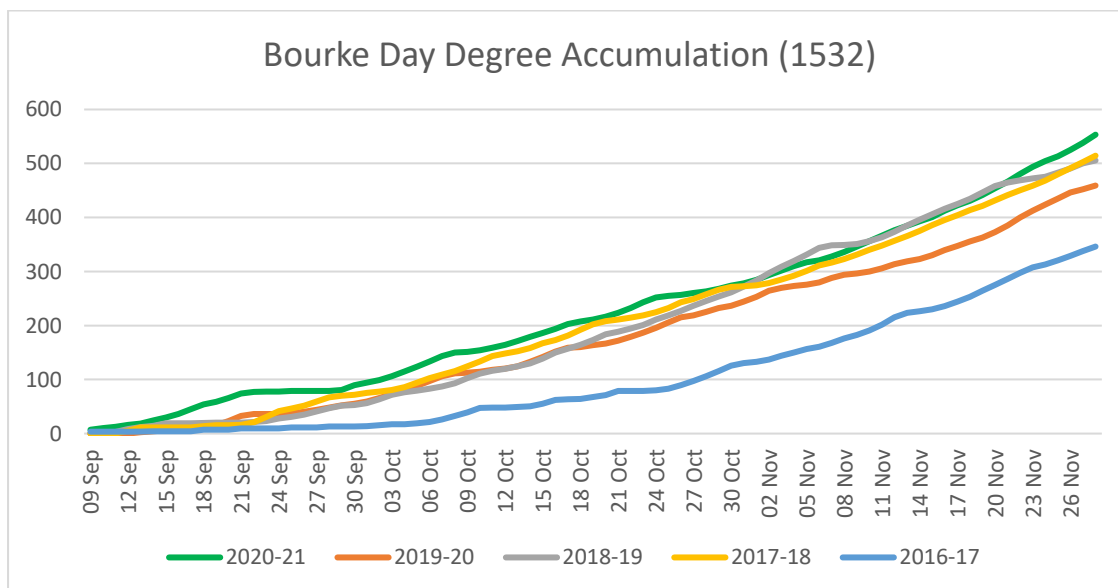
Date range: 9 September, 2020 to 28 November, 2020 (81 days).

Summary Seasonal comparison

	2020	2019	2018	2017	2016	10 year mean
Base 12	945.2	854.2 ▼	878.0 ▼	878.8 ▼	726.4 ▼	880.5 ▼
DD1532*	553.4	459.2 ▼	505.6 ▼	514.4 ▼	346.2 ▼	485.5 ▼
Cold shock days ($\leq 11^{\circ}\text{C}$)	18	25 ▲	21 ▲	18	36 ▲	24.8 ▲
Days above 36°C	16	14 ▼	9 ▼	7 ▼	11 ▼	13.9 ▼
Nights above 25°C	3	1 ▼	1 ▼	0 ▼	1 ▼	1.2 ▼
Days above 40°C	7	3 ▼	0 ▼	3 ▼	0 ▼	3.6 ▼
Total rainfall (mm)	53.0	97.8 ▲	77.0 ▲	88.2 ▲	70.9 ▲	59.9 ▲
Total radiation (MJ/m^2)	1820.9	1904.0 ▲	1812.0 ▼	1769.0 ▼	1784.6 ▼	1702.5 ▼
Average temperature ($^{\circ}\text{C}$)	23.3	21.9 ▼	22.3 ▼	22.3 ▼	20.1 ▼	22.2 ▼

* Experimental calculation.

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



WALGETT AIRPORT AWS

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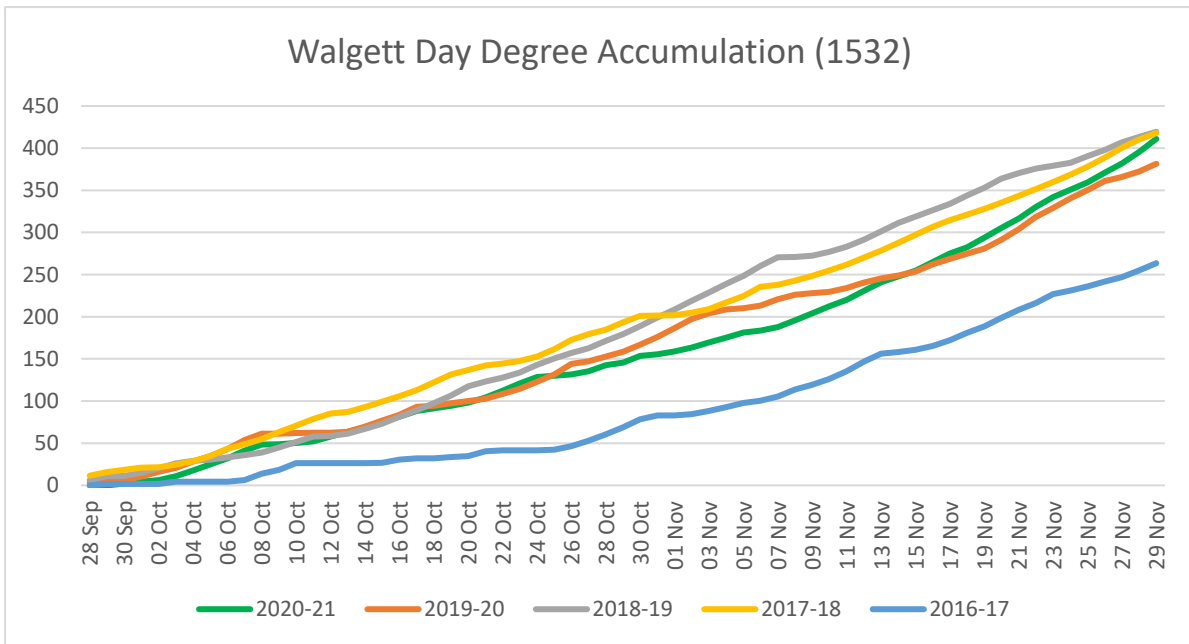
Date range: 28 September, 2020 to 29 November, 2020 (63 days).

Summary Seasonal comparison

	2020	2019	2018	2017	2016	10 year mean
Base 12	731.2	716.4 ▼	707.2 ▼	695.8 ▼	593.0 ▼	713.9 ▼
DD1532*	411.0	381.5 ▼	419.4 ▲	417.9 ▲	263.6 ▼	398.8 ▼
Cold shock days ($\leq 11^{\circ}\text{C}$)	18	24 ▲	11 ▼	14 ▼	33 ▲	18.6 ▲
Days above 36°C	13	14 ▲	7 ▼	6 ▼	8 ▼	10.7 ▼
Nights above 25°C	3	1 ▼	0 ▼	0 ▼	0 ▼	0.8 ▼
Days above 40°C	6	3 ▼	2 ▼	0 ▼	0 ▼	2.6 ▼
Total rainfall (mm)	81.4	26.2 ▼	76.0 ▼	72.2 ▼	61.6 ▼	57.3 ▼
Total radiation (MJ/m ²)	1462.2	1520.6 ▲	1402.5 ▼	1371.8 ▼	1504.9 ▲	1351.3 ▼
Average temperature (°C)	23.0	22.6 ▼	22.9 ▼	22.7 ▼	20.0 ▼	22.7 ▼

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Bourke & Walgett Crop Check Summary

Area	Bourke	Walgett
Crop Stage	<ul style="list-style-type: none"> • 4 – 15 nodes • Early cotton squaring 	<ul style="list-style-type: none"> • 18 – 20 nodes • 6 – 14 nodes • Some just emerging
Irrigation	<ul style="list-style-type: none"> • Older crops had first irrigation 2 weeks ago and is on 7-day cycle now 	<ul style="list-style-type: none"> • 2nd irrigation due on older cotton • First irrigation has commenced on younger crops
Insects/Beneficial	<ul style="list-style-type: none"> • 2 mirid flights and 2 sprays • Thrip pressure moderate 	<ul style="list-style-type: none"> • 2 insecticide sprays (mirids & thrips) • Seeing mirid come in the last few days
Weeds	<ul style="list-style-type: none"> • Most fields have had their 1st or 2nd Glyphosate OTT spray. 	<ul style="list-style-type: none"> • 1-2 gly applications • Saltbush a persistent problem in some areas •
Disease	<ul style="list-style-type: none"> • Low in general 	<ul style="list-style-type: none"> • Low in general
Comments	<ul style="list-style-type: none"> • Establishment and initial growth was slow in the older cotton due to cold snap • Later planted cotton bouncing out of the ground with warm temperatures 	<ul style="list-style-type: none"> • Top 5 retentions have fallen with recent mirid activity (first round of insecticide to commence on younger cotton) • Seems to be some long fallow disorder • Some herbicide damage potentially from camera sprays

Lower Namoi

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Date range: 5 October, 2020 to 29 November, 2020 (56 days).

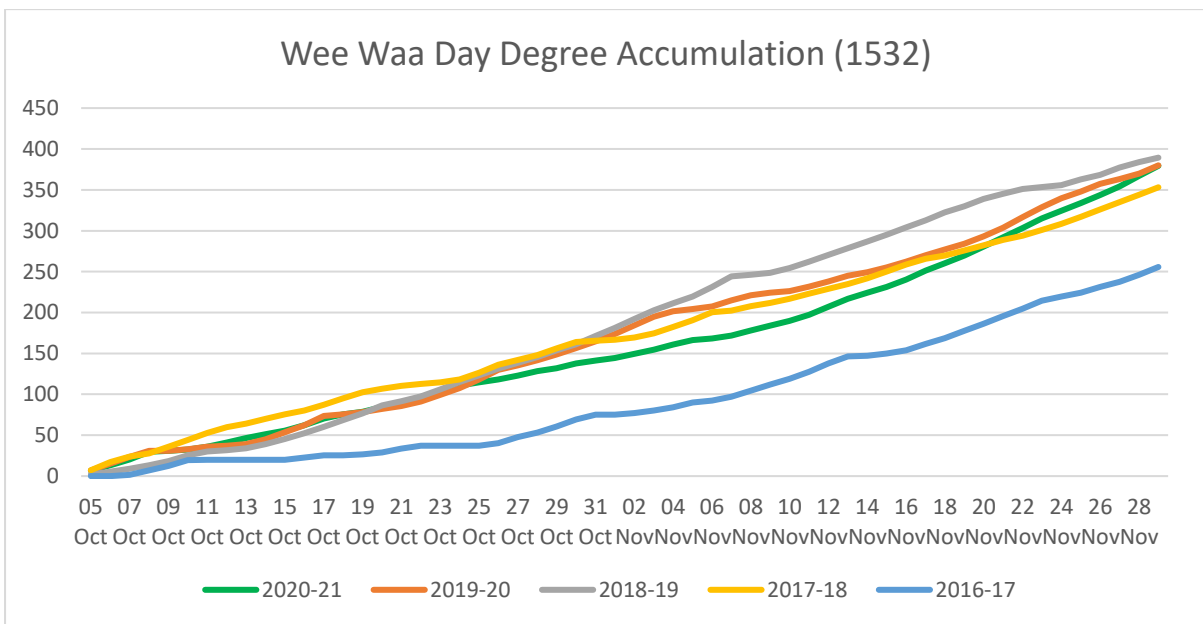
Summary Seasonal comparison

	2020	2019	2018	2017	2016	10 year mean
Base 12	635.1	645.8 ▲	623.6 ▼	581.7 ▼	520.8 ▼	623.9 ▼
DD1532*	379.4	380.0 ▲	389.4 ▲	353.2 ▼	255.7 ▼	369.8 ▼
Cold shock days (≤ 11°C)	9	12 ▲	4 ▼	9	25 ▲	11.3 ▲
Days above 36°C	10	12 ▲	3 ▼	1 ▼	2 ▼	6.5 ▼
Nights above 25°C	0	1 ▲	1 ▲	0	0	0.4 ▲
Days above 40°C	1	1	1	0 ▼	0 ▼	1.2 ▲
Total rainfall (mm)	68.0	52.4 ▼	147.6 ▲	116.3 ▲	59.2 ▼	89.3 ▲
Total radiation (MJ/m ²)	1273.5	1350.6 ▲	1231.2 ▼	1230.5 ▼	1370.2 ▲	1197.6 ▼
Average temperature (°C)	23.1	23.2 ▲	23.0 ▼	22.1 ▼	20.3 ▼	22.8 ▼

* Experimental calculation.

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11:29 AM 30/11/2020



Upper Namoi

GUNNEDAH AIRPORT AWS

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Date range: 5 October, 2020 to 29 November, 2020 (56 days).

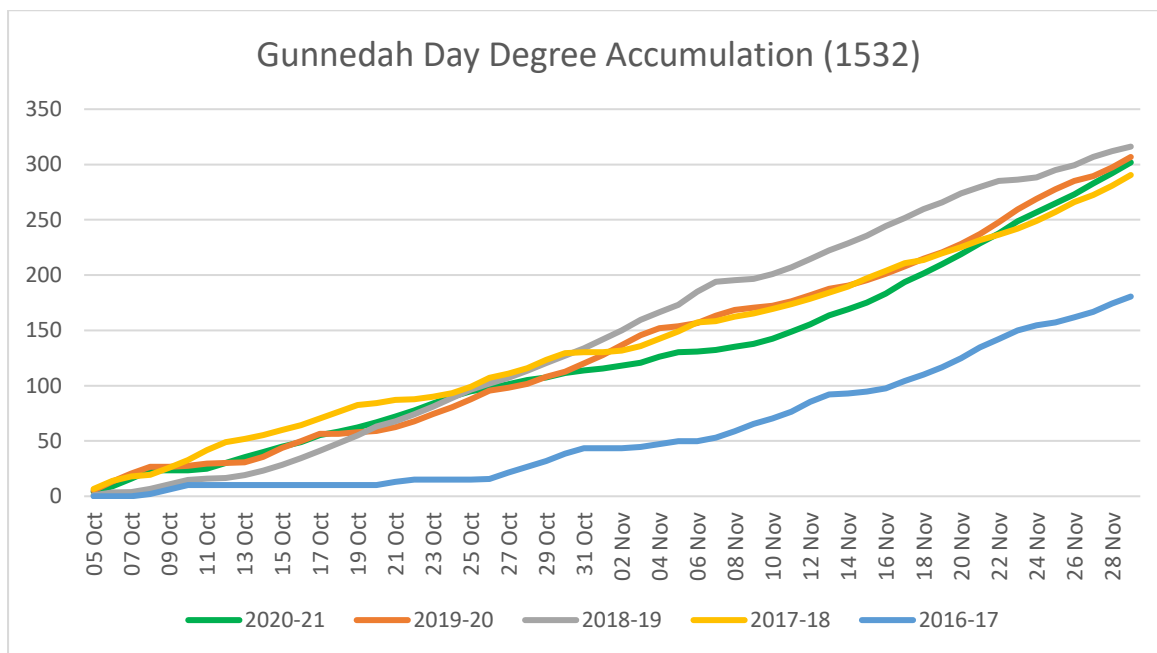
Summary Seasonal comparison

	2020	2019	2018	2017	2016	10 year mean
Base 12	562.7	582.9 ▲	551.6 ▼	528.2 ▼	470.9 ▼	553.8 ▼
DD1532*	301.8	306.8 ▲	316.2 ▲	290.5 ▼	180.6 ▼	290.5 ▼
Cold shock days ($\leq 11^{\circ}\text{C}$)	19	22 ▲	12 ▼	15 ▼	36 ▲	20.0 ▲
Days above 36°C	7	9 ▲	4 ▼	1 ▼	0 ▼	4.5 ▼
Nights above 25°C	0	0	0	0	0	0.0
Days above 40°C	0	0	1 ▲	0	0	0.6 ▲
Total rainfall (mm)	114.8	35.8 ▼	154.0 ▲	173.4 ▲	66.6 ▼	97.9 ▼
Total radiation (MJ/m^2)	1225.3	1341.6 ▲	1174.4 ▼	1219.8 ▼	1370.6 ▲	1163.6 ▼
Average temperature ($^{\circ}\text{C}$)	21.5	21.7 ▲	21.6 ▲	20.9 ▼	18.4 ▼	21.1 ▼

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Namoi Crop Check Summary

Area	Lower Namoi	Upper Namoi
Crop Stage	<ul style="list-style-type: none"> • Still planting – 12 nodes 	<ul style="list-style-type: none"> • 2 – 10 nodes
Irrigation	<ul style="list-style-type: none"> • First Irrigation underway 	<ul style="list-style-type: none"> • Some overhead irrigation • Starting some flood fields
Insects/Beneficial	<ul style="list-style-type: none"> • Seedling mites in some fields despite heavy thrip pressure • Low levels of insect activity in conventional cotton • Adult mirids around 	<ul style="list-style-type: none"> • Thrips, wireworm, mirids • Thrips were heavy during early seedling stage • Few adult mirids around • Beneficial numbers increasing
Weeds	<ul style="list-style-type: none"> • Finding more glyphosate resistant grasses • Most 1 OTT gly 	<ul style="list-style-type: none"> • Weeds present
Disease	<ul style="list-style-type: none"> • Widespread seedling disease (BRR, Rhizoc, and Alternaria) 	<ul style="list-style-type: none"> • Seedling diseases present, BRR particularly bad • Alternaria
Comments	<ul style="list-style-type: none"> • Establishment has been slow and difficult with the cold start and heavy thrip pressure • Fields planted later were much more vigorous • Some fields required replanting due to storm rain at emergence • Wee Waa B3F748 first position squares 6th node 	<ul style="list-style-type: none"> • Seeing first position squares in B3F714 and 746 on nodes 7-10 • SLW and mirids present in other hosts (sunflowers)