



Macquarie crop check

CROP CHECK 4.0 15TH - 31ST OF DECEMBER 2018

THE COTTONINFO CROP CHECK

Forbes (Source Cottassist)

Table of Day Degree Details for Forbes (Muddy Water) (65039)

Day Degree Accumulations for the period 15 October to 31 December in the years 1957 to 2018.

Note: Hot Days have Max Temp $\geq 36^{\circ}$. Cold Shock Days have Min Temp $\leq 11^{\circ}$ and are shown with *.

Date	2018	2017	2016	2015	2014	2013	Hi 2009	Lo 1999	Average
Hot Days	13.0	10.0	13.0	12.0	15.0	12.0	23.0	1.0	7.9
Cold Shock	21.0	21.0	36.0	14.0	26.0	40.0	14.0	38.0	26.8
31-Dec	860.5	822.5	771.0	857.8	878.5	781.5	951.5	605.5	755.8

Dunedoo (source Cottassist)

Table of Day Degree Details for Dunedoo Post Office (64009)

Day Degree Accumulations for the period 15 October to 31 December in the years 1957 to 2018.

Note: Hot Days have Max Temp $\geq 36^{\circ}$. Cold Shock Days have Min Temp $\leq 11^{\circ}$ and are shown with *.

Date	2018	2017	2016	2015	2014	2013	Hi 2014	Lo 1999	Average
Hot Days	13.0	12.0	12.0	9.0	16.0	10.0	16.0	0.0	6.5
Cold Shock	10.0	11.0	25.0	3.0	16.0	28.0	16.0	31.0	24.0
31-Dec	873.6	843.9	799.6	828.0	910.6	818.6	910.6	604.1	737.7

Dubbo (source Cottassist)

Table of Day Degree Details for Dubbo (Darling Street) (65012)

Day Degree Accumulations for the period 15 October to 31 December in the years 1957 to 2018.

Note: Hot Days have Max Temp $\geq 36^{\circ}$. Cold Shock Days have Min Temp $\leq 11^{\circ}$ and are shown with *.

Date	2018	2017	2016	2015	2014	2013	Hi 1997	Lo 1999	Average
Hot Days	10.0	11.0	11.0	10.0	15.0	12.0	14.0	0.0	6.7
Cold Shock	12.0	16.0	31.0	5.0	17.0	30.0	13.0	33.0	19.5
31-Dec	864.3	849.3	794.3	857.0	921.8	822.3	958.5	620.1	768.6

Narromine (source Cottassist)

Table of Day Degree Details for Narromine Airport (51115) Day Degree Accumulations for the period 15 October to 31 December in the years 1957 to 2018. Note: Hot Days have Max Temp $\geq 36^{\circ}$. Cold Shock Days have Min Temp $\leq 11^{\circ}$ and are shown with *.									
Date	2018	2017	2016	2015	2014	2013	Hi 2009	Lo 1999	Average
Hot Days	13.0	13.0	16.0	12.0	19.0	13.0	23.0	1.0	8.4
Cold Shock	11.0	14.0	28.0	4.0	13.0	27.0	9.0	25.0	18.7
31-Dec	919.3	895.3	828.8	908.0	964.8	859.0	988.0	645.0	798.3

Trangie (Source Cottassist)

Table of Day Degree Details for Trangie Research Station Aws (51049) Day Degree Accumulations for the period 15 October to 31 December in the years 1957 to 2018. Note: Hot Days have Max Temp $\geq 36^{\circ}$. Cold Shock Days have Min Temp $\leq 11^{\circ}$ and are shown with *.									
Date	2018	2017	2016	2015	2014	2013	Hi 2009	Lo 1969	Average
Hot Days	14.0	13.0	15.0	15.0	21.0	14.0	23.0	3.0	9.7
Cold Shock	6.0	10.0	23.0	4.0	13.0	19.0	7.0	29.0	17.8
31-Dec	957.4	925.0	852.4	940.2	1,000.2	890.3	1,018.1	665.6 *	823.5

Upper Macquaire and Lachlan (Forbes , Dubbo , Narromine)

CROP STAGE:

16 Nodes & flowering well.

15/18 Nodes

IRRIGATION:

3rd Irrigation bring in the next one around the 9th of Jan

3rd in crop irrigation happening now

4th Irrigation will start on the 6th of Jan.

Laterals moves going every 3-4 days.

Water running the last of the Nitrogen in the next irrigation.

INSECT PESTS / BENEFICALS:

Still some small egg lays happening

Mirid pressure is building steadily

Targeted Mirid sprays prior to Christmas in some fields

Still plenty of Beneficial's ; Lady Beetles, Damsel Bugs, Spiders,

Seeing green and brown Mirid building in numbers

RETENTION:

Forbes/Condo: 94-100%

Warren/Trangie: Excellent in general top 5 96% total 94%

WEEDS:

No problems

Bad fleabane and windmill grass escaping through Round Up Ready sprays

2 Round up sprays targeting Barnyard grass, heliotrope and Bathurst burrs in the odd field.

DISEASE / ENVIRONMENTAL:

Heat wave causing some stress in areas. Losing the odd lower square.

WHAT THE AGROS ARE SAYING:

“Some of the strong early crops are starting to become leggy. Looking at a low variable rate of Pix over the excessive growth areas. The early crops started flowering just before Christmas. Crops look good now with no drift damage yet.”

Macquarie (Gin Gin to north of Warren)

Nevertire (Source: Cottassist)

Table of Day Degree Details for Warren (Auscott) (51124)									
Day Degree Accumulations for the period 15 October to 31 December in the years 1957 to 2018.									
Note: Hot Days have Max Temp $\geq 36^{\circ}$. Cold Shock Days have Min Temp $\leq 11^{\circ}$ and are shown with *.									
Date	2018	2017	2016	2015	2014	2013	Hi 2009	Lo 1999	Average
Hot Days	14.0	16.0	20.0	16.0	21.0	17.0	28.0	3.0	11.7
Cold Shock	6.0	9.0	23.0	0.0	12.0	18.0	7.0	20.0	16.0
31-Dec	984.0	951.0	884.8	972.3	1,023.0	911.0	1,037.3	694.0	856.3

Warren (source: Cottassist)

Table of Day Degree Details for Warren (Mumblebone) (51034)									
Day Degree Accumulations for the period 15 October to 31 December in the years 1957 to 2018.									
Note: Hot Days have Max Temp $\geq 36^{\circ}$. Cold Shock Days have Min Temp $\leq 11^{\circ}$ and are shown with *.									
Date	2018	2017	2016	2015	2014	2013	Hi 1997	Lo 1999	Average
Hot Days	16.0	18.0	22.0	19.0	22.0	18.0	24.0	3.0	12.9
Cold Shock	4.0	9.0	23.0	0.0	8.0	13.0	11.0	18.0	13.5
31-Dec	1,007.8	974.0	913.0	1,000.3	1,045.0	934.3	1,053.5	715.0	884.1

CROP STAGE :

21Nodes 8 NAWF (nodes above white flower) down from 10 NAWF ten days ago, setting lower node bolls

RETENTION:

Nevertire: Total 95%, 1st position better than 95% , huge fruit load

Top 5 retention %100

RAINFALL/IRRGATION:

6TH of Jan will be the 4th Irrigation.

Some effective rainfall has fallen in patches.

INSECT PESTS / BENIFICALS:

Very low green Mirid pressure, some activity lower in the canopy,

No mites, no SLW, heaps of beneficial across most fields.

Mirid sprays this week, Heli eggs 20-50/m in places (no concern), seeing heaps of Beneficial's

WEEDS:

All fields generally clean

DISEASE / ENVIRONMENTAL:

Beep en Hot.....

Hot days but nights not to bad.

Please note, that all agronomic decisions should be based around your crop and the pests found in it. It is a snapshot in time and not representative of the whole valley. Updates were received from 4 agronomists/consultants across the upper and lower Macquarie to pull this Bug/Crop Check together