



CROP CHECK 2018/2019

DATE: Week ending the 16 NOV

DAY DEGREE UPDATE

I am using the industry standard of 1st of October for planting date for all the sites.

Table of Day Degree Details for Condobolin Soil Conservation (50102)

Day Degree Accumulations for the period 1 September to 16 November 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 2008	Lo 1974	Average
Hot Days	3.0	1.0	0.0	3.0	8.0	4.0	2.0	1.0	1.3
Cold Shock	41.0	49.0	60.0	35.0	53.0	60.0	45.0	51.0	50.4
16-Nov	593.5	571.8	388.3 *	632.0	636.0	568.8 *	636.3	369.4	494.3

Condobolin (source cottassist)

Table of Day Degree Details for Forbes (Camp Street) (65016)

Day Degree Accumulations for the period 1 October to 16 November 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 2015	Lo 1966	Average
Hot Days	2.0	0.0	0.0	0.0	6.0	1.0	0.0	0.0	0.9
Cold Shock	26.0	29.0	38.0	17.0	31.0	38.0	17.0	31.0	29.2
16-Nov	400.8	363.0	273.0 *	443.3 *	424.3	348.5 *	443.3 *	228.7 *	333.0

Forbes (source cottassist)

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

Day Degree Accumulations for the period 1 October to 16 November 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 2015	Lo 1964	Average
Hot Days	0.0	0.0	0.0	0.0	7.0	1.0	0.0	0.0	0.7
Cold Shock	14.0	18.0	35.0	7.0	26.0	31.0	7.0	34.0	23.6
16-Nov	405.8	372.8	285.3 *	460.5 *	459.8	382.3	460.5 *	253.8	346.5

Dubbo (source cottassist)

Table of Day Degree Details for Narromine Airport (51115)

Day Degree Accumulations for the period 1 September to 16 November 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 1978	Average
Hot Days	2.0	1.0	0.0	1.0	8.0	1.0	8.0	0.0	1.0
Cold Shock	40.0	43.0	57.0	35.0	49.0	57.0	49.0	48.0	48.9
16-Nov	604.3	583.3	404.5 *	631.8	642.8	590.8	642.8	371.0	496.6

Narromine (source cottassist)

11-17th November



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Table of Day Degree Details for Trangie Research Station Aws (51049)

Day Degree Accumulations for the period 1 October to 16 November 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 2015	Lo 1976	Average
Hot Days	2.0	0.0	0.0	4.0	8.0	2.0	4.0	0.0	1.2
Cold Shock	9.0	13.0	28.0	6.0	21.0	24.0	6.0	30.0	21.9
16-Nov	454.4	409.4	312.8 *	513.0	505.4	421.3	513.0	269.2 *	374.2

Trangie (source cottassist)

Table of Day Degree Details for Warren (Auscott) (51124)

Day Degree Accumulations for the period 1 October to 16 November in the years 1957 to 2018.

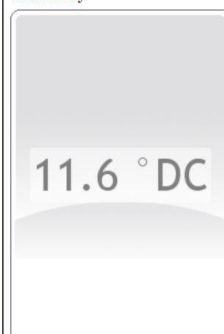
Note: Hot Days have Max Temp $\geq 36^\circ$. Cold Shock Days have Min Temp $\leq 11^\circ$ and are shown with *.

Date	2018	2017	2016	2015	2014	2013	Hi 2015	Lo 1964	Average
Hot Days	2.0	0.0	0.0	5.0	8.0	4.0	5.0	0.0	1.6
Cold Shock	10.0	14.0	30.0	3.0	20.0	24.0	3.0	31.0	21.2
16-Nov	470.3	424.0	329.8 *	528.5	515.8	432.3	528.5	292.0	392.1

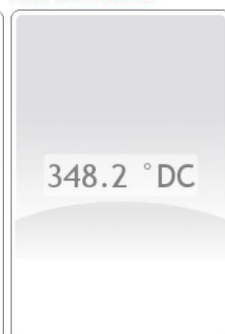
Warren (source cottassist)

Growing Degree Days

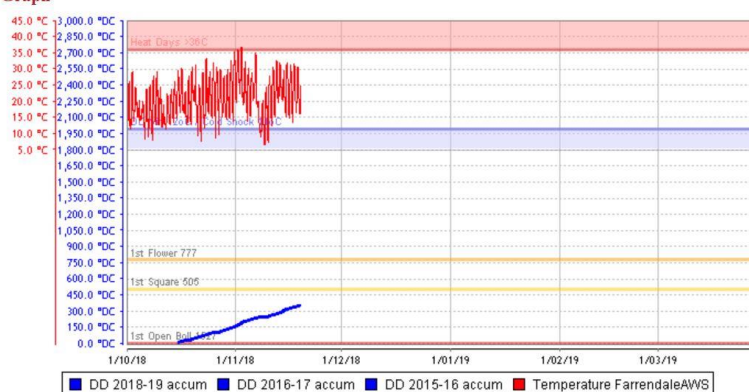
Yesterday



Since 15th October



Graph



“Farrendale” Narromine (15th of Oct planting date) (source www.porosity.com.au)



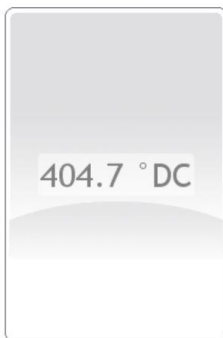
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Growing Degree Days

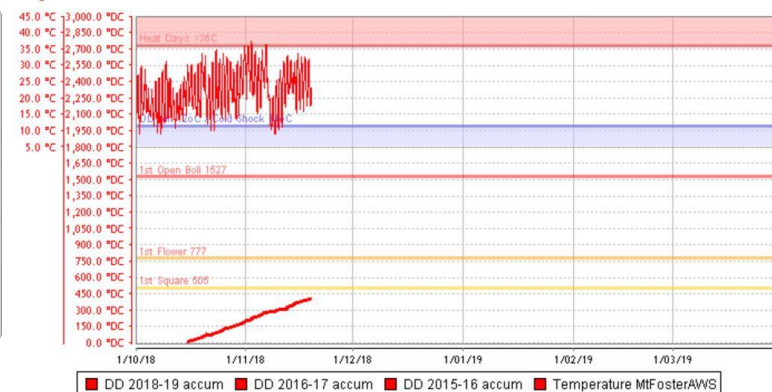
Yesterday



Since 15th October



Graph



“Mt Foster” Warren (15th Oct planting date (source www.porosity.com.au)

Upper Lachlan (Condo , Forbes)

CROP STAGE: 2 leaf – 7 leaf , some replant areas.

INSECT PESTS / BENEFICALS: As cereals turn the Thrip pressure is increasing. Growing terminal starting to be affected. Spraying some fields that did not have thimet at planting.

DISEASE / ENVIRONMENTAL: Alternaria showing up predominately in the back to back fields. With rain predicted this week may use a fungicide to protect the younger leaves. Rhizoc and BRR also present.

Upper Macquarie (Dunnedoo, Dubbo , Narromine)

CROP STAGE: 4 leaf – 8 leaf , 4-5 leaf in some regions. some replant areas

INSECT PESTS / BENEFICALS: Thrip pressure is building in some fields especially near wheat , beneficial numbers building.

WEEDS: Problems controlling volunteer canola in Cotton, finding some varieties are contaminated with roundup ready seed even though not stated on the bag.

DISEASE / ENVIRONMENTAL: Not much disease of note. Some plants showing symptoms of the hot/windy/cold conditions with bronzing of the leaves and mottling of cotyledons (pic 1), however new growth looks unaffected (pic 2 and pic3). No action was necessary. Some cotton showing residual herbicide issues due to lack of moisture affecting plant backs.

Lower Macquarie (Gin Gin to north of Warren)

CROP STAGE : 4 leaf – 8 leaf , some replant areas

INSECT PESTS / BENEFICALS: More beneficial (lady beetles, R&B Beetles) than we have seen in some years, in most cases the seed dressing is wearing off and some Thrip numbers starting to build. Fresh and consistent Helicoverpa egg lays (ranging from 5-15p/m).

WEEDS: In B2B fields volunteer cotton needing to be controlled by cultivation.

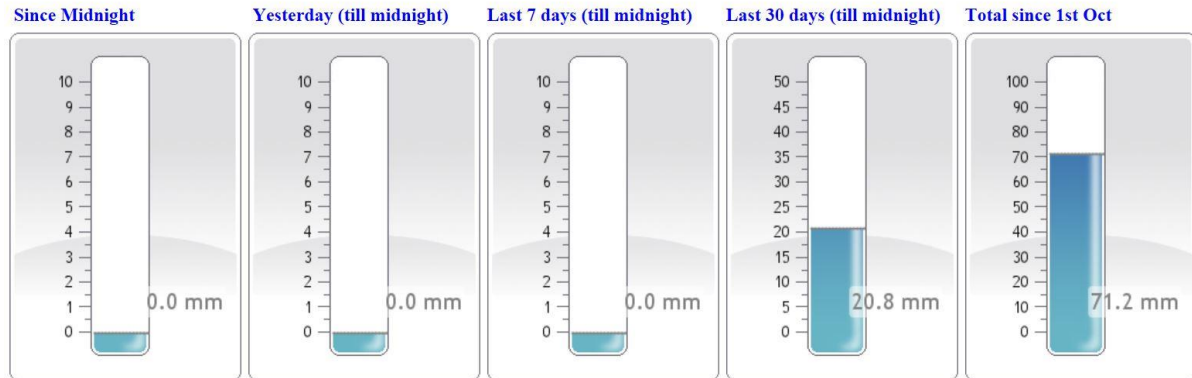
DISEASE / ENVIRONMENTAL: High levels of Rhizoc this season, however severity is not too bad, the Black Root Rot incidence is down on previous years, however it is still ever present especially in the back to back fields.



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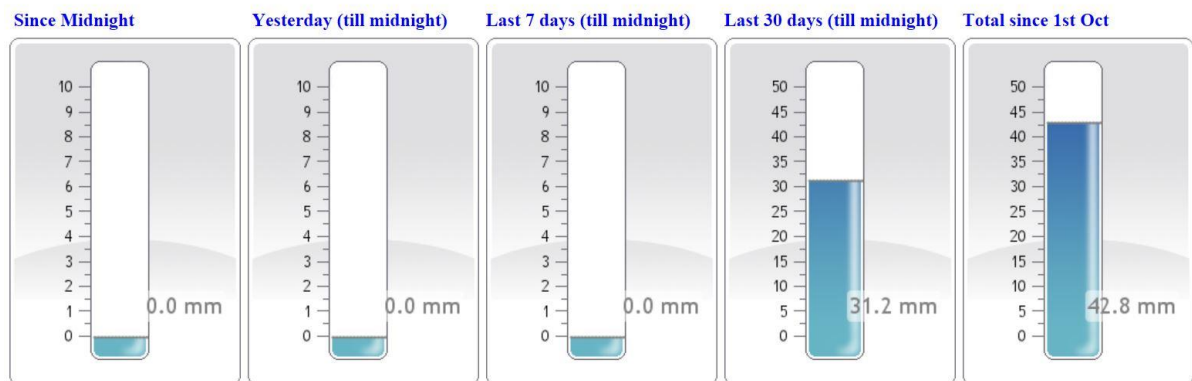
Rainfall has been isolated and patchy as its predominance has fallen in storms, we did have 1 day of steady rain that resulted in 15-20mm across the region.

Rainfall



“Farrendale” 32Km WSW of Narromine (source www.porosity.com.au)

Rainfall



“Mt Foster” 56km NNW of Warren (source www.porosity.com.au)



Pic 1. Mottling of cotyledons conditions



Pic 2. Bronzing of the true leaves due to environmental conditions



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Pic 3. New leaves unaffected (source Amanda Thomas)

In general we are off to a good start for the 2018/2019 season. The projected plantings are around 170000 – 19000 ha. While there has been some replant in some areas

Thanks for **all contributors** to the inaugural CROP CHECK this is a service CottonInfo will be providing weekly (when possible) this season to keep Agros, growers, resellers and researchers updated. We also share this information with the research community. If you would like to access the MCGA weather stations at Mt Foster and Farrendale please go to www.porosity.com.au and put in user name mcga and ctstrial as your password. These stations are paid for by the MCGA and are free to use. Call Amanda Thomas if you have trouble login in.