



# COTTON TALES

Central Queensland

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2009/10

No.04

13/11/09

## Day Degree accumulation to the 12 Nov 09

District		Season 09/10	Season 08/09	Hot Shock	Cold Shock
Emerald	From 22/09/09	622	614	8	5
Emerald	From 2/11/09	146	157	2	0
Theodore	From 22/09/09	586	571	6	11
Theodore	From 2/11/09	139	154	3	0

## Crop Stages versus Day Degree Accumulation.

Emerg.	5th leaf	1st Sq	1st Flow	Peak Flow	Cracked Boll	60% open
80	330	505	777	1302	1527	2050

## Crop Development Tools

The Crop Development Tools can be found at [www.cottassist.cottoncrc.org.au](http://www.cottassist.cottoncrc.org.au). Other tools on this site include Aphid Yield Loss Estimator, Day Degree Calculator and Nutrilogic.

If you are attempting to use any of the tools that are linked to day degrees you need to allow cookies from the SILO web site: In your internet explorer menu select: Tools – Internet Options – Privacy – Sites and in Address of Website type in “qld.gov.au” and select Allow.

Once you are registered and logged on, the site is able to store farm and crop details such the nearest weather station and sowing date of each crop. This information allows day degrees to be calculated for each crop. Plant mapping observations such as height, nodes, retention can be entered in the crop observation section after they are conducted and an analysis run to generate a number of useful crop development graphs, and interpretations.

## Glyphosate resistant weeds confirmed in QLD

Glyphosate resistant barnyard grass has been confirmed on two farms in southern Queensland as well as several in northern New South Wales. These barnyard grass populations were found in zero tilled paddocks that had a long history of glyphosate use for summer fallow weed control.

Glyphosate resistance will lead to an increase in weed control costs and reduced crop yields. In Northern NSW, glyphosate resistant barnyard grass weeds can reduce sorghum yields by 25-40 per cent and are costing about \$100/ha more to control.

Before the crop closes over, take the opportunity to look for survivors from OTT Roundup Sprays. These weeds should be tested for resistance. Cultivate to ensure weed survivors do not set seed.

A fact sheet 'Testing for glyphosate resistance' is now available at [www.dpi.qld.gov.au](http://www.dpi.qld.gov.au)

## Would you like to know more about your risk of glyphosate resistant weeds becoming a problem?

A risk assessment calculator and workshops will be available soon. To register your interest please contact Susan Maas 07 49837403 or [susan.maas@deedi.qld.gov.au](mailto:susan.maas@deedi.qld.gov.au)

## Help reduce phenoxy herbicide drift - map your fields at [www.cottonmap.com.au](http://www.cottonmap.com.au)

In collaboration with Cotton Australia, Cotton Research & Development Corporation (CRDC), Grains Research & Development Corporation (GRDC) & Nufarm Australia Ltd, the Australian Cotton Industry has developed a website [www.cottonmap.com.au](http://www.cottonmap.com.au) which has been designed to highlight the location of cotton fields. This service is provided free of charge with the purpose of minimising off-target damage from downwind pesticide application, particularly during fallow spraying.

Farmers, farm managers, resellers, consultants, agronomists, applicators and contractors are encouraged to input their cotton field(s). Users can also access the Cotton Map to check the location of the paddock(s) they may be planning to spray to assess the proximity of the nearest cotton crop.

The Cotton Map website will operate from 1 September to 30 April on an annual basis.

As there have already been reports of spray drift in CQ, we are encouraging everyone to map their fields by Friday 20th November. Please contact Susan Maas or Gordon Baker if you have problems using the site.

## [www.cottonmap.com.au](http://www.cottonmap.com.au) instructions

Step 1: Zoom in and find your farm on map

Step 2: Top right hand site – click on **get started**

Step 3: From menu on left - click on **Draw**

Step 4: Use mouse to click corners of field to mark out cotton areas.

Step 5: Fill in field details (optional)

Step 6: Click the submit button.

Step 7: Enter your details, with a valid email.

Step 8: Click the save button to upload your data to the server.

Fields won't be visible until approved.

**Takes ~1 minute per field once logged on**