



Queensland  
Government  
Department of  
Primary Industries  
and Fisheries

# COTTON TALES

## Border Rivers

Emma Carrigan Industry Development Officer RWUE3 – 46716714, 0408703783

2006/07

3.

24/11/06

### Food for Thought:

Product	Water Used
1 Bottle of Wine	250 Litres
1 Litre of Petrol	334 Litres
Synthetic Boxer Shorts	180 Litres
Cotton Boxer Shorts	240 Litres
1 Litre of Orange Juice	550 Litres
1 Litre of Milk	1000 Litres
1 Sunday Newspaper	1058 Litres
1 Kg Rice	1600 Litres
1 Pair of Leather Shoes	8000 Litres

Compiled by Sarah Hood, 2006.

### NSW WUE Incentive Scheme



*EXPRESSIONS OF INTEREST* are

needed from all interested NSW Border River growers to secure funds for infield evaluations before - **Dec 1<sup>st</sup> 2006**.

The Border Rivers - Gwydir Catchment Management Authority (BR-G CMA) has incentive funding to put toward undertaking evaluations of irrigation systems as part of the National Action Plan for Salinity and Water Quality. The aim is to assist land managers to increase their water use efficiency.

Registrations of Interest (ROI) are required from landholders interested in receiving some funds towards infield evaluation/s undertaken on their property to register your interest.

Could landholders please fill out the ROI and fax **(02) 6721 9898** before **Dec 1<sup>st</sup> 2006**. For further information please contact Nicole Gammie *Catchment Officer – Salinity* or Emma Carrigan 07 46716714.

### Timing of First Irrigation & Limited Water Scenarios - *Have you checked out HydroLOGIC.*

Hydrologic is a software tool designed to help growers and consultants manage furrow irrigation in cotton. Hydrologic can help you to evaluate the consequences of different irrigation strategies on yield and water use, using a range of simple plant and soil moisture measurements.

What can Hydrologic do? Further investigation of the following two options available in HydroLOGIC may be worth checking out.....

- Scheduling the next irrigation....

HydroLOGIC can be used to predict the date when a field will next need irrigating.

- Conduct Scenario Analyses - two types of irrigation issues can be explored

**Timing of Irrigations** – Investigate the effect of changing first and last irrigation dates, and the impact of stretching irrigation deficits.

You can run “What if” scenarios and compare them on predicted Yield and WU results, for example;

#### What if

- I delay irrigating this field in an attempt to save water OR
- I irrigate at a lower deficit and more frequently

**Amount of Water** – Investigate the effect on yield and WUE with different water availability (allocation and irrigation efficiency). An example

#### What if

- I receive and apply an extra 2ML/ha.

#### Need to know more:

- o To update to the latest HydroLOGIC version please go to:  
[http://www.cotton.pi.csiro.au/CottonLOGIC/HTML/hl\\_about.shtml](http://www.cotton.pi.csiro.au/CottonLOGIC/HTML/hl_about.shtml)
- o Check out the “HOW TO SCHEDULE FIRST IRRIGATION” located in the HydroLOGIC manual.
- o Trouble shooting HydroLOGIC ring me on 07 46716714 or register your interest immediately for a *possible* workshop with Dirk Richards CSIRO early next week.

*(The workshop will be numbers dependent a minimum of 5 people required).*

### MVCGA General Meeting

Thursday, 7<sup>th</sup> December 2006.  
5pm @ The Royal Hotel

To be followed by Christmas Drinks and Dinner.

(Committee Members Meeting to start @ 3:45pm)