



# Final Report

Capacity & Community | Cotton Research & Development Corporation

## *Part 1 - Summary Details*

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**CRDC Project Number:** DAN 191

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**Project Title:** Operational costs for cotton experiments

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**Project Commencement Date:** 1/07/06      **Project Completion Date:** 30/06/07

**Research Program:** Farming Systems

## *Part 2 – Contact Details*

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**Signature of Research Provider Representative:** \_\_\_\_\_



## ***Part 3 – Final Report Guide (due 31 October 2006)***

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### ***Background***

The CRDC has provided funding to offset the operational costs of growing experimental cotton at ACRI. The project was funded for one year subject to CRDC ongoing funding priorities. This funding enabled 55Ha of experimental cotton to be grown at ACRI on behalf of NSW Department of Primary Industries researchers.

### ***Objectives***

The objective of this project is to support experimental cotton trials at ACRI. Cotton was successfully grown at ACRI during this year under a broad array of experimental criteria. The growing of cotton in this context is intended to meet the needs for cotton experimentation in agronomy, entomology, farming systems and pathology.

### ***Methods***

Conventional cotton growing practices are applied and adapted to suit an array of experimental requirements.

### ***Results***

The objective of growing cotton under a broad range of experimental criteria has been achieved. Ongoing maintenance of the resource base, through land levelling and rotation, is occurring at ACRI. This enhances the potential for operational funds for cotton experimentation to achieve their intended outcomes. Projects supported were:

- Graham Charles: CRC 126: Validation of the critical period for weed control concept for the timing of herbicide applications in Roundup Ready Flex and other Herbicide tolerant cottons (15 Ha)
- Dr Robert Mensah: DAN 179C: IPM in Bollgard cotton - New tools and strategies: A farming systems approach (20Ha).
- Nilantha Hulugalle CRC 86: Maintaining profitability and soil quality in cotton farming systems II (14 Ha)
- Dr David Nehl Dan 177C: Diseases of Cotton VIII (6Ha).

### ***Conclusion***

The management of cotton growing for cotton trial experimentation is dependent on the aims of the specific trial. Cotton growing at ACRI is undertaken to industry standards with the intention of maintaining the long-term productive capacity of the land.



## ***Part 4 – Final Report Executive Summary***

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The CRDC project funds for “Operational Costs for Cotton Experiments” are used to fund cotton experimental trials at the Australian Cotton Research Institute (ACRI). The management of cotton growing for experimental trial cotton is dependent on the aims of the specific trial. However cotton growing at ACRI is undertaken to industry standards with the intention of maintaining the long-term productive capacity of the land. ACRI has BMP certification through Cotton Australia. Last season 55Ha of cotton was grown at ACRI on behalf of NSW Department of Primary Industries researchers. Growing cotton in trials is intended to meet the needs for cotton experimentation in agronomy, entomology, farming systems and pathology.

For further information contact Tony Meppem, Institute Manager: Ph 6799 1508.