



## SCIENTIFIC EXCHANGE Final Report

### *Part 1 - Summary Details*

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Cotton Catchment Communities CRC Project Number:

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Project Title: **Attending the WCRC**

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Project Commencement Date: 7/11/11

Project Completion Date: 14/11/11

Research Program:

### *Part 2 – Contact Details*

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Administrator: Linda Levitt

Organisation: CSIRO

Postal Address: CSIRO Ecosystem Sciences GPO Box 1700, Canberra, ACT, 2601

Ph: 02 6246 4030

Fx:

E-mail: Linda.Leavitt@csiro.au

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Principal Researcher: Thomas Walsh

Organisation: CSIRO

Postal Address: CSIRO Ecosystem Sciences GPO Box 1700, Canberra, ACT, 2601

Ph: 02 6246 4083

Fx:

E-mail: tom.walsh@csiro.au

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Researcher 2:

Organisation:

Postal Address:

Ph:

Fx:

E-mail:

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Other Staff & Collaborators – Please list

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

### ***Part 3 - Travel Report***

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The points below are to be used as a guideline when completing your final report.

**1. What were the:**

**a) Major findings, outcomes and highlights.**

Attending the World Cotton Conference gave me an appreciation of the issues facing the industry around the world and provided an opportunity to meet and talk to top researchers.

**2. Detail the persons and institutions visited, giving full title, position details, location, duration of visit and purpose of visit to these people/places.**

Attending the WCRC enabled me to interact with both industry and academic researchers from a variety of fields related to cotton. Specifically I met Derek Russell of Melbourne University, Keshav Kranthi of the Central Institute for Cotton Research and Govind Gujar from the Division of Entomology, Indian Agricultural Research Institute. With Dr Kranthi and with advice from Drs Russell and Gujar we have put together an Australia-India Strategic Research Fund application to work together on Bt resistance in both countries.

**3. a) Are there any potential areas worth following up as a result of the travel?**

I am aiming to follow up on my meetings with the above scientists.

**b) Any relevance or possible impact on the Australian Cotton Industry?**

More knowledge of the mechanisms of resistance to Bt toxins will be of use in protecting the technology here in Australia

**4. How do you intend to share the knowledge you have gained with other people in the cotton industry?**

If we are successful in obtaining our grant then the results can be shared with the Australian industry through publications and presentations at appropriate meetings.

**5. Executive summary. Provide a one paragraph summary of the scientific exchange, suitable for posting on the Cotton CRC web site.**

In November of last year I attended the World Cotton Research Conference in Mumbai, India. This was an excellent opportunity to meet and interact with a variety of researchers from industry, government and academia. The meeting addressed almost every aspect of cotton research from developing high quality seed to processing the final product. I presented some of CSIRO's

research on Bt resistance monitoring and characterisation in a presentation entitled 'Adaptive management of resistance to Bt-cotton in Australian *Helicoverpa* spp'. The majority of the work was funded by the CRDC over a number of years and largely carried out by Drs Rod Mahon and Sharon Downes. As a newcomer to the cotton industry, this conference was an excellent opportunity to introduce myself and build relationships for future international collaborations.