



Australian Government
**Cotton Research and
Development Corporation**

ANNUAL REPORT May 2006

Part 1 - Summary Details

Please use your TAB key to complete Parts 1 & 2.

CRDC Project Number: **US75**

Project Title: Travel:I Kennedy & A Crossan-Pacificchem
2005 Symposium Honolulu (15/12/05/12/05)

Project Commencement Date: 15/12/05 **Project Completion Date:** 15/12/005
Research Program: 2 Integrated Natural Resource Management

Part 2 – Contact Details

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Signature of Research Provider Representative: _____

Part 3 – Annual Report

(Maximum four pages)

1. What were your major project objectives, milestones and performance indicators for the past year? (Please list these.)

The project provided travel funding to assist enable six Australian scientists who have undertaken extensive research on pesticides on behalf of the cotton industry to participate in the Pacifichem 2005 Symposium 225, *Rational Methods for the Selection and Use of Agrochemicals: Risk Modelling, Monitoring and Management*.

Funded participants were required to write a chapter on their presentation at the Symposium for a book with the same title in the ACS Symposium series, a highly respected medium providing a unique opportunity to make a permanent record of the success of the LWA/CRDC/MDBC program of the mid-1990s, in the context of modern advances regarding modelling of environmental fate, monitoring and practical remedies including the introduction of GM technology all acting to reduce the impact of pesticides from the cotton industry. The following were supported by the travel grant:

- Bruce Simpson, of the Department of Natural Resources (DNR), Queensland, who reported on his LWA/CRDC/MDBC program research and derivative work in this area and factors affecting acceptance of the benefits of research at Department of Natural Resources, Indooroopilly (\$1200)
- Dr Mike Silburn of DNR Queensland, reported on rain simulation research in the LWA/CRDC/MDBC program, regarding runoff and pesticide transport (\$1200)
- Dr Angus Crossan (CRDC/CRC Research Fellow) reported on the application of risk assessment to measure environmental benefits of research in the cotton industry, and evidence that these have been achieved; organising the Symposium (\$2950)
- Michael Rose (CRC PhD student), reported on the environmental benefits of on-farm wetlands (\$1000 subsistence)
- Professor Ivan R. Kennedy, CRC Project Director, successfully organised the Symposium and reporting on the role of monitoring in risk reduction (\$1950)
- Dr Alice Lee, former CRDC Scholar and now Lecturer in Food Science at the University of NSW (\$1200)

Total funding of \$9,500 was provided by CRDC and expended on this project.

2. Which of these were achieved ie results?

All the supported attended the Symposium and presented draft book chapters. A poster on Best Management Practice was presented on behalf of Rachel Holloway of CRDC. The input to the Symposium was supplemented by funding of \$5,000 from LWA for Mark Silburn and Bruce Simpson as well as the attendance of Dr N. Schofield, who presented a joint chapter with CRDC personnel entitled *Minimizing riverine impacts of endosulfan used in cotton farming: A science into practice environmental success story*.

Which were not achieved and why? Please provide detail of any problems you have had during the year and how you addressed them or plan to address these problems in the future.

No problems.

3. What are your specific project objectives, milestones and performance indicators for the coming year ie 2006/07? Have any of these changed from your original project submission?

Not applicable. However, publication of a book in the American Chemical Series is being considered by the ACS and it is intended to publish this in 2006-7 if approved by the ACS.

4. Have changes to Intellectual Property occurred in your project? If yes, please provide updated answers to “Question 5 – IP & Commercialisation” of your original project Application Form. (You may also submit a separate confidential report of information).

Not applicable

NOTE: CRDC expects to see you develop some form of a communication plan during the life of the project. This plan should identify the expected / known outputs from the project and how best to communicate them. The plan should be revised in every Annual Report and should provide some guidance on how to proceed once the project is completed.

6. To what extent have your research results to date been disseminated to:-

A. Industry?

In articles in the Cotton Grower and other industry or conference reports.

B. The scientific community?

By many previous publications mentioned above.

7. How do you intend to communicate the results or findings of your research to:-

A. Industry?

B. The scientific community?

By the book publication mentioned above.

8. Please briefly outline the major highlights in your research/work over the last eleven months?

Addendum added in late 2007.

ACS Publication 996 was published and distributed by Oxford University Press in August 2007.

Rational Environmental Management of Agrochemicals: Risk Assessment Monitoring and Remedial Action. Edited by Ivan R. Kennedy, Keith R. Solomon, Shirley J. Gee, Angus N. Crossan, Shuo Wang, and Francisco Sanmchez-Bayo; 415 pp., ACS Symposium Series 966, Oxford University Press 2007

This book provides strong evidence for the ‘public good’ value of research funded by the CRDC in environmental management.