



Australian Government  
Cotton Research and  
Development Corporation



**CRDC investments 2016-17**



# CRDC investments 2016-17

The Cotton Research and Development Corporation (CRDC) works with the Australian Government and Australian cotton growers to invest in research, development and extension (RD&E) for a more profitable, sustainable and dynamic cotton industry.

CRDC's purpose is to support the performance of the cotton industry: helping to increase both productivity and profitability of our growers. **In 2016-17, Australia's 1,250 cotton growers and the Australian Government will co-invest \$20.4 million through CRDC into approximately 200 RD&E projects.**

These projects all fall within one of five key priority areas identified in the CRDC 2013-18 Strategic R&D Plan:

- **Farmers:** Cotton is profitable and consistently farmers' crop of choice.
- **Industry:** The Australian cotton industry is the global leader in sustainable agriculture.
- **Customers:** The Australian cotton industry captures the full value of its products.
- **People:** Capable and connected people driving the cotton industry.
- **Performance:** Measured performance of the Australian cotton industry and its RD&E drives continuous improvement.

This document provides a brief outline of the projects CRDC is investing in for 2016-17. For further information, please contact CRDC on 02 6792 4088 or visit our website: [www.crdc.com.au](http://www.crdc.com.au).

*Please note: information on the projects contained within is current as of May 2016 and may be subject to change.*

## Program 1: Farmers.

Program theme	Project title	Project code	Researcher	Organisation	Commenced:	Completed:
1. Successful crop protection	A predictive diagnostic test for black root rot in cotton soils	CRDC1624	Maria Manjarrez	Microbiology Laboratories Australia	Apr-16	Oct-16
	A productive diagnostic test for Verticillium		Karen Kirkby	NSW DPI	Jul-16	Jun-19
	Centre for Biopesticides & Semiochemicals: Development of new tools & strategies for IPM	DAN1404	Robert Mensah	NSW DPI	Jul-13	Jun-18
	Centre for Biopesticides & Semiochemicals: Novel insecticides and synergists from endemic and exotic flora	UWS1401	Robert Spooner-Hart	UWS	Oct-13	Jun-18
	Centre for Biopesticides & Semiochemicals: Semiochemical management for occasional pests of cotton and grains	UNE1404	Peter Gregg	UNE	Oct-13	Jun-18
	Commercial development and evaluation of a machine vision-based weed spot sprayer	NEC1402	Stephen Rees	NCEA	Jul-13	Jun-18
	Cotton industry disease survey		Linda Smith	QDAF	Jul-16	Jun-19
	Crop protection development specialist (CottonInfo technical specialist)	DAQ1502	Sharna Holman	QDAF	Jul-14	Jun-17
	Enhancing IPM in cotton systems	CSP1401	Lewis Wilson	CSIRO	Jul-13	Jun-18
	Establishing southern cotton IPM	DAN1501	Sandra McDougall	NSW DPI	Jul-14	Jun-17
	Management of Solenopsis mealybug in Bollgard cotton	DAQ1501	Richard Sequeira	QDAF	Jul-14	Jun-17
	Northern Australia Cotton Development & Coordination Leader	CSP1602	Steve Yeates	CSIRO	Oct-15	Jun-18
	PhD: Centre for Biopesticides & Semiochemicals: Electrophysiological and molecular identification of novel biopesticides	UWS1601	Michelle Mak	UWS	Jul-15	Jun-18
	PhD: Developing the weed control threshold	DAN1601	Graham Charles	NSW DPI	Nov-15	Jun-17
	PhD: Host plant relationships of green mirids - is alternative control possible?	UQ1402	Justin Cappadonna	UQ	Nov-13	Nov-16
	PhD: Multiple host use and gene-flow in green vegetable bug relative to cotton crop	UQ1403	Dean Brookes	UQ	Mar-13	Oct-16
	PhD: Quantifying and mapping the impacts of herbicide drift on cotton (non-target crop)	USQ1404	Luz Cadavid	USQ	Nov-13	Jun-17
	Post doc: Hard to control weeds in northern farming systems - understanding key processes to improve control methods	DAN1402	Joe Moore	NSW DPI	Jul-13	Jun-17

Program theme	Project title	Project code	Researcher	Organisation	Commenced:	Completed:
1. Successful crop protection (cont.)	Regional weed management workshops for growers and advisors	CRDC1621	John Cameron	ICAN	Mar-16	Jun-17
	Review of technologies that can be enabled by robotics to improve weed control in Australian cotton farming systems	CRDC1615	Andrew Bate	SwarmFarm Robotics	Oct-15	Jul-16
	Staying ahead of weed evolution in changing cotton systems	UQ1501	Jeff Werth and Bhagirath Chauhan	QAAFI	Jul-14	Jun-19
	Travel: Attending the 49th Annual Society for invertebrate Pathology Conference	QUT1604	Christopher Nouné	QUT	May-16	Jul-16
	Viruses, vectors and endosymbionts: Exploring interactions for control	UQ1305	Sharon van Brunschot	UQ	Apr-13	Jan-17
2. Productive resource efficiencies	Agronomy for resilient future cotton systems	CSP1601	Michael Bange	CSIRO	Jul-15	Jun-18
	Benchmarking water use efficiency and crop productivity in the Australian cotton industry (CottonInfo technical specialist)	DAN1505	Janelle Montgomery	NSW DPI	Jul-14	Jun-19
	Carbon farming in the Australian cotton industry - Grant support	CFEO1501	Rachel Bowman	Seed Media Pty Ltd	Oct-14	Jan-17
	Carbon farming in the Australian cotton industry (CottonInfo technical specialist)	CFEO1401	Jon Welsh	CSD	Jul-13	Jun-17
	Determining optimum nitrogen strategies for abatement of emissions for different irrigated cotton systems	AOTG1401	Graeme Schwenke	NSW DPI	Jul-13	Jun-17
	Improving cotton productivity with crop nutrition	CSP1403	Michael Bange	CSIRO	Jun-13	Sep-16
	Increasing profitability through improved nitrogen use efficiency and reducing gaseous losses of nitrogen	AOTG1601	Peter Grace	QUT	Jul-15	Jun-18
	Mitigating and managing soil compaction for improved sustainable cotton production		Michael Braunack	CSIRO	Jul-16	Jun-19
	Monitoring greenhouse gas emissions from irrigated cropping systems	CLW1401	Ben Macdonald	CSIRO	Jul-13	Jun-17
	More Profit from Nitrogen: enhancing the nutrient use efficiency of intensive cropping and pasture systems			UQ and NSW DPI	Jul-16	Jun-20
	New materials and options for reducing water losses from evaporation and seepage		Andrew Hamilton	NeoTop Water Systems	Jul-16	Jun-19
	Opportunities for dryland cotton with Bollgard 3		Paul Grundy	QDAF	Jul-16	Jun-19
	Optimising management of manure in southern NSW cotton production	DU1603	Wendy Quayle	CSIRO	Jul-15	Jun-18
	Optimising seedling emergence	DAN1701	Deb Slinger	NSW DPI	Jul-16	Jun-19
	PhD: Improving precision agriculture and environmental performance for the Australian cotton industry through fertiliser optimisation	ANU1602	James Latimer	ANU	Feb-16	Jun-19
	PhD: Self-guided drones for tracking irrigation in a cotton field	USQ1402	Derek Long	USQ	Mar-14	Mar-17
	PhD: Soil-specific strategic irrigation: identifying saline-sodic water as a resource	NEC1403	Aaditi Dang	NCEA	Mar-14	Jan-17
	PhD: The impact of irrigation methods and management strategies on nitrogen fertiliser recovery in cotton	UQ1502	John Smith	UQ	Jul-14	Dec-18
	PhD: Utilising novel plant growth regulators to develop resilient future cotton systems	CSP1604	Claire Welsh	CSIRO	Jan-16	Dec-18
	Post doc: Cotton production in a future climate	CSP1501	Katie Broughton	CSIRO	Jul-14	Jan-18
	Post doc: Professor of soil biology	UNE1403	Oliver Knox	UNE	Jan-14	Dec-18
	Resilient cotton-farming systems in irrigated vertosols: soil quality, carbon and nutrient losses, cotton growth & yield in long-term studies	DAN1503	Guna Nachimuthu	NSW DPI	Jul-14	Jun-17
	Smarter Irrigation for Profit: Develop precise and automated control systems for a range of irrigation systems	RRDP1603	Joseph Foley	NCEA	Jul-15	Apr-18

Program theme	Project title	Project code	Researcher	Organisation	Commenced:	Completed:
2. Productive resource efficiencies (cont.)	Smarter Irrigation for Profit: Evaluation of scheduling tools for the sugar industry	RRDP1609	Peter Samson	SRA	May-16	Apr-18
	Smarter Irrigation for Profit: Grower led irrigation system comparison in the Gwydir Valley	RRDP1606	Louise Gall	G VIA	Jul-15	Apr-18
	Smarter Irrigation for Profit: Increasing farm profit through efficient use of irrigation for dairy farms	RRDP1604	James Hills	UTAS	Jul-15	Apr-18
	Smarter Irrigation for Profit: Irrigation agronomy for tailored and responsive management with limited water	RRDP1602	Hizbullah Jamali	CSIRO	Jul-15	Jun-18
	Smarter Irrigation for Profit: Maximising on-farm irrigation profitability – southern connected systems	RRDP1605	Peter Regan	NSW DPI	Jul-15	Apr-18
	Smarter Irrigation for Profit: Optimised dairy irrigation farms	RRDP1607	Monique White	Dairy Australia	Jul-15	Apr-18
	Smarter Irrigation for Profit: Project leadership and coordination	RRDP1501	Guy Roth	Roth Rural	Jul-15	May-18
	Smarter Irrigation for Profit: when and how much	RRDP1601	Mike Morris	DEDJTR	Jul-15	Apr-18
	Soil System Research – physical, chemical and biological processes for plant growth and nutrient cycling down the whole soil profile	UNE1601	Oliver Knox	UNE	Jul-15	Jun-18
	Southern Connected Systems - Trial Picker	DAN1603	John Smith	NSW DPI	Apr-16	Jun-17
	Strengthening the Central Highlands Cotton Production System	DAQ1401	Paul Grundy	QDAF	Jul-13	Jun-17
3. Profitable futures	Agri-intelligence			QUT	Jul-15	Jun-19
	Future farm automation and robotics management	GRDC1601		USQ	Apr-15	Jun-18
	PhD: A National Regulatory Framework Governing Big Data in Primary Production	UNE1606	Gina Wood	UNE	Feb-16	Jan-19
	PhD: Characterisation of brassinosteroid effects and brassinosteroid -responsive genes in cotton for growth and stress tolerance enhancement	UNE1605	Anahid A Essa Al-Amery	UNE	May-14	Apr-17
	Precision to decision agriculture		Tristan Perez	QUT	Jul-16	Jun-19

## Program 2: Industry.

Program theme	Project title	Project code	Researcher	Organisation	Commenced:	Completed:
1. Respected stewardship	Biosecurity: understanding the potential for new threats				Jul-16	Jun-17
	Conventional insecticide resistance in Helicoverpa - monitoring, management and novel mitigation strategies in Bollgard III	DAN1506	Lisa Bird	NSW DPI	Jul-14	Jun-19
	Cotton Map		Nicola Cottee	CA	Jul-16	Jun-17
	Helicoverpa punctigera in inland Australia – what has changed?	UNE1502	Peter Gregg	UNE	Jul-14	Jun-17
	Investigating the on-farm risks of aflatoxin contamination of cottonseed	DAN1406	Kathy Schneebeli	NSW DPI	Jan-14	Dec-16
	Managing Bt resistance and induced tolerance in Bollgard III using refuge crops	CSE1601	Mary Whitehouse	CSIRO	Jul-15	Jun-18
	Monitoring Silverleaf Whitefly (SLW) insecticide resistance	DAQ1701	Jamie Hopkinson	QDAF	Jul-16	Jun-19
	NCEDD - Stewardship of biotechnologies and crop protection (CottonInfo technical specialist)	SC1601	Sally Ceeney	Consultant	Jul-15	Jun-18
	PhD: Evolution of viral diversity and virus ecology in the management of resistance to biopesticides	QUT1402	Chris Nouné	QUT	Jan-14	Jun-17
	Resistance research and monitoring to enhance stewardship of Bt cotton and management of Helicoverpa		Sharon Downes	CSIRO	Jul-16	Jun-19
	Surveillance and studies for endemic and exotic virus diseases of cotton	DAQ1601	Murray Sharman	QDAF	Jul-15	Jun-19

Program theme	Project title	Project code	Researcher	Organisation	Commenced:	Completed:
1. Respected stewardship (cont.)	The sustainable chemical control and resistance management of aphids, mites and mirids in Australian cotton: 2014-2019	DAN1507	Grant Herron	NSW DPI	Jul-14	Jun-19
2. Responsible landscape management	Baselining Lower Namoi groundwater and evaluating Pilliga CSG developments	UNSW1601	Bryce Kelly & Charlotte Iverach	UNSW	Jul-15	Jun-18
	Cotton Rivercare Champion	CRDC1602	Mark Palfreyman	Capricorn North Pty Ltd	Sep-15	Jun-18
	Developing the groundwater health index (GHI) as an industry-wide monitoring tool	MQ1501	Grant Hose	Macquarie University	Jul-14	Jun-17
	Improving the ability of the Australian cotton industry to report its sustainability performance		Erin Peterson	QUT	Jul-16	Jun-19
	Improving the ability of the Australian cotton industry to report its sustainability performance		Francois Visser	UQ	Jul-16	Jun-19
	Keeping pest populations lower for longer: Connecting farms and natural systems	CSE1501	Vesna Gagic	CSIRO	Jul-14	Jun-18
	Managing climate variability program	GRDC1401	Beverley Henry	GRDC	Jul-13	Jun-17
	Managing natural landscapes on Australian cotton farms to increase the provision of ecosystem services		Samantha Capon	Griffith University	Jul-16	Jun-19
	Managing riparian corridors on cotton farms for multiple benefits	UNE1602	Rhiannon Smith	UNE	Jul-15	Jun-18
	National cotton NRM technical specialist (CottonInfo technical specialist)	CRDC1501	Stacey Vogel	Stacey Vogel Consulting	Jul-14	Jun-17
	National facility for cotton climate change research	CSP1402	Michael Bange	CSIRO	Jul-13	Dec-16
	PhD: Effects of climatic fluctuation and landuse change on soil condition in the lower Lachlan	US1403	Patrick Filippi	USYD	Mar-14	Mar-17
	PhD: Spatial & temporal importance of diffuse & stream recharge in semiarid environments: Implications for integrated water management	UNSW1403	Calvin Li	UNSW	Mar-14	Feb-17
	PhD: Sustainable water extractions: Low flow refugia and critical flow thresholds	UNE1406	Marita Pearson	UNE	Jan-14	Dec-19
	The impact of improved water use efficiency on paddock and catchment health	DNRM1401	Mark Silburn	DNRM	Jul-13	Dec-16
3. Sustainable futures	Resilience assessment of the Australian cotton industry at multiple scales	CRDC1502	Francesca Andreoni	Bel Tempo	Jul-14	Dec-16

### Program 3: Customers.

Program theme	Project title	Project code	Researcher	Organisation	Commenced:	Completed:
1. Assured cotton	Determining the shelf life of round modules and impact on cotton quality	CMSE1501	Menghe Miao	CSIRO	Jul-14	Sep-16
	Enhancing and testing the Cotton Carbon Management Tool	UQ1503	Francois Visser	UQ	Jul-14	Jun-17
	Managing colour grade		Simone Heimona	CSIRO	Jul-16	Jun-19
	Raising the quality of Australian cotton through post harvest initiatives	CMSE1503	Rene van der Sluijs	CSIRO	Jul-14	Jun-17
	Sustainable Apparel Coalition: 2015 membership	CRDC1608	Scott Miller	SAC	Aug-15	Aug-16
	A review of emission methodologies for the Australian cotton industry & development of a detailed study for NW NSW	DAN1508	Pip Brock	NSW DPI	Jun-14	Sep-16
2. Differentiated products	An eco friendly treatment to improve the look and handle of cotton fabric		Rangam Rajkhowa	DeakinU	Jul-16	Jun-18
	Bio-degradation of dyed cotton fabrics		Nelson Vinueza			
	Breathable cotton for compression athletic wear	DU1601	Maryam Naebe	DeakinU	Jul-15	Jun-17
	Measuring and managing fibre elongation for the Australian cotton industry	CMSE1504	Shouren Yang	CSIRO	Jul-14	Dec-16
	Novel anti-wetting & self-sterilising cotton fabrics	DU1501	Xin Liu and Yun Zhou	DeakinU	Jul-14	Jun-17
	Novel spinning technologies for fine and high quality Australian cotton yarns	DU1502	Xungai Wang	DeakinU	Jul-14	Jun-17

Program theme	Project title	Project code	Researcher	Organisation	Commenced:	Completed:
2. Differentiated products (cont.)	PhD: Effects of cotton cellulose structure & interactions on dye uptake	CMSE1308	Genevieve Crowle	CSIRO	Jul-12	Dec-16
	PhD: High value bio-extractives and bioethanol from cotton gin trash	DAN1504	Shane McIntosh	NSW DPI	Jul-14	Aug-17
	PhD: Improving length, strength and fineness of cotton fibre	DU1401	Rangam Rajkhowa	DeakinU	Jan-13	Dec-16
	PhD: Low wax Australian cotton - reducing the scouring requirements of cotton fabric	CMSE1403	Katherine Birrer	CSIRO	Apr-14	Mar-17
	Smart cotton/carbon fabrics for electromagnetic interference shielding	DU1602	Jin Zhang	DeakinU	Jul-15	Jun-18
3. Competitive futures	Developing renewable fine chemicals from cotton biomass	SRA1601	William Doherty	QUT	Jul-15	Jun-18

## Program 4: People.

Program theme	Project title	Project code	Researcher	Organisation	Commenced:	Completed:
1. Workforce capacity	ABARES Science and Innovation Award sponsorship		Various	ABARES	Jul-16	Jun-17
	Aboriginal Employment Strategy student scholarships	CRDC1613	Natalie Tighe	AES Ltd	Dec-14	Nov-16
	Aboriginal Employment Strategy student scholarships - Montana Jones	AES1601	Montana Jones	Merced Farming	Feb-16	Dec-17
	Co-investment in PIEF Membership for the cotton industry	CA1503	Adam Kay	CA/PIEF	Jul-16	Jun-17
	Cotton industry leadership development: Australian Rural Leadership Program		Various	ARLF	Jul-16	Jun-17
	CRDC Summer and Honours Scholarships		Various	CRDC	Jul-16	Jun-17
	CRDC Summer and Honours Scholarships: Determining emission factors for cotton residue-induced N2O emissions using 15N isotope tracers	QUT1603	Stephen Leo	QUT	Feb-16	Nov-16
	CRDC Summer and Honours Scholarships: Efficacy of robotic methods for the detection and treatment of herbicide resistance cotton weeds	QUT1602	Simon Thomas	QUT	Feb-16	Nov-16
	CRDC Summer and Honours Scholarships: Identifying and testing commercial root endophytes in cotton	QUT1601	Nathaniel Crane	QUT	Feb-16	Nov-16
	Developing education capacity for the Australian cotton industry (CottonInfo technical specialist)	CSE1602	Trudy Staines	CSIRO	Jul-15	Jun-18
	Horizon Scholarships	RIRDC1602	Various	RIRDC	Apr-13	Jun-17
	Horizon Scholarships 2013 - Jessica Kirkpatrick	RIRDC1302	Jessica Kirkpatrick	RIRDC	Apr-13	Dec-16
	Horizon Scholarships 2013 - Paul Sanderson	RIRDC1304	Paul Sanderson	RIRDC	Apr-13	Dec-16
	Horizon Scholarships 2014 - Alana Martin	RIRDC1404	Alana Martin	RIRDC	Mar-14	Dec-17
	Horizon Scholarships 2014 - Felicity Taylor	RIRDC1401	Felicity Taylor	RIRDC	Mar-14	Dec-17
	Horizon Scholarships 2014 - Grace Scott	RIRDC1402	Grace Scott	RIRDC	Mar-14	Dec-17
	Horizon Scholarships 2014 - Michael Wellington	RIRDC1405	Michael Wellington	RIRDC	Mar-14	Dec-17
	Horizon Scholarships 2014 - Sam Johnston	RIRDC1403	Sam Johnston	RIRDC	Mar-14	Dec-17
	Horizon scholarships 2015 - Camilla a'Beckett	RIRDC1504	Camilla a'Beckett	RIRDC	Jul-15	Jun-17
	Horizon scholarships 2015 - Scott Nevison	RIRDC1503	Scott Nevison	RIRDC	Jul-15	Jun-17
	Nuffield Australia Farming Scholarships		Various	Nuffield Australia	Jul-16	Jun-17
	People in farming - employment starter kit (EKSi)	DA1502	Shane Hellwege	Dairy Australia	Jul-14	Jun-17
	Peter Cullen Trust scholarship		Various	Peter Cullen Trust	Jul-16	Jun-17
	PhD: Career motivational factors of cotton growers' (attraction and retention)	USQ1401	Geraldine Wunsch	USQ	Jul-13	Dec-16
	PhD: Investigating cotton farm workers' experiences of job satisfaction using social cognitive career theory	USQ1403	Nicole McDonald	USQ	Jan-14	Jan-17

Program theme	Project title	Project code	Researcher	Organisation	Commenced:	Completed:
1. Workforce capacity (cont.)	Scholarship: Explore Leadership Development Capacity	CRDC1614	Eric Perez	FRDC	Sep-15	Sep-16
	Skills profile and labour supply structure on cotton farms	UNE1402	Bernice Kotey	UNE	Jul-13	Aug-17
	UNE Cotton Production Course	UNE1604	Brendan Griffiths	UNE	Jul-15	Jun-18
2. Networks	18th Australian Cotton Conference foundation sponsorship	CA1601	Stuart Armitage	CA	Jul-15	Sep-16
	AgVet collaboration		Rohan Rainbow	RIRDC	Jul-16	Jun-17
	CCRSPi			RIRDC	Jul-16	Jun-17
	CottonInfo on-farm trials		Warwick Waters	CRDC	Jul-16	Jun-17
	CRDC Grassroots Grants		Various	CGAs	Jul-16	Jun-17
	CRDC Grassroots Grants: Binnia Valley in-field trials to address local barriers to cotton growing and exposure to the cotton industry	CGA1605	Jon Welsh	Upper Namoi CGA	Oct-15	Jan-17
	CRDC Grassroots Grants: Gwydir Valley dryland planting date row configuration trial	CGA1602	Ben Dawson	Gwydir Valley CGA	Jul-15	Dec-16
	CRDC Grassroots Grants: Upgrade to Darling Downs weather station network and chemical application days	CGA1606	Chris Barry	Darling Downs CGA	Jan-16	Sep-16
	Grower RD&E advisory panels - meeting travel, capacity building, Board Portal		Nicola Cottee	CA	Jul-16	Jun-17
	IREC field station upgrade (jointly funded with CSD)	IREC1501	Rob Houghton	IREC	Jul-14	Jun-17
	Plant Health Australia membership		TBA	PHA	Jul-16	Jun-17
	Plant Health Australia secretariat support		TBA	PHA	Jul-16	Jun-17
	Primary Industries Health and Safety Partnership	RIRDC1301	Simon Winter	RIRDC	Aug-12	Jun-17
	RIRDC Rural Womens Award sponsorship		Allanards Williams	RIRDC	Jul-16	Jun-17
	Soils cross-sectoral strategy & National Soil RD&E Implementation Committee membership	DAFF1401	Mike Grundy	CSIRO	Jun-14	Jun-17
	Travel: Attend International Congress of Entomology, Florida	CSP1603	Lewis Wilson & Simone Heimoana	CSIRO	Jan-14	Oct-16
	Travel: Attend International Congress of Entomology, Florida	DAN1602	Robert Mensah	NSW DPI	Dec-15	Oct-16
3. Communication	CRDC 25th Anniversary publication	CRDC1625	Robbie Sefton	Sefton & Associates	May-16	Jul-16
	CRDC Annual Report		Ruth Redfern	CRDC	Jul-16	Jun-17
	Documenting the production of best practice Australian cotton through videos		Paul Grundy	QDAF	Jul-16	Jun-18
	Stimulating private sector extension in Australian agriculture to increase returns from R&D	DA1601	Ruth Nettle	Dairy Australia	Jul-15	Jun-18

## Program 5: Performance.

Program theme	Project title	Project code	Researcher	Organisation	Commenced:	Completed:
1. Best practice	'Science into best practice,' linking research with CottonInfo (CottonInfo technical specialist)	CSP1504	Sandra Williams	CSIRO	Jul-14	Jun-17
2. Monitoring and evaluation	Annual Cotton Grower Practices Surveys: 2014, 2015 & 2016	RRR1501	Ingrid Roth	Roth Rural	Jul-14	May-17
	Annual qualitative and quantitative surveys for the Australian cotton industry	CCA1601	Liz Todd	CCA	Jul-15	Jun-18
	Boyce Cotton Comparative Analysis		Phil Alchin	BCA	Jul-16	Jun-17
	Longitudinal Evaluation - Australian Rural Leadership Foundation's programs	RIR1602	Matt Linnegar	ARLF	Jun-16	Jun-17
	Measuring and reporting the value of capacity building on farms and in research	CRDC1701	Gordon Stone	QualData	Jul-16	Jun-19
3. Reviews	Impact assessment of selected clusters of projects	CRDC1623	Peter Chudleigh	Agtrans Research & Consulting	May-16	Sep-16

## Key.

ABARES	Australian Bureau of Agricultural and Resource Economics and Sciences
AES Ltd	Aboriginal Employment Strategy Ltd
ANU	Australian National University
ARLF	Australian Rural Leadership Foundation
ARLP	Australian Rural Leadership Program
BCA	Boyce Chartered Accountants
CA	Cotton Australia
CA/PIEF	Cotton Australia/Primary Industries Education Foundation
CCA	Crop Consultants Australia
CGAs	Cotton Grower Associations
CRDC	Cotton Research and Development Corporation
CSD	Cotton Seed Distributors Ltd
CSIRO	Commonwealth Scientific and Industrial Research Organisation
DeakinU	Deakin University
DEDJTR	Victorian Department of Economic Development, Jobs, Transport, and Resources
DNRM	Queensland Department of Natural Resources and Mines
FRDC	Fisheries Research and Development Corporation
GRDC	Grains Research and Development Corporation
GVIA	Gwydir Valley Irrigators Association
ICAN	Independent Consultants Australia Network
IREC	Irrigation Research and Extension Committee
NCEA	National Centre for Engineering in Agriculture
NSW DPI	NSW Department of Primary Industries
PHA	Plant Health Australia
QAAFI	Queensland Alliance for Agricultural and Food Innovation
QDAF	Queensland Department of Agriculture and Fisheries
QUT	Queensland University of Technology
RIRDC	Rural Industries Research and Development Corporation
SAC	Sustainable Apparel Coalition
SRA	Sugar Research Australia
UNE	University of New England
UNSW	University of New South Wales
UQ	University of Queensland
USQ	University of Southern Queensland
USYD	University of Sydney
UTAS	University of Tasmania
UWS	University of Western Sydney