



Australian Government
Cotton Research and
Development Corporation



CRDC investments 2017-18

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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 2017-18, CRDC will invest \$22 million into approximately 200 RD&E projects on behalf of growers and the Government, in partnership with our research partners.**

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 2017-18. For further information, please contact CRDC on 02 6792 4088 or visit our website: www.crdc.com.au.

Please note: information on the projects contained within is current as of May 2017 and may be subject to change.

Program 1: Farmers.

Program theme	Project title	Project code	Researcher	Organisation	Commenced:	Completed:
1. Successful crop protection	Biology of <i>Amarathus hybridus</i> , <i>A. mitchelli</i> , and <i>A. powellii</i> : emerging weeds of cotton systems	UQ1703	Asad Khan	UQ	Jan-17	Dec-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	Mar-18
	Digital technology for dynamic management for disease, stress and yield	AGWA1701	Liz Waters	AGWA	Aug-16	Jun-19
	Enhancing IPM in cotton systems	CSP1401	Lewis Wilson	CSIRO	Jul-13	Jun-18
	Hard to control weeds in northern farming systems - understanding key processes to improve control methods (CottonInfo technical specialist)	DAN1402	Eric Koetz	NSW DPI	Jul-13	Jun-18
	Improving the management of cotton diseases in Australian cotton farming systems	RRDP1724	Linda Smith	QDAF	Jul-16	Jun-19
	Innovative solutions to cotton diseases	DAN1703		NSW DPI	Jul-16	Dec-19
	Major capital item: Autoclave for the ACRI cotton pathology laboratory	DAN1704	Rod Jackson	NSW DPI	Mar-17	Sep-17
	Managing verticillium risk for cotton	RRDP1723	Karen Kirkby	NSW DPI	Jul-16	Jun-19
	NEW: The use of area wide management, IPM, detergents and oils for the suppression of whitefly population in cotton for the reduced reliance and use of chemical controls		Emma Ayliffe	Elders	Jul-17	Jun-19
	NEW: Mirid and mealybug best practice management		Richard Sequeira	QDAF	Jul-17	Jun-20
	NEW: Novel transgenic approaches to control silverleaf whitefly		Gimme Walter	UQ	Jul-17	Jun-20
	Northern Australia cotton development & coordination leader	CSP1602	Steve Yeates	CSIRO	Oct-15	Jun-18
	PhD: Developing the weed control threshold	DAN1601	Graham Charles	NSW DPI	Nov-15	Jun-18

Program theme	Project title	Project code	Researcher	Organisation	Commenced:	Completed:
1. Successful crop protection (cont.)	PhD: Electrophysiological and molecular identification of novel biopesticides	UWS1601	Michelle Mak	UWS	Jul-15	Jun-18
	PhD: Understanding the ecology of Reniform Nematodes in cotton			UNE	Jan-17	Dec-20
	Regional weed management workshops for growers and advisors	CRDC1621	John Cameron	ICAN	Mar-16	Sep-17
	Staying ahead of weed evolution in changing cotton systems	UQ1501	Jeff Werth and Bhagirath Chauhan	QAAFI	Jul-14	Jun-19
	Viruses, vectors and endosymbionts: Exploring interactions for control	UQ1305	Jeff Werth	UQ	Apr-13	Aug-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		NSW DPI	Jul-14	Jun-19
	BestWeather climate consultancy	CRDC1736	Matt Davey	BestWeather	Mar-17	Mar-18
	Increasing profitability through improved nitrogen use efficiency and reducing gaseous losses of nitrogen	AOTG1601	Peter Grace	QUT	Jul-15	Jun-18
	More Profit from Nitrogen - Enhancing nutrient use efficiency in cotton	RRDP1712	Graeme Schwenke	NSW DPI	Jul-16	Jun-20
	More Profit from Nitrogen - Improved nitrogen use efficiency through accounting for deep soil and mineralisable nitrogen supply deployment of Enhanced Efficiency Fertilisers to better match crop N demand	RRDP1717	Lukas Van Zwieten	NSW DPI	Jul-16	Jun-19
	More Profit from Nitrogen - Improving dairy farm nitrogen efficiency using advanced technologies	RRDP1715	Helen Suter	UM	Jul-16	Jun-19
	More Profit from Nitrogen - Increasing nitrogen use efficiency in dairy pastures	RRDP1714	David Rowlings	QUT	Jul-16	Jun-19
	More Profit from Nitrogen - New technologies and managements: transforming nitrogen use efficiency in cane production	RRDP1719	Matt Redding	QDAF	Sep-16	Feb-21
	More Profit from Nitrogen - Optimising nitrogen and water interactions in cotton	RRDP1713	Alice Melland	NCEA	Jul-16	Jun-18
	More Profit from Nitrogen - Optimising nutrient management for improved productivity and fruit quality in cherries	RRDP1721	Nigel Swarts	UTAS	Aug-16	Apr-20
	More Profit from Nitrogen - Optimising nutrient management for improved productivity and fruit quality in mangoes	RRDP1720	Mila Bristow	NTDPIR	Aug-16	Jun-20
	More Profit from Nitrogen - PMA Meetings	RRDP1722	Allan Williams	CRDC	Jul-16	Jun-20
	More Profit from Nitrogen - Project Communications	RRDP1735	Allan Williams	CRDC	Jul-16	Apr-20
	More Profit from Nitrogen - Project Monitoring and Evaluation	RRDP1736			Jul-16	Apr-20
	More Profit from Nitrogen - Quantifying the whole farm systems impact of nitrogen best practice on dairy farms	RRDP1716	Richard Eckard	UM	Jul-16	Jul-20
	More Profit from Nitrogen - Science Leadership and Project Coordination	RRDP1711	Marguerite White	ICD Project Services	Nov-16	Jun-20
	More Profit from Nitrogen - Smart blended use of enhanced efficiency fertilisers to maximise sugarcane profitability	RRDP1718	Weijin Wang	DSITI	Jul-16	Apr-20
	More Profit from Nitrogen - YourData platform	RRDP1727	Jeff Coutts	Coutts J&R	Feb-17	Jun-21
	New materials and options for reducing water losses from evaporation and seepage	NEO1701	Andrew Hamilton	NeoTop Water Systems	Jul-16	Jun-18
	NEW: Improving water use efficiency in a changing climate		Katie Broughton	CSIRO	Jul-17	Jun-20
	NEW: Minimising yield variability to maximise yield in a cotton farming system		Guna Nachimuthu	NSW DPI	Jul-17	Jun-20
	NEW: Precision management for improved cotton quality		Robert Long	CSIRO	Jul-17	Jun-20

Program theme	Project title	Project code	Researcher	Organisation	Commenced:	Completed:
2. Productive resource efficiencies (cont.)	NEW: Where does the water go? Visualising irrigation efficiency by time-lapse water monitoring		John Triantafilis	UNSW	Jul-17	Jun-20
	Opportunities for dryland cotton with Bollgard 3	DAQ1703	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: Next-generation fertilisers for nutrient stewardship in cotton production	UQ1702	Rhys Pirie	UQ	Jan-17	Jan-20
	PhD: The impact of irrigation methods and management strategies on nitrogen fertiliser recovery in cotton in southern NSW (CottonInfo technical specialist)	UQ1502	John Smith	UQ	Jul-14	Dec-20
	PhD: Utilising novel plant growth regulators to develop resilient future cotton systems	CSP1604	Claire Welsh	CSIRO	Jan-16	Mar-19
	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
	Season benchmarking with canopy temperature sensors	CSD1701	Amanda Thomas	CottonInfo	Dec-16	Dec-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
	Smarter Irrigation for Profit: Educating growers in innovative on-farm water management and scheduling practices	RRDP1734	Andres Jaramillo	SRA	Jun-17	Apr-18
	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: Grower-led cotton automation integration trial	RRDP1730	Louise Gall	G VIA	Jan-17	Nov-18
	Smarter Irrigation for Profit: Improved use of seasonal forecasting to increase farmer profitability	RIRDC1603		RIRDC	Jul-15	Jun-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: Integrated irrigation, dairy	RRDP1732	Monique White	Dairy Australia	Mar-17	Mar-18
	Smarter Irrigation for Profit: Irrigation agronomy for tailored and responsive management with limited water	RRDP1602	Hizbullah Jamali	CSIRO	Jul-15	Apr-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: NCEA technical support for technology integration & scheduling projects	RRDP1731	Joseph Foley	USQ	Mar-17	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: Scheduling technology matrix	RRDP1733	Monique White	ICD Project Services	Mar-17	Dec-17
	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	Jan-19	
3. Profitable futures	Agri-intelligence in cotton production systems: stage 1	QUT1701	Tristan Perez	QUT	Jan-17	Dec-18
	PhD: A national regulatory framework governing big data in primary production	UNE1606	Gina Wood	UNE	Feb-16	Feb-19

Program theme	Project title	Project code	Researcher	Organisation	Commenced:	Completed:
3. Profitable futures (cont.)	PhD: Building climate change resilience in cotton through translational physiology	ANU1704	Demi Gamble	ANU	Feb-17	Mar-20
	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	Aug-18
	Precision to Decision Agriculture: Agribusiness linkage	RRDP1702	Richard Heath	AFI	Jul-16	Feb-18
	Precision to Decision Agriculture: Analysis of the economic benefit and strategies for delivery of decision agriculture	RRDP1726	Richard Heath	AFI	Dec-16	Aug-17
	Precision to Decision Agriculture: Data Communications	RRDP1703	David Lamb	UNE	Jul-16	Dec-17
	Precision to Decision Agriculture: Data rules	RRDP1704	Leanne Wiseman	Griffith University	Jul-16	Dec-17
	Precision to Decision Agriculture: Data rules II	RRDP1706	Jay Sanderson	USC	Jul-16	Dec-17
	Precision to Decision Agriculture: Data sources	RRDP1707	Simon Barry	CSIRO	Jul-16	Dec-17
	Precision to Decision Agriculture: Data systems	RRDP1705	Brenton Cooper	D2D CRC	Jul-16	Dec-17
	Precision to Decision Agriculture: PMA, PMC, Agribusiness forums & Regional workshops	RRDP1708	Rohan Rainbow	Rainbow & Associates P/L	Jul-16	Feb-18
	Precision to Decision Agriculture: Project Leadership and Coordination	RRDP1701	Rohan Rainbow	Rainbow & Associates P/L	Jul-16	Feb-18

Program 2: Industry.

Program theme	Project title	Project code	Researcher	Organisation	Commenced:	Completed:
1. Respected stewardship	Biosecurity: 2016-17 scenario training	CRDA1711	Susan Maas	CRDC	Apr-17	Jul-17
	Biosecurity: facilitate 2016-17 scenario training	PHA1702	Stephen Dibley	PHA	Apr-17	Jul-17
	Conventional insecticide resistance in Helicoverpa - monitoring, management and novel mitigation strategies in Bollgard 3	DAN1506	Lisa Bird	NSW DPI	Jul-14	Jun-19
	Cotton Map		Nicola Cottee	CA	Jul-17	Jun-18
	Development of a spray drift hazard identification system	MRES1701	Graeme Tepper	MRES	Jul-16	Jun-19
	Managing Bt resistance and induced tolerance in Bollgard 3 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	Ceeney Ag	Jul-15	Jun-18
	NEW: Application of genomic tools to monitoring for resistance alleles in Helicoverpa spp.		Tom Walsh	CSIRO	Jul-17	Jun-19
	NEW: Assess biosecurity risk for Bt alleles & RMP implication		Wee tek Tay	CSIRO	Jul-17	Jun-20
	NEW: National biosecurity and disease extension and coordination and CQ regional extension (CottonInfo technical specialist)		Sharna Holman	QDAF	Jul-17	Jun-20
	NEW: Preparation for exotic insect pests		Gimme Walter	UQ	Jul-17	Jun-20
	Resistance research and monitoring to enhance stewardship of Bt cotton and management of Helicoverpa spp.	CSE1701	Sharon Downes	CSIRO	Jul-16	Jun-19
	Sponsorship: Science Protecting Plant Health Conference, 2017	CRDC1738	Jenny Lawler	QAAFI	Apr-17	Sep-17
	Surveillance and studies for endemic and exotic virus diseases of cotton	DAQ1601	Murray Sharman	QDAF	Jul-15	Jun-19
	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

Program theme	Project title	Project code	Researcher	Organisation	Commenced:	Completed:
2. Responsible landscape management	Appropriate land-use methodology for Australian cotton life cycle assessments	UQ1701	Francois Visser	UQ	Jul-16	Jun-19
	Baselining Lower Namoi groundwater and evaluating Pilliga CSG developments	UNSW1601	Bryce Kelly	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	Dec-17
	Improving the ability of the Australian cotton industry to report its sustainability performance	QUT1705	Erin Peterson	QUT	Oct-16	Sep-19
	Managing climate variability program - phase five	MLA1701	Tom Davsion	MLA	Jul-16	Jun-21
	Managing natural landscapes on Australian cotton farms to increase the provision of ecosystem services	GU1701	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
	NEW: Climate and energy for cotton farming businesses (CottonInfo technical specialist)		Jon Welsh	Ag Analytics	Jul-17	Jun-20
	NEW: NRM Technical specialist and extension campaigns (CottonInfo technical specialist)		Stacey Vogel	Vogel Consulting	Jul-17	Jun-20
	NEW: Quantifying the nutrients and pesticides cycle: from farm gate to catchments, groundwater and atmosphere		Dioni Cendon	ANSTO	Jul-17	Jun-20
	NEW: Quantifying the potential environmental impacts of pesticides used on cotton farms		Ashley Webb	NSW DPI	Jul-17	Jun-20
	NEW: Synthesis of natural resource assets in the cotton growing region of eastern Australia		Julian Wall	Eco Logical Australia Pty Ltd	Jul-17	Jun-20
	PhD: Effects of climatic fluctuation and landuse change on soil condition in the Lower Lachlan	US1403	Patrick Filippi	USYD	Mar-14	Sep-17
	PhD: Sustainable water extractions: Low flow refugia and critical flow thresholds	UNE1406	Marita Pearson	UNE	Jan-14	Dec-19
	Post doc: Keeping pest populations lower for longer: Connecting farms and natural systems	CSE1501	Vesna Gagic	CSIRO	Jul-14	Jun-18
	3. Sustainable futures	Bio-degradation of dyed cotton fabrics	NCSU1701	Nelson Vinueza	NCSU	Jan-16
Capital Item: GenesisERT Hydro Turbine		QUT1704	Stephen Hughes	QUT	Sep-16	Aug-17
Capital Item: Redflow 8kWh Battery		QUT1703	Stephen Hughes	QUT	Sep-16	Aug-17
Development of automatic siphons for cotton irrigation and use of hydro to recover energy from storage dams		QUT1702	Stephen Hughes	QUT	Sep-16	Aug-17
Micro particles generated from laundering of cotton and other fabrics		NCSU1702	Richard Venditti	NCSU	Jan-17	Dec-17
NEW: Innovative approaches to water security for Australian cotton irrigators			David Mitchell	NSW DPI	Jul-17	Jun-20

Program 3: Customers.

Program theme	Project title	Project code	Researcher	Organisation	Commenced:	Completed:
1. Assured cotton	Investigating the relative contributions of weathering, insect honeydew and fungal agents to cotton colour grade changes and discounts	CSP1703	Simone Heimoana	CSIRO	Jul-16	Jun-18
	NEW: Managing cotton quality to maintain Australia's premium status (CottonInfo technical specialist)		Rene van der Sluijs	CSIRO	Jul-17	Jun-20
	Sustainable Apparel Coalition: membership	CRDC1608	Scott Miller	SAC	Aug-15	Jul-17

Program theme	Project title	Project code	Researcher	Organisation	Commenced:	Completed:
2. Differentiated products	An eco friendly treatment to improve the look and handle of cotton fabric	DU1701	Rangam Rajkhowa	Deakin University	Oct-16	Sep-18
	Application of aqueous glycine to improve quality and efficiency of cotton dyeing	DU1703	Rangam Rajkhowa	Deakin University	Jan-17	Dec-17
	Breathable cotton for compression athletic wear	DU1601	Maryam Naebe	Deakin University	Jul-15	Dec-17
	Improved thermal management performance of bedding systems	RMIT1701	Olga Troynikov	RMIT	Jan-17	Dec-17
	PhD: High value bio-extractives and bioethanol from cotton gin trash	DAN1504	Shane McIntosh	NSW DPI	Jul-14	Aug-17
	Smart cotton/carbon fabrics for electromagnetic interference shielding	DU1602	Jin Zhang	Deakin University	Jul-15	Jun-18
3. Competitive futures	Developing renewable fine chemicals from cotton biomass	SRA1601	William Doherty	QUT	Jul-15	Jun-18
	PhD: Exploring nanofibrous coating on cotton fabric with versatile protection and dynamic comfort	RMIT1702	Olga Gavrilenko	RMIT	Feb-17	Jan-20

Program 4: People.

Program theme	Project title	Project code	Researcher	Organisation	Commenced:	Completed:
1. Workforce capacity	ABARES Science and Innovation Award sponsorship	ABA1701	Marie Finnegan	ABARES	Jul-16	Jun-18
	Aboriginal Employment Strategy student scholarships - Montana Jones	AES1601	Montana Jones	Merced Farming	Feb-16	Dec-17
	Australian Rural Leadership Program - Course 23	RIR1701	Matthew Bradd	ARLF	Aug-16	Oct-17
	Australian Rural Leadership Program - Course 23	RIR1702	Meagan Laidlaw	ARLF	Aug-16	Oct-17
	Co-investment in PIEF Membership for the cotton industry	CA1706	Adam Kay	CA/PIEF	Jul-16	Jun-18
	Cotton Young Farming Champions program	CRDC1728	Lynne Strong	PYIA	Dec-16	Jan-19
	CRDC Summer/Honours Scholarship: Developing versatile protective coating on cotton fabric	CRDC1724	Zhaowei Xu	RMIT	Feb-17	Nov-17
	CRDC Summer/Honours Scholarship: Effects of application uniformity change on energy requirement for Australian lateral move irrigation machines	USQ1701	Benton Munro	USQ	Nov-16	Oct-17
	CRDC Summer/Honours Scholarships		Various	CRDC	Jul-17	Jun-18
	Developing education capacity for the Australian cotton industry	CSE1602	Trudy Staines	CSIRO	Jul-15	Jun-18
	Horizon Scholarships 2014 - Felicity Taylor	RIRDC1401	Felicity Taylor	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	Mar-15	Dec-17
	Horizon Scholarships 2015 - Scott Nevison	RIRDC1503	Scott Nevison	RIRDC	Mar-15	Dec-18
	Horizon Scholarships 2016 - Sam Knight	RIRDC1602	Sam Knight	RIRDC	Jul-15	Dec-19
	Horizon Scholarships 2017			RIRDC	Jul-17	Dec-20
	NEW: Post doc: Investigating the future skills required for cotton farms		Nicole McDonald	USQ	Jul-17	Jun-20
	Nuffield Australia Farming Scholarship	CRDC1711	Daniel Kahl	Nuffield	Jul-16	Sep-18
	People in Agriculture - employment starter kit website	DA1502	Shane Hellwege	Dairy Australia	Jul-14	Jun-18
	Peter Cullen Trust scholarship		Various	Peter Cullen Trust	Jul-17	Jun-18
	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

Program theme	Project title	Project code	Researcher	Organisation	Commenced:	Completed:
2. Networks	AgVet collaborative forum: plant industries, phase three	RIRDC1701		RIRDC	Jul-16	Dec-19
	Automation of recycling system: IREC field station	IREC1701	Rob Houghton	IREC	Mar-17	Oct-17
	BoardEffect governance platform hosting	CRDC1631		BoardEffect LLC	Jun-16	Jul-17
	Capital Item: Planter bar and trailer	CGA1703	Ian Gourley	DCRA	Sep-16	Oct-17
	CRDC Grassroots Grants		Various	CGAs	Jul-17	Jun-18
	CRDC Grassroots Grants: Strengthening CGA policy and procedures	CGA1608	Emma McCullagh	Central Highlands CGA	Oct-15	Sep-17
	CRDC Grassroots Grants: Upgrade to Darling Downs weather station network	CGA1708	Adam McVeigh	Darling Downs CGA	Dec-16	Sep-17
	Grower RD&E advisory panels - meeting travel, capacity building, Board Portal		Nicola Cottee	CA	Jul-17	Jun-18
	National RD&E water use in agriculture cross sector strategy	DA1701	Cathy Phelps	Dairy Australia	Nov-16	Jun-18
	NEW: Post doc: Improving grower decisions in complex systems		Geraldine Wunsch	USQ	Jul-17	Jun-20
	Plant Health Australia membership			PHA	Jul-17	Jun-18
	Plant Health Australia secretariat support			PHA	Jul-17	Jun-18
	Primary Industries Health and Safety Partnership	RIRDC1301	Simon Winter	Joint Partnership RIRDC	Jul-17	Jun-18
	RIRDC Rural Womens Award sponsorship			RIRDC	Jul-17	Jun-18
	Soils cross-sectoral strategy & National Soil RD&E Implementation Committee membership	DAFF1401	Mike Grundy	CSIRO	Jul-17	Jun-18
	Sponsorship: 18th Australian Cotton Conference foundation sponsorship	CA1601	Stuart Armitage	CA	Jul-17	Jun-18
	Sponsorship: Association of Australian Cotton Scientists cotton researcher conference 2017	CRDC1720	Danny Llewellyn	AACS	Sep-17	Sep-17
	Sponsorship: Australasia-Pacific Extension Network International Conference 2017	CRDC1707	Jeanette Long	APEN	Jul-16	Sep-17
	Sponsorship: Australian Cotton Fibre Expo	CRDC1713	Melanie Moloney	Aust Cotton Fibre Expo	Jul-16	Aug-17
	3. Communication	Documenting the production of best practice Australian cotton through videos	DAQ1702	Paul Grundy	QDAF	Jul-16
Stimulating private sector extension in Australian agriculture to increase returns from R&D		DA1601	Ruth Nettle	Dairy Australia	Jul-15	Jun-18
Travel: US Cotton Industry tour & precision ag work experience		CRDC1740	Casey Onus	Landmark	May-17	Jul-17

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-18
2. Monitoring and evaluation	Annual qualitative and quantitative surveys for the Australian cotton industry	CCA1601	Liz Todd	CCA	Jul-15	Jun-18
	Boyce Cotton Comparative Analysis	BCA	Phil Alchin	BCA	Jul-17	Jun-18
	CRDC Cotton Grower Survey	CRDC1733	Michael Sparks	Intuitive Solutions	Feb-17	Dec-19
	Longitudinal assessment of the cotton industry's People investments	CRDC1710	Jennifer Moffatt	Moffatt consulting	Jul-16	Dec-18
	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 - Stage 3: Sustainability cluster and myBMP cluster	CRDC1731	Peter Chudleigh	Agtrans Research	Feb-17	Aug-17

Key.

AACS	Association of Australian Cotton Scientists
ABARES	Australian Bureau of Agricultural and Resource Economics and Sciences
AFI	Australian Farm Institute
AGWA	Australian Grape and Wine Authority
ANSTO	Australian Nuclear Science & Technology Organisation
ANU	Australian National University
APEN	Australasia-Pacific Extension Network
ARLF	Australian Rural Leadership Foundation
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
CSIRO	Commonwealth Scientific and Industrial Research Organisation
D2D CRC	Data to Decisions Cooperative Research Centre
DCRA	Dryland Cotton Research Association
DEDJTR	Victorian Department of Economic Development, Jobs, Transport, and Resources
DSITI	Queensland Department of Science, Information Technology and Innovation
GVIA	Gwydir Valley Irrigators Association
ICAN	Independent Consultants Australia Network
IREC	Irrigation Research and Extension Committee
MLA	Meat and Livestock Australia
MRES	Micro Meteorology Research & Education Services
NCEA	National Centre for Engineering in Agriculture
NCSU	North Carolina State University
NSW DPI	NSW Department of Primary Industries
NTDPIR	Northern Territory Department of Primary Industries and Resources
PHA	Plant Health Australia
PYIA	Picture You in Agriculture
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
RMIT	Royal Melbourne Institute of Technology
SAC	Sustainable Apparel Coalition
SRA	Sugar Research Australia
UM	University of Melbourne
UNE	University of New England
UNSW	University of New South Wales
UQ	University of Queensland
USC	University of the Sunshine Coast
USQ	University of Southern Queensland
USYD	University of Sydney
UTAS	University of Tasmania
UWS	University of Western Sydney