

SUMMARY OF SRA RESEARCH PORTFOLIO OUTPUTS

OCTOBER 2016 – MARCH 2017

As part of SRA's Impact Pathway framework, outputs delivered across the research portfolio are tracked and reported on a bi-annual basis. The following outputs were delivered across the portfolio in the six months to March 31 2017. Please note that this is not an exhaustive list of outputs, there are ongoing core business outputs occurring across the SRA RD&A portfolio not presented here.

KFA	Outputs	Project	Project title	Research organisation
1	Remote sensing technology knowledge.	2013/025	Developing remote sensing as an industry wide yield forecasting, nitrogen mapping and research aide.	University of New England
	Streamlined image processing techniques - remote sensing.			
	Evaluation of delivery of remotely sensed imagery.	2011/343	Maximising genetic gain from family and within family selection.	SRA
	New Progeny Assessment Trial (PAT) methodology.			
<i>Erianthus</i> specific primer pairs set.	2013/358	Developing cytogenetic and molecular tools to improve selection for soil-borne pathogen resistance in wild hybrids.	SRA	
<i>Spontaneum</i> -specific primer pairs, design and recommendations.				
3	Biosecurity Manual to complement Industry Biosecurity Plan.	2014/088	Review of the sugarcane Industry Biosecurity Plan (IBP) and development of a Grower Biosecurity Manual (GBM).	Plant Health Australia
4	An intermediate-size cane cleaner test rig built and tested.	2014/035	A non-pneumatic cane cleaning system with no cane loss.	Queensland University of Technology
	Analysis of crop cycle yields following fallow variations.	2015/077	Cropping solutions for the sugarcane farming systems of the Burdekin - extension of 2011/922.	SRA
Economic analysis of sugarcane farming systems in the Burdekin including cash fallow crops.				
5	Knowledge of the effect of trash and shredder on fibre quality measurements.	2015/081	Assessment of new soft cane varieties.	Queensland University of Technology
	Knowledge of the effect of new soft cane varieties on the factory.			
	Turn-key analysis system for mill products.	2014/051	Improving mill efficiency through rapid analysis methodologies.	SRA
	New capability to undertake cane preparation research.	2015/018	Increasing capacity to undertake cane preparation research through modelling and experimentation.	Queensland University of Technology
	Recommended design changes for wet scrubbers.	2012/055	Improved modelling of wet scrubbers.	Queensland University of Technology
7	Improved tissue culture material planting technology/propagation pathway.	2014/093	Tissue Culture – managing impediments to adoption in Tully.	Tully Cane Productivity Services Limited
	Communication and adoption of tissue culture propagation pathway.			
8	Capacity development through postgraduate research training - PhD Adam Frew.	2014/104	Exploiting soil microbe associations with sugarcane roots for resistance to canegrubs.	Western Sydney University
	Capacity building of ECR/MCR - Chanyarat Payngfoo-Lonhienne.	2015/401	ECR/MCR Dr Chanyarat Paungfoo-Lonhienne.	University of Queensland