Milling research investment

PROJECT TITLE	PROJECT NUMBER	PRINCIPAL R&D PROVIDER	CHIEF INVESTIGATOR	END DATE
Key Focus Area 5 (Milling efficiency and technology)				
Real time harvest and transport system	2014/037	QUT	Geoff Kent	01/09/2018
Improving mill efficiency through rapid analysis methodologies	2014/051	SRA	Steve Staunton	01/09/2017
Managing aspects of raw sugar quality in the Australian sugar industry	2014/052	SRA	Steve Staunton	01/08/2017
Investigation into modifying pan boiling techniques to improve sugar quality	2015/013	QUT	David Moller	30/06/2018
Increasing capacity to undertake cane preparation research through modelling and experimentation	2015/018	QUT	Geoff Kent	01/04/2018
Online analysis systems to measure the available nutrients in mill mud	2016/019	SRA	Steve Staunton	01/03/2020
Reducing boiler maintenance costs and deferring capital expenditure through improved technology	2016/020	QUT	Floren Plaza	
Evaporator liquor brix sensor	2017/003	Wilmar	Robert Stobie	31/12/2018
Managing aspects of raw sugar quality in the Australian sugar industry – Part II	2017/006	Griffith University	Chris Davis	30/06/2019
Investigations to mitigate the effects of sucrose degradation and acid formation in factory evaporators on sugar recovery and quality, corrosion and effluent loadings	2017/007	QUT	Darryn Rackemann	01/12/2020
Key Focus Area 6 (Product diversification and value addition)				
Process for making bagasse paper pulp	2012/053	QUT	Thomas Rainey	01/05/2018
A profitable future for Australian agriculture: biorefineries for higher-value animal feeds, chemicals and fuels (Rural R&D for Profit)	2015/902	QUT	Ian O'Hara	01/03/2019
Key Focus Area 8 (Collaboration and capability development)				
Integrated standardised competency based training for sugar milling operations	2017/013	QUT	David Moller	1/12/2019
A boiler simulator for improved operator training	2016/001	QUT	Anthony Mann	1/7/2018

THE FOLLOWING PROJECTS HAVE SUBMITTED FINAL REPORTS SINCE THE LAST EDITION OF MILLING MATTERS:

- Determine the optimum tube dimensions for Robert evaporators through experimental investigations and CFD modelling, QUT
- Develop a blueprint for the introduction of new processing technologies for Australian factories, QUT

THE FOLLOWING PROJECTS HAVE SUBMITTED MILESTONE REPORTS

- Reducing boiler maintenance costs and deferring capital expenditure through improved technology, QUT
- Investigations to mitigate the effects of juice degradation in factory evaporators on sugar recovery and quality, corrosion and effluent organic loading, QUT
- Integrated standardised training for Sugar Milling Operations, QUT
- On line analysis systems to measure available nutrients in mill mud, SRA
- Reducing the maintenance costs of mill rolls, QUT
- **Improved modelling of wet scrubbers, QUT**