

# Milling research investment

PROJECT TITLE	PROJECT NUMBER	PRINCIPAL R&D PROVIDER	CHIEF INVESTIGATOR	END DATE
 <b>Key Focus Area 5 (Milling efficiency and technology)</b>				
Real time harvest and transport system	2014037	QUT	Geoff Kent	01/02/2019
Investigation into modifying pan boiling techniques to improve sugar quality	2015013	QUT	David Moller	30/05/2019
Increasing capacity to undertake cane preparation research through modelling and experimentation	2015018	QUT	Geoff Kent	01/04/2019
Online analysis systems to measure the available nutrients in mill mud	2016019	SRA	Steve Staunton	01/03/2020
Reducing boiler maintenance costs and deferring capital expenditure through improved technology	2016020	QUT	Floren Plaza	01/07/2020
Evaporator Liquor Brix Sensor	2017003	Wilmar	Robert Stobie	31/12/2018
Managing aspects of raw sugar quality in the Australian sugar industry Part II	2017006	Griffith University	Chris Davis	30/06/2019
Investigations to mitigate the effects of juice degradation in factory evaporators on sugar recovery and quality, corrosion and effluent organic loading	2017007	QUT	Darryn Rackemann	01/12/2020
Pan design and operational changes to suit Australian pan stages operating on low pressure vapour	2018012	QUT	Ross Broadfoot	01/10/2021
Evaluation of the Neltec Colour Q for measuring the purity of magma from C centrifugals	2018201	Isis Central Sugar Mill Company Ltd	David Pike	01/05/2019
Improving the impact of evaporator calandria noxious gas bleeding arrangements on evaporator rate and condensate quality at Racecourse Mill	2018202	Mackay Sugar Limited	Brett Bampton	14/05/2019
Understanding the cause of high colour sugar - intrinsic cane colour, extraneous matter or factory practices?	2018203	Wilmar Sugar	Robert Stobie	01/04/2019
Activated Sludge Plants – Optimising Operations and Technology	2018204	Wilmar Sugar	Robert Stobie	01/04/2019
 <b>Key Focus Area 6 (Product diversification and value addition)</b>				
A profitable future for Australian agriculture: Biorefineries for higher-value animal feeds, chemicals and fuels	2015902	QUT	Ian O'Hara	01/02/2019
Manipulation of carbon partitioning to enhance the value of sugarcane (ARC LINKAGE UQ collaboration with SRA contribution)	2016801	UQ (SRA contribution)	Frikkie Botha	30/12/2019

## THESE PROJECTS HAVE SUBMITTED THEIR FINAL REPORT:

- Process for making bagasse paper pulp, QUT
- Reviewing and extending knowledge of fibre quality assessment and effects of cane varieties, QUT

## THE FOLLOWING PROJECTS HAVE SUBMITTED MILESTONE REPORTS SINCE THE PREVIOUS ISSUE OF MILLING MATTERS:

- Investigation into pan boiling techniques to improve sugar quality, QUT
- A boiler simulator for improved operator training, QUT
- Evaporator Liquor Brix Sensor, Wilmar
- A profitable future for Australian agriculture: biorefineries for higher-value animal feeds, chemicals and fuels (R&D for Profit), QUT
- A non-pneumatic cane cleaning system with no cane loss, QUT
- Integrated standardised training for sugar milling operations, QUT