35th Annual Conference of the Australian Society of Sugar Cane Technologists 2013

(ASSCT 2013)

Townsville, Queensland, Australia
16-18 April 2013

Editors:

R. C. Bruce

THIRTY-FIFTH CONFERENCE
TOWNSVILLE, 2013

PROGRAM
The Official Opening, Annual General Meeting and all Technical Sessions of the Conference and the Industry Equipment Exhibition will be held at the Townsville Entertainment and Convention Centre, Entertainment Drive, Townsville.

TUESDAY, 16 April 2013

Registration at the Townsville Entertainment and Convention Centre, Entertainment Drive, Townsville, from 7.30 am

MORNING SESSION – 9.00 am
Chairman: Mr L Santarossa

WELCOME AND OFFICIAL OPENING
Councilor Jenny Hill
Mayor, Townsville City Council

KEYNOTE SPEAKER
Mr Tom McNeill
Director, Green Pool Commodities, Brisbane

9.15–9.30 President’s address
Mr L Santarossa
Mr Tom McNeill, Green Pool Commodities

10.30–11.00 Official opening of Industry Equipment Exhibition and morning tea

GENERAL SESSION
Chairman: Mr Paul Giordani

Paper 11.00–11.30 CaneLCA – A life cycle assessment (LCA)-based eco-efficiency calculator for Australian sugarcane growing, by MA Renouf

Paper 11.30–12.00 Development of a tool for rapid life cycle assessment of sugar and associated energy products, by PA Hobson, MA Renouf

Paper 12.00–12.30 Downscaled rainfall projections for the Burdekin, Mackay and NSW, by Y Everingham, J Sexton, B Timbal

12.30–1.30 Lunch
## AFTERNOON SESSION–1.30 PM

### AGRICULTURE SESSION
Chairman: Mr Greg Shannon

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<td>Understanding the barriers to the implementation of precision agriculture in the Central Region</td>
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### MANUFACTURING SESSION
Chairman: Dr Geoff Kent

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### AGRICULTURE SESSION
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### MANUFACTURING SESSION
Chairman: Mr Bruce Tyson

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4.00–4.30 Short poster presentations

4.30–5.00 Section AGMs

5.00–6.00 Poster viewing

6.15– Welcome function - Jupiters
WEDNESDAY, 17 APRIL 2013

MORNING SESSION–8.00 am

AGRICULTURE SESSION (Concurrent A)
Chairman: Dr Andrew Ward

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Paper: 8:30–9.00  What causes nitrous oxide emissions from some sugarcane crops to be so high? By PJ Thorburn, JS Biggs, BCT McDonald, DE Allen, OT Denmead  110

Paper: 9.00–9.30  Phosphorus fertiliser requirements for plant and ratoon crops on soils with very high phosphorus sorption characteristics, by DM Skocaj, AP Hurney, BL Schroeder  118

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Paper: 9.00–9.30  Detection and variability of the causal agent of sugarcane downy mildew, by N Thompson, L Kuniata, R Kombukon, R Magarey  149

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MANUFACTURING SESSION
Chairman: Mr Doug Sockhill

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Chairman: Mr Mark Poggio

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Chairman: Mr Brett Kuskopf

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THURSDAY, 18 APRIL 2013

MORNING SESSION–8.00 am

AGRICULTURE SESSION
Chairman: Mr David Calcino

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Paper: 8.30–9.00 Developing, validating and applying near infrared (NIR) spectroscopic methods for the nutrient compositional analysis of sugar mill byproducts, by EC Keeffe, ZA Ostatek-Boczynski, LJ Donnan, WN Martens, MG O’Shea 288

Paper: 9.00–9.30 Need for cropping systems R&D to suit the evolving sugarcane farming system, by BL Schroeder, PG Allsopp, T Cameron, B Salter, AP Hurney, M Davis 295

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Chairman: Mr David Calcino

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Chairman: Mr Paul Turnbull

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Paper: 12.00–1.00 Lunch
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Chairman: Mr Greg Shannon

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