

CONFERENCE REGISTRATION FORM

Understanding the impact of herbicides on the Great Barrier Reef

The issues, the science, the on-ground practice and the future

Rydges Townsville

9-10 November 2009

CANEGROWERS is hosting a workshop to better understand the impact of herbicides on the Great Barrier Reef and how to best balance reef health with sugar production. The facilitated workshop will focus on herbicides and water quality to:

- Identify an approach on how best to balance reef health with sugar production
- Provide an opportunity to share expert knowledge among participants
- Develop a better understanding of the on-ground, scientific and regulatory settings

Herbicides and the Great Barrier Reef

The magnitude of chemical run-off and its impact on the Great Barrier Reef is not clear; however there is a strong perception that agricultural run-off, particularly herbicides from sugarcane, is detrimental to the GBR and its resilience to the impacts of climate change. *So what does the herbicide threat actually mean for the Great Barrier Reef and the sugar industry and how can the stakeholders strike a balance between economic, environmental and social sustainability?*

A number of studies have recently identified herbicides in catchments that discharge to the Great Barrier Reef, including the 2009 report by Lewis et al, *Herbicides: A new threat to the Great Barrier Reef*. In essence, the greater reliance and use of herbicides in sugarcane production is a response by the sugar industry to improved practice and partly stems from the introduction of minimum tillage, a best management practice that improves productivity, soil structure and reduces sediment loss.

Herbicides on reef workshop

The facilitated workshop will focus on herbicides and water quality to deliver an approach on how best to balance reef health with sugar production based on science and on ground practices. This workshop will provide the opportunity to:

- Examine the issues of reef health, herbicide use and on-ground management practices
- Hear the science from specialists connected to reef, water quality and land management research and practices
- Understand the regulatory process and requirements for registering chemicals in Australia,
- View the on-ground management practices and supporting science currently being carried out by agriculture
- Hear from growers and agriculture advisors about the on-ground adoption of practical management systems
- Participate in discussing the options for balancing reef health and agriculture through facilitated sessions

Who should attend? Researchers, Industry, Growers, Government and Stakeholders.

Registration: Delegate Package includes:

- 2 day workshop
- Speakers and facilitator
- Field tour
- BBQ Dinner, morning teas, lunches and afternoon teas
- Workshop materials

DELEGATE
CANEGROWERS Member

\$375.00 inc. GST
\$325.00 inc. GST

DAY 1	
MONDAY 09 NOVEMBER 2009	
08.00am – 08.30am	Arrival Tea and Coffee
08.30am – 08.45am	Welcome & Opening
08.45am – 09.15am	Keynote Address - The Hon. Kate Jones MP, Minister for Climate Change (Invited)
09.15am – 10.30am	Session 1 – Scene Setting The GBR outlook
10.30am – 11.00am	Morning Tea
11.00am – 12.10pm	Session 1 – Water Quality Science
12.10pm – 12.30pm	Open discussion session
12.30pm – 13.30pm	Load Coaches, depart & Lunch (Lunch boxes provided on coaches)
13.30pm – 15.00pm	Field Tour On Farm Best Practices & Demonstrations
15.00pm – 15.30pm	Afternoon Tea
15.30pm – 17.30pm	Field Tour Con't...
19.00pm – 21.00pm	BBQ Dinner – Rydges Southbank
DAY 2	
TUESDAY 10 NOVEMBER 2009	
08.00am – 08.30am	Arrival Tea and Coffee
CONCURRENT SESSIONS – HERBICIDE WORKSHOP	
08.30am – 09.00am	Review / Open Discussions
09.00am – 10.30am	Session 3 – Best Management Practices
10.30am – 11.00am	Morning Tea
11.00am – 12.30pm	Session 4 – Regulatory Environment
12.30pm – 13.30pm	Lunch
13.30pm – 15.00pm	Session 5 – Facilitated Workshop
15.00pm – 15.30pm	Afternoon Tea
15.30pm – 16.30pm	Outcomes & Close

Contact

CANEGROWERS Conference

Coordinator

Phone: (07) 3864 6444

Fax: (07) 3864 6429

Email: caralyne_wilson@canegrowers.com.au



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SPEAKERS AT THE WORKSHOP INCLUDE

Jon Brodie

James Cook University of Australia

Water Quality Scientist for the Australian Centre for Tropical Freshwater Research



Jon Brodie is a Principal Research Officer specialising in water quality. Jon's training was in environmental chemistry with original research while at James Cook University in the 1970s examining agricultural chemical residues in groundwaters of the Burdekin River delta. For the last 20 years his interests have been in environmental research and consultancy and the management of marine and freshwater pollution. He spent ten years as an environmental researcher/consultant with the University of the South Pacific (Fiji and other Pacific island states) and the ACTFR. For 11 years he managed the Water Quality Research and Management Program of the Great Barrier Reef Marine Park Authority. He has also been recently involved in a number of environmental projects overseas in the Middle East (Yemen) and the Pacific islands (American Samoa, Samoa, Kiribati and PNG). Jon's research interests are in the sources of pollutants in catchments; transport of pollutants to the marine environment; the dispersal of land-based pollutants in coastal and marine environments; and the effects of terrestrial pollutants on marine ecosystems.

Barry Callow

BSES Limited

Senior Weeds Agronomist based in Bundaberg



After several years employed as BSES Limited Extension Officer working on the Prosper Program in Bundaberg Barry was appointed as a Senior Weeds Agronomist in January 2007. Prior to joining BSES Barry spent ten years as Area Manager based in North Queensland with an international agricultural chemical company. In his current role he is focused on improving weed management in the Australian sugarcane industry while minimising adverse environmental impact. Barry has also developed an Integrated Weed Management (IWM) package for delivery to growers through grower workshops. Barry also develops and demonstrates innovative weed control methods and is involved in trial work to improve weed management.

Stephen Lewis

James Cook University of Australia

Water Quality Scientist for the Australian Centre for Tropical Freshwater Research



Stephen Lewis is a geochemist who studies water quality in the Great Barrier Reef (GBR) catchment area and lagoon. He used trace elements in coral core records to investigate changes in water quality since the time of European settlement in north Queensland (c. 1850). Stephen first demonstrated that manganese concentrations in coral skeletons provide an excellent proxy of environmental change in the GBR catchment area (Lewis et al. 2007). He has also contributed to the knowledge of barium/calcium ratios, yttrium concentrations and rare earth elements as proxies of sediment runoff to the GBR lagoon (Lewis 2005; Lewis et al. 2007). Stephen's recent research efforts have involved the tracing of sediments and nutrients from the catchment to the reef. In this research, he applied a suite of trace elements and isotopes to trace the sources of sediments suspended in the tributaries of the Burdekin River back to soil types within the catchment. He will also continue his research in coral geochemistry by applying trace elements and nitrogen isotopes to coral cores collected through the Whitsunday Island Group to investigate historical changes in water quality. In addition, Stephen has recently studied pesticide runoff to the GBR and has examined the dynamics of freshwater plumes in the GBR lagoon

Ben Stapley

CropLife

Assistant Director - Environment and Stewardship



Ben Stapley is the Assistant Director for Environment and Stewardship with CropLife Australia. In his current role at CropLife, Ben is responsible for developing policies and guidance that ensures that CropLife's member company products are used responsibly with the highest levels of protection provided for human health and the environment, including for the Great Barrier Reef. Ben has an extensive background in environmental chemicals policy within both the public and private sectors, including in ozone protection where he developed and implemented new regulatory frameworks for ozone depleting substances, participated in negotiations under various international chemical management treaties including the Montreal Protocol for Substances that Deplete the Ozone Layer, the Stockholm Convention on Persistent Organic Pollutants and the Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade, and managed Commonwealth environmental policy initiatives for industrial chemicals. He has previously been responsible for delivering capacity building activities throughout South East Asia and the Pacific assisting governments responsible manage chemicals. Recently, he has also been involved with the management of sustainability, health and safety and accessibility of design for the 2012 Olympic Games in London as the Priority Themes Manager for the private consortium delivering the games.

Bronwyn Masters

Queensland Government

Environmental Scientist with the Department of Environment and Resource Management (DERM)



Bronwyn Masters graduated in 2003 with a Bachelor of Applied Science in Environmental Science at James Cook University, Townsville. In her second year of study, Bronwyn was awarded a scholarship with the Queensland Department of Environment and Resource Management (previously Natural Resources and Water), and since graduation has been based with the Land and Water Science group in Mackay, and most recently Mareeba, North Queensland. Previous to her studies she worked with Mackay Sugar at Marian Mill. Bronwyn has been actively involved in various components of the Mackay Whitsunday Healthy Waterways Initiative and Water Quality Improvement Plans. Her primary engagement has been through plot, paddock and catchment scale water quality monitoring studies, including the community based event (or flood) monitoring project and rainfall simulation trials to assess the quality of runoff from various local cane farming management practises. Through these projects Bronwyn works as part of a team to develop, coordinate, monitor and report on diffuse source pollutants, such as sediments, nutrients and residual herbicides in runoff events that discharge into local freshwater streams and the Great Barrier Reef lagoon. These projects have been aimed at informing the local region of current water quality issues, as well as providing direction for appropriate action for landuse management improvement.

Jamie Cupples MAICD

Farmsafe

Director



Jamie Cupples MAICD is the Executive Director of Farmsafe Queensland Ltd; he holds qualifications in Occupational Health and Safety, OHS auditing, Chemical Application and Training. He was the inaugural Chairman of the Queensland Agricultural Chemical Accreditation Council (the forerunner of ChemCert Queensland) Jamie has held the position of Chief Executive Officer of Farmsafe Queensland since 1997; previously he was the Vice-President of the Queensland Grain Growers Association and a practising farmer and chemical application contractor for over 30 years.

Matt Kealley

CANEGROWERS

Manager - Environment & Natural Resources



Matt Kealley is the Environmental and Natural Resources Manager at CANEGROWERS. He has an Environmental Science background and a broad base of experience within the biotechnology, environmental, agricultural and communications sectors. Matt's early years were spent on water quality and vegetation management in Western Australia. He moved to Queensland in 2004 and has been working within the biotech and agricultural industries on challenging projects that included the registration of new products with the APVMA, the commercialisation of natural insecticides, and the complexities of biofuels, GM crops, and infrastructure within the Australian grains industry. Matt likes to take a hands-on approach which has required specific dealings with industry, government and government agencies.

CANEGROWERS Herbicides on the Reef

09 - 10 November 2009



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REGISTRATION FORM

Personal Details *(Please complete one form per person)*

Title *(Dr/Prof/Mr/Mrs)*: _____ First Name: _____ Surname: _____
Name for badge *(If different from above)*: _____ Position: _____
Organisation: _____ Membership No *(if applicable)*: _____
Postal Address: _____
City: _____ State: _____ Postcode: _____ Country: _____
Phone: _____ Fax: _____ Mobile: _____
Email: _____
Special dietary/medical requirements: _____

Section A: Registration Fees

All attendees MUST PRE-REGISTER for this event, dinner and field tour included in registration. Additional charge will apply if not registered by 5.00pm on Friday 30 October.

Please tick the appropriate box/s:

Registration Type	Members	Non Members
Full Registration	<input type="checkbox"/> \$325.00	<input type="checkbox"/> \$375.00
Late Registration:	<input type="checkbox"/> \$15.00*	* Additional Fee if not registered by the 30 October 2009

Subtotal Section A: \$ _____

Section B: Social / Professional Functions

Please indicate in this section your desire to attend these functions, which **ARE INCLUSIVE** of full registration. For additional tickets, please advise names if required.

Function	Attending	Not Attending
Welcome BBQ Dinner:	<input type="checkbox"/>	<input type="checkbox"/>
Field Tour:	<input type="checkbox"/>	<input type="checkbox"/>

I also require _____ additional ticket/s at a cost of \$90pp
Name of additional attendee: _____

Subtotal Section B: \$ _____

Conference Coordinator

Complete one form per person and return with payment to:

Postal: GPO Box 1032, BRISBANE QLD 4001

Phone: +61 0 7 3864 6444

Fax: +61 0 7 3864 6429

Email: caralyne_wilson@canegrowers.com.au

Web: www.canegrowers.com.au

The Privacy Act 2001 provides that delegates must consent to their name, organisation and city/country details only being distributed to conference delegates and sponsors. If you DO NOT wish for your details to appear in the conference delegate list, please indicate this by ticking the box.

No cancellation refunds will be considered unless made in writing to the conference coordinator prior to the 30 October. Cancellations received after 30 October 2009, will incur a 20% administration fee. Alternatively, you may transfer the registration to another person without incurring any penalty – you must send written advice to the conference coordinator of the transfer. Special Circumstances may apply to waiver the penalty, and requests should be made in writing.

Accommodation

We recommend that delegates stay at the conference venue, **Rydges Southbank Townsville**, located at 23 Palmer St, South Townsville. A conference accommodation rate has been negotiated for delegates (subject to availability). *Be quick to book as accommodation is limited!*

You **must book** directly with the hotel using the booking code **CANEGROWERS** by 30 October 2009.

Web Booking: <http://www.rydges.com/cwp/canegrowers>

Phone Booking: FreeCall 1800 355 143

Deluxe Room From \$149.00 per night (Standard Rm)

Pre-book your breakfast with your accommodation to access the discounted rate of \$18.00pp daily or be charged at normal rate of \$25.00pp daily if not pre-booked.

Payment Details

Section A: \$ _____

Section B (if applicable) \$ _____

Total Payment: \$ _____

My cheque is attached made payable; CANEGROWERS

Please debit my credit card: Visa Mastercard

Card Name: _____

Card No: _____

Exp: _____ Security No: _____ (3 Digit number)

Signature: _____

Please note: All prices are GST inclusive, full payment is required prior to confirming your registration and a tax invoice will be issued along with an email confirmation of your registration.

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