

**Advances and Challenges in Sugar Cane Pest Management
Cairns, AUSTRALIA
14-20 May 2006**

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PROGRAMME & TOPICS

The Programme consisted of three days of presentations and discussions followed by two days of field trips. A Tour to Ramu Sugar in Papua New Guinea had to be cancelled because of little interest expressed for participation.

Discussions during the Workshop were focused primarily around the following topics:

- **Integrated Pest Management**
- **Plant Resistance**
- **Biological Control**
- **Management of Pest Incursions**
- **Rodent Management**

The detailed Programme was as follows:

Monday 15 May	
	Arrival of delegates
6.00 pm	Welcoming drinks – Holiday Inn, Laura Pre-function area
Tuesday 16 May	
8.00 - 9.00 am	Registration – Holiday Inn, Dunbar Room (ground floor)
9.00	Introduction <i>Peter Allsopp</i>
9.05 - 9.30 am	Chairman's Welcome <i>Bill White</i>
9.30 - 12.30 am	Managing invasive species - Peter Samson
9.30 - 10.00 am	Sugar cane biosecurity in Australia: preparedness for a possible pestincursion <i>Mohamed Sallam and Peter Allsopp</i>
10.00 - 10.30 am	Coffee break
10.30 - 11.00 am	A proposed plan for the improvement of sugar cane biosecurity in Louisiana <i>Mohamed Sallam and Gene Reagan</i>
11.00 - 11.30 am	Concepts of managing an invasive species and the plant-stress hypothesis <i>Gene Reagan</i>
11.30 - 12.00	How best to control <i>Chilo sacchariphagus</i> in Mozambican sugar cane – classical biocontrol, augmentation, or both? <i>Des Conlong and Régis Goebel</i>
12.00 - 12.30 pm	Preventative measures against the whitegrub <i>Hoplochelus marginalis</i> in Mauritius <i>Seelavarn Ganeshan</i>
12.30 - 1.30 pm	Lunch
1.30 - 2.00 pm	General discussion – collaborative efforts for improving biosecurity and managing invasive species
2.00 - 4.30 pm	Phylogenetics and Molecular Techniques - Régis Goebel
2.00 - 2.30 pm	Use of phylogenetics and phylogeography of sugar cane insect pests to direct control measures <i>Des Conlong, Y Assefa, G Dittrich and Andrew Mitchell</i>
2.30 - 3.00 pm	Bugs, genes, islands and invasions: <i>Eumetopina flavipes</i> in the Torres Strait <i>Kylie Anderson, Mohamed Sallam and Brad Congdon</i>

3.00 - 3.30 pm	Coffee break
3.30 - 4.00 pm	Is the distribution of Fiji leaf gall in Australian sugar cane explained by variation in the vector <i>Perkinsiella saccharicida</i> <i>Andrew Ridley, K Dhileepan, Karyn Johnson, Peter Allsopp, Kerry Nutt, Gimme Walter and Barry Croft</i>
4.00 - 4.30 pm	General discussion - opportunities for collaborative efforts
Wednesday 17 May	
8.30 - 12.00 pm	Management of whitegrubs/cane grubs - Bill White
8.30 - 9.00 am	Maximising returns from greyback canegrub (<i>Dermolepida albohirtum</i>) control in sugar cane in Queensland, Australia <i>Glen Tucker</i>
9.00 - 9.30 am	Canegrub management with insecticides in new planting systems <i>Peter Samson and Tim Staier</i>
9.30 - 10.00 am	What criteria could model trends in the risk of greyback canegrub damage? <i>Keith Chandler, Peter Samson and Mohamed Sallam</i>
10.00 - 10.30 am	Coffee break
10.30 - 11.00 am	Successful biological control of <i>Hoplochelus marginalis</i> by <i>Beauvaria</i> sp. in Reunion Island <i>Bernard Vercambre, D Pastou, K Barbin, A Rolet, S Georger, E Jeuffrault and B Reynaud</i>
11.00 - 12.00 pm	General discussion – management of whitegrubs
12.00 - 1.00 pm	Lunch
1.00 - 5.00 pm	Management of stemborers - Seelavarn Ganeshan
1.00 - 1.30 pm	Cophylogeny of the <i>Cotesia flavipes</i> complex and their polydnavirus symbionts: towards the effective biological control of stemborer pests in Australia <i>Kate Muirhead, Nick Murphy, Steve Donnellan, Mohamed Sallam and Andrew Austin</i>
1.30 - 2.00 pm	Ten years of utilizing <i>Cotesia flavipes</i> for augmentative biological control of sugar cane moth borers in Thailand <i>Wiwat Suasa-ard, Kosol Charemsom and Oraphan Kern-asa</i>
2.00 - 2.30 pm	Biocontrol of the sugar cane stemborer <i>Chilo sacchariphagus</i> in Reunion Island: optimization of the technique for a wider use in infested sugar cane areas <i>Régis Goebel, E Tabone, G Barreault, H Karimjee and P Caplong</i>
2.30 - 3.00 pm	Integration of insecticides in the management of <i>Sesamia griseocens</i> in sugar cane at Ramu, Papua New Guinea <i>Lastus Kuniata and Kaile Korowi</i>
3.00 - 3.30 pm	Coffee break
3.30 - 4.00 pm	Importance of chemical ecology in successful habitat management strategies for sugar cane stalk borers <i>Des Conlong, J Smith, A Barker, M Byrne and B Frerot</i>
4.00 - 4.30 pm	Cross resistance in sugar cane to the Mexican rice borer and the sugar cane borer <i>Bill White and Jorge da Silva</i>
4.30 - 5.00 pm	General discussion – management of stemborers
Thursday 18 May	
8.30 - 12.00 am	Management of sucking pests - Bill White
8.30 - 9.00 am	Bioecology of the yellow aphid, <i>Sipha flava</i>, in sugar cane in Ecuador <i>Jorge Mendoza and Javier Junco</i>
9.00 - 9.30 am	Plant resistance studies with the sugar cane aphid on sugar cane in Louisiana <i>Gene Reagan and Waseem Akbar</i>
9.30 - 10.00 am	Basis for the management of the Colombian sugar cane spittlebug, <i>Mahanarva bipars</i> <i>Luis Gómez</i>
10.00 - 10.30 am	Coffee break
10.30 - 11.00 am	Integrated management of sugar cane white woolly aphid, <i>Ceratovacuna lanigera</i> <i>M Thirumalai, S Albert and M Krishnamurthi</i>
11.00 - 11.30 am	Soft scale, <i>Pulvinaria iceryi</i>: an important pest of sugar cane in Mauritius <i>Seelavarn Ganeshan</i>
11.30 - 12.00	General discussion – management of sucking pests
12.00 - 1.30 pm	Lunch

1.30 - 3.00 pm	Miscellaneous pests - Régis Goebel
1.30 - 2.00 pm	Sugar cane longhorn stemborer, <i>Dorysthenes buqueti</i>, and its natural enemies in Thailand <i>Pimpan Sommartya and Wiwat Suasa-ard</i>
2.00 - 2.30 pm	Preliminary investigation into the use of insecticides for the control of the sugar cane thrips <i>Fulmekiola serrata</i> in sugar cane cultivated in South Africa <i>Graeme Leslie</i>
2.30 - 3.00 pm	Termites as pests of agriculture in Pakistan <i>Farkhanda Manzoor Dugal</i>
3.00 - 3.30 pm	Coffee break
3.30 - 4.30 pm	SUMMATION AND CLOSING - Bill White
7.00 pm	Dinner
Friday 19 May Field trip – day 1	
8.30 am	Pick up from hotel, drive to a grub-infested site near Meringa, examine grub damage.
10.00 am	Visit site for weevil borer pheromone trapping, inspect pheromone traps as well as split-cane traps.
10.30 am	Visit the photoperiod facility at BSES Meringa.
11.15 am	Drive to Kuranda
12.30 pm	Lunch in Kuranda
1.30 pm	Visit the Butterfly Sanctuary
2.30 pm	Visit the Kuranda Aviary
4.00 pm	Drive back to Cairns
Saturday 20 May Field trip – day 2	
7.45 am	Pick up from hotel, drive to rainforest habitat in Port Douglas
8.45 am	Breakfast with the birds at the rainforest habitat
9.45 am	Tour the rainforest habitat
12.30 pm	Lunch in Port Douglas
1.30 pm	Free time in Port Douglas (markets etc)
3.30 pm	Drive back to Cairns