

Nut Industry Research Forum



***Mecure Hotel 85 – 87 North Quay, Brisbane
Friday, September 21st, 2012***

The third Australian Nut Industry Research Forum was held in Brisbane on the 21st September 2012. The forum was extremely well attended, with over 90 delegates from all states but Western Australia and several overseas countries (Sri Lanka, South Africa, Spain and the US). Delegates were treated with 19 presentation in the areas of Orchard Management, Crop Protection, Quality, Information, the International Nut and Dried Fruit (INC) Scientific Committee's R&D priorities, and 3 case studies from outside the nut industries that could have application and learnings for nut production. In the afternoon each of the seven Australian tree nut industries presented their short and long term R&D priorities back to the research group, and the day culminated in an interactive session where participants discussed areas of commonality across the nuts, and how collaboration on research projects and findings could be achieved.

*Please click on the **PRESENTATION TITLE** to view*

Presenter

Presentation title

Orchard management

Dr Karl J Sommer

Optimising water use of Australian Almonds production through deficit irrigation strategies

*Trevor Ranford &
Dr Jianlu Zhang*

Use of reflective mulch in Pistachio Orchards

Dr Jodi Neal

Performance of rootstocks

Dr Lisa McFadyen

Overview of macadamia canopy management project outcomes

*Drs Troy Jensen &
Alison McCarthy*

Precision agriculture technologies for the Australian nut industries

Dale Griffin

Application of the herbicide trifluralin through sub-surface drip irrigation to control root-intrusion in almonds

Crop protection

Craig Maddox

Management of lace bug in macadamia in nsw

Dr Ruth Huwer

A multi targeted approach to fruitspotting bug management

Barbara Hall

Anthracnose & Botryosphaeria in Pistachios

Dr Saul Cunningham

Bill Frost

Update on INC Scientific Committee R&D priorities

Goretti Guasch

Case Studies from other industries

Jenny Margetts

*Pollinating almonds: How many bees do you need?
Evaluation of the safety of copper formulations when applied post-flowering in almonds*

Overview of priorities, project and time for questions

Video presentations by Plant & Food Research New Zealand

Stuart Tustin, Kerry Everett & Brent Clothier

(Please contact us for copies of video presentations)

Quality

Dr Jianlu Zhang

Kim Jones

Michael Lang

Dr Danielle Le Lagadec

The Dynamic Model Provides the Best Description of the Chill Process on 'Sirora' Pistachio Trees In Australia

A predictive test for Macadamia Shelf life

Walnuts - maximising yield and quality (summary of 6 projects)

Uncovering the source of kernel brown centres in macadamia nuts

Information

Dr Chin Gouk

Paul O'Hare, Shane Mulo

*David Mayer &
Dr Russ Stephenson*

Remote monitoring and profiling of almonds stockpiles for improved storage strategies

Improving the useability of information for the Australian macadamia industry through a web-based information "bank" (known as macSmart)

Crop forecasting

Industry R&D Needs

Ross Skinner / Ben Brown

Vanessa Cox

Heather Kane

Kevin Norman

Jolyon Burnett / Robbie Commens

Chris Joyce

Michael Lang / Colin Jack

Almonds

Hazelnuts

Chestnuts

Pecans

Macadamias

Pistachios

Walnuts

Australian Nut Industry Research Forum Program
Mecure Hotel, 85 - 87 North Quay Brisbane Friday 21st September 2012

Start	Session	Presenter	Presentation title
8.30am	Registration		
8.50 am	Welcome		
	<i>Chaseley Ross</i>	Welcome and introduction	
		Objectives of the day	
9.00 am	Orchard management		
	<i>Chair - Robbie Commens</i>	Dr Karl J Sommer	Optimising water use of Australian Almonds production through deficit irrigation strategies
		Trevor Ranford & Dr Jianlu Zhang	Use of reflective mulch in Pistachio Orchards
		Dr Jodi Neal	Performance of rootstocks
		Dr Lisa McFadyen	Overview of macadamia canopy management project outcomes
		Drs Troy Jensen & Alison McCarthy	Precision agriculture technologies for the Australian nut industries
		Dale Griffin	Application of the herbicide trifluralin through sub-surface drip irrigation to control root-intrusion in almonds
		<i>Questions from floor to presenters</i>	
10.10am	Networking over morning tea		
10.40 am	Crop protection		
	<i>Chair - Ben Brown</i>	Craig Maddox	Management of lace bug in macadamia in nsw
		Dr Ruth Huwer	A multi targeted approach to fruitspotting bug management
		Barbara Hall	Anthracoese & Botryosphaeria in Pistachios
		Dr Saul Cunningham	Pollinating almonds: how many bees do you need?
		Bill Frost	Evaluation of the safety of copper formulations when applied post-flowering in almonds
		<i>Questions from floor to presenters</i>	
11.30 am	Update on INC Scientific Committee R&D priorities		
	<i>Introduction - Richard Genest</i>	Goretti Guasch	Overview of priorities, project and time for questions
11.45 am	Case Studies from other industries		
	<i>Introduction - Chaseley Ross</i>	Jenny Margetts	Video presentation put together by PFNZ
12.00 pm	Networking over lunch		

1.00 pm	Quality		
	<i>Chair - Trevor Ranford</i>	Dr Jianlu Zhang	The Dynamic Model Provides the Best Description of the Chill Process on 'Sirora' Pistachio Trees In Australia
		Kim Jones	A predictive test for Macadamia Shelf life
		Michael Lang	Walnuts - maximising yield and quality (summary of 6 projects)
		Dr Danielle Le Lagadec	Uncovering the source of kernel brown centres in macadamia nuts
		<i>Questions from floor to presenters</i>	
1.55 pm	Information		
	<i>Chair - Jolyon Burnett</i>	Dr Chin Gouk	Remote monitoring and profiling of almonds stockpiles for improved storage strategies
		Paul O'Hare, Shane Mulo	Improving the useability of information for the Australian macadamia industry through a web-based information "bank" (<i>known as macSmart</i>)
		David Mayer & Dr Russ Stephenson	Crop forecasting
		<i>Questions from floor to presenters</i>	
2.40 pm	Networking over afternoon tea		
3.10 pm	Industry R&D Needs		
	<i>Chair - Richard Genest</i>	Almonds	Ross Skinner / Ben Brown
		Hazelnuts	Vanessa Cox
		Chestnuts	Heather Kane
		Pecans	Kevin Norman
		Macadamias	Jolyon Burnett / Robbie Commens
		Pistachios	Chris Joyce
		Walnuts	Michael Lang / Colin Jack
3.50 pm	Facilitated discussion		
	<i>Facilitator - Chris Joyce</i>	Do we think more collaboration across industries is required? How might we achieve this? What does industry need to do to encourage this? What do research providers need to do to encourage this? Etc	
4.30 pm	Close		

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