



PCA

SOILLESS AUSTRALIA

Official Newsletter of the Protected Cropping Australia Industry Vol 2 / 2013
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Solutions For Sustainable Growth

12th Biennial PCA National Conference



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Front Cover:
At the PCA Conference in July, Royal Brinkman presents Frits Veenman on
1) Irrigation & drain control with weigh scales
2) Climate control with a plant temperature camera

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Solutions For Sustainable Growth

A Practical Conference For Greenhouse, Hydroponic & Aquaponic Growers

Conference Program

Sunday Afternoon 28 July

- 1-5 pm 50 Booth Trade Exhibition
- 6 pm PCA AGM
- 7 pm Moraitis Welcome Cocktails

Monday Morning 29 July

Official Opening - Plenary Lectures (single topic)

- 8 am - 5 pm Trade Expo
- Commercial Protected Cropping Application of Light & Optics
Jürgen Kleinwächter, Sunvention, Germany
- Australia's Economic Future
Dave de Garis, senior economist, NAB.
- What the supermarkets want from Protected Cropping
Daniel William, Coles

Monday Afternoon 29 July

Concurrent lectures (4 topics per session)

- Consequences of climate differences in greenhouses
Ben van Onna, Netherlands
- Biochar as a soilless media
Nick Savidov, Alberta Agriculture, Canada
- Getting the best out of your crop protection application
Scott Mathew, Syngenta
- Precision growing for sustainable greenhouse production
Andy Lee, Grodan UK
- New greenhouse air handling systems for Australia
Ben van Onna, Netherlands
- Managing sustainability performance + recycling rockwool slabs
Stuart Lambie, Grodan, UK; Tony Bundock, Chisholm TAFE
- What screens do for your plants
Ton Habraken, Svensson, Netherlands
- Climate control with drain weigh scales & plant temperature camera
Frits Veenman, Royal Brinkman, Netherlands
- Sustainable growth in a farm enterprise
Jeremy Badgery-Parker, Primary Principles
- Fundamental management of hydroponic systems
Rick Donnan, Growool Horticultural Systems
- The effectiveness of foliar feeding
Sophie Parkes, NSW DPI
- Green roofs - John Rayner, Melbourne University
- 5-6pm Tomato Levy Forum

Monday Evening 29 July

Banquet Dinner

- 7.30 pm Pre-dinner Drinks
- 8 pm Banquet Dinner



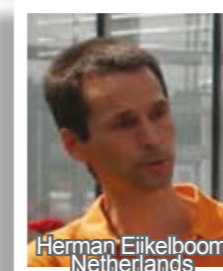
Jürgen Kleinwächter, Germany



David de Garis, NAB



Nick Savidov, Aquaponics Canada



Herman Eijkelboom, Netherlands



Rick Donnan, Growool



Frits Veenman, Royal Brinkman



Sophie Parkes, NSW DPI



Ton Habraken, Svensson, NL



Stuart Lambie, Grodan, UK



Andy Lee, Grodan, UK



Scott Mathew, Syngenta



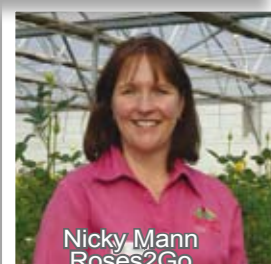
Len Tesoriero NSW DPI



Daryl Wilson Bellarine Hydroponics



Brian Ellis Brian Ellis Consulting



Nicky Mann Roses2Go



Job Roskam Roskam Young Plants



Ian Mortlock, Grower



Chris Millis Flavorite Hydroponics

Tuesday 30 July Lectures & workshops

5.30am Flowers Victoria Market Bus Tour (Optional extra)
8am-5 pm Trade Expo

Concurrent lectures (4 topics per session)

- Consequences of climate differences in greenhouses
Ben van Onna, Netherlands
- New greenhouse air handling systems for Australia
Ben van Onna, Netherlands
- Climate control with plant temperature camera
Frits Veenman, Royal Brinkman, Netherlands
- What screens do for your plants
Ton Habraken, Svensson, Netherlands
- The effectiveness of foliar feeding
Sophie Parkes, NSW DPI
- Biochar as a soilless media
Nick Savidov, Alberta Agriculture, Canada
- Getting the best out of your crop protection application
Scott Mathew, Syngenta

Specialist Crop Workshops

Fruit & Vegetable Vine Crops

- Alternative greenhouse fruit & vegetable crops
Mike Nichols, Massey University, NZ
- Practical IPM – How it works at Bellarine Hydroponics
Daryl Wilson, Bellarine Hydroponics
- Realities of upgrading greenhouse technology - Grower stories
Ian Mortlock, Jon Murphy, Chris Millis
- Irrigation strategy in substrates
Herman Eijkelboom, Netherlands

Cut Flowers

- IPM for Cut Flowers
Paul Horne, IPM Technologies
- Quarantine issues for flower imports
Rob Schwartz and Dr Kat Smith, DAFF
- Nutrient deficiency in floricultural crops
Herman Eijkelboom, Netherlands
- Plant physiology for flowers (temp, water & CO2)
Wim van der Ende, Netherlands
- Flower Q & A Forum – Panel
Eijkelboom, van der Ende, Roskam, Mann, Tesoriero, Horne

Leafy green (lettuce, herbs, Asian greens)

- Propagation Plugs For NFT Systems
Rene van der Meche, BVB
- Biological control of pythium root rot in hydroponic coriander
Len Tesoriero, NSW DPI
- NFT solution temperature management
Brian Ellis, Brian Ellis Consulting
- IPM for leafy greens
Paul Horne, IPM Technologies
- Plant factories for production and nursery
Mike Nichols, Massey University, NZ

Aquaponics

- Commercial aquaponics in Canada
Nick Savidov, Alberta Agriculture, Canada
- Australian Aquaponics - What every grower needs to know!
Paul van der Werf, Earthan Group
- Commercial aquaponics in Canada - Nick Savidov, Canada

JOIN OTHER GROWERS WHO LEARN FROM THE BEST



Tony Bundock Chisholm Institute



Jeremy Badgery-Parker



John Rayner Green Roofs



Paul Horne IPM



Mike Nichols, NZ



Paul van der Werf Integrated Aquaculture



Wilson Lennard Aquaponics



Wim van der Ende Netherlands



Aquaponics Photo by Mike Nichols

Tuesday 30 July Specialist Crop Workshops *continued*

- Aquaponics - a grower perspective
Hogan Gleeson, Urban Ecological Systems
- Aquaponics - an investor perspective
Greg Dutton, Urban Ecological Systems
- Aquaponics - Truth, Realities and Fallacies!
Wilson Lennard, Aquaponic Solutions

Wednesday 31 July Choice of 3 All day farm tours

Optional extra for delegates only - Buses return to airport by 4.30 pm

1) Flower Tour

- TNB Tulips / Tulips
- Sunny Hill Flowers / Liliium
- Joe Raudino / Delphinium, Kale & Stock
- The Big Bouquet / Gerberas

2) Veg & Leafy Greens Tour

- Mornington Peninsula Hydroponics / Frank Donato
- Chisholm Precision Growing Center
- Centre For AgriBiosciences

3) Mixed General Tour

- Bellarine Hydroponics / Anne & Daryl Wilson
- Boomaroo Nursery
- Ceres Aquaponics
- Centre For AgriBiosciences

This program is subject to change without notice



Hogan Gleeson Bluesmart Farms



Rene van der Meche Netherlands



Ben van Onna, NL & Graeme Smith

Sponsors & Exhibitors in the Trade Expo

Major Sponsor

Horticulture Australia Ltd (HAL)

Platinum Sponsors

Hortworks (Powerplants / Greenworks)
Munters
NAB Agribusiness
Royal Brinkman

Welcome Cocktails Sponsor

Moraitis Wholesale Welcome Function

Lanyard Sponsor

Way To Grow

Silver Sponsors

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Palram Australia Greenhouse Covers
Perfection Fresh Australia Wholesale

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Duralite Horticultural Supplies
EE Muir and Sons
Faber Greenhouses
FormFlex / Metazet
Goulburn Ovens TAFE (GOTAFE)
Growhard Australia Wholesale
Hortaco & Viscon Australia
John Deere Water
Kubo Greenhouse Projects
Lefroy Valley Seeds
Living Shade / Svensson
Organic Crop Protectants
Peet van Ruyen Greenhouses
Rijk Zwaan Seeds
Sustainable Liquid Technologies (SLTec)
Syngenta Australia Seeds
Trandos Hydroponic Growers
Trinog-xs (Xiamen) Greenhouse Technical Co.
Van der Hoeven Greenhouses
Yara Australia

Extra Exhibitors

Australian Contour Packaging
Austsafe Super
BOC Gas
BOM Greenhouses
Hydroponic Farmers Federation
MADEC Australia
Monsanto Australia
NSW Department Primary Industry
Paskal Greenhouse Solutions
Protected Cropping Australia
PropTec / Highsun Propagation
Redpath Ideal Greenhouses
Westland Greenhouse Projects

Farm Tour Sponsors

Flowers Victoria Market Tour
Ball Australia Farm Tour

TRADE EXPO OPEN HOURS
SUNDAY 28 JULY 1-5PM
Open to General Public & Industry
MON 29 / TUES 30 8AM-5PM
Conference Delegates Only