

# Hortgro Symposium

3 - 7 June 2019

NH The Lord Charles Hotel,  
Somerset West

Monday, 3 June 2019

Pome Fruit Field Day – To Be Confirmed

Tuesday, 4 June 2019

Crop Production Day

## Session One:

<b>08:30 – 09:00</b>	<b>REGISTRATION</b>	
09:00 – 09:10	Welcome	Hugh Campbell, HORTGRO
09:10 – 09:50	Post-election political perspective	Prof William Gumede, School of Governance at the University of the Witwatersrand
09:50 – 10:40	World water challenges and Israeli technological advances	Prof Elion Adar, Zuckerberg Institute for Water Research & Ben- Gurion University of the Negev Desert, Israel
10:40 – 11:00	Apple growing in South Tyrol	Dr Alberto Dorigoni, The Edmund Mach Foundation, Italy
11:00 - 11:10	Questions	
<b>11:10 - 11:40</b>	<b>TEA</b>	

## Session Two:

11:40 – 12:25	Management of ground water resources	Prof Elion Adar, Zuckerberg Institute for Water Research & Ben- Gurion University of the Negev Desert, Israel
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12:25 – 12:45	Managing water in a drought situation and where water quality is an issue	Francois Rossouw, Mooigezicht Farm
12:45 – 13:05	Reducing carbon emissions on farms via improved water management	Koos Bouwer, Koos Bouwer Consulting
13:05 – 13:35	Tree crop nutrition with the emphasis on managing nutrient concentrations in the root zone of the crop – influence on uptake	Stephan Schoeman, Soetkalmoes Konsultasie & Leon Horn, Netafim
13:35 – 13:45	Questions	
<b>13:45 – 14:10</b>	<b>LUNCH</b>	

### Session Three:

14:10 – 14:40	New tree training systems	Dr Alberto Dorigoni, The Edmund Mach Foundation, Italy
14:40 – 15:00	The principles of fruit set	Prof Karen Theron, Stellenbosch University
15:00 – 15:20	Effect of the extended bloom period on fruit quality	Dr Esmé Louw, Stellenbosch University
15:20 – 15:40	Plant your area full, don't grow your area full	Anton Müller, Kromco
15:40 – 15:50	Questions	

Wednesday, 5 June 2019

**Crop Protection Day**

**Session One:**

<b>08:30 – 09:00 REGISTRATION</b>		
09:00 – 09:10	Welcome	Chair
09:10 – 09:45	Analysis of the tephritid fruit fly invasion of California: Research opportunities and policy implications for South Africa	Distinguished Professor James Carey, University of California, Davis
09:45 – 10:00	Fruit fly in South Africa	Elsje Schreuder, Fruitfly Africa
10:00 – 10:20	How do you optimise the available tools to achieve the required control of fruit fly in a South African context	Tom Labuschagne, Chempac
10:20 – 10:50	Biological control of fruit fly – what's happening and what is in the pipeline	Dr Pia Addison, Stellenbosch University
10:50 – 11:10	SA plans to mitigate against the EU's proposed changes to non-EU fruit fly for stone fruit	Pierre Rossouw, Stems Fruit
11:10 – 11:20	Questions	
<b>11:20 – 11:50 TEA</b>		

**Session Two:**

11:50 – 12:50	Land Reform Panel Discussion	Chris Burgess, Landbou Weekblad
12:50 – 13:20	Pollinator safety in fruit production integrated pest management	Dr Gerhard Verdoorn, CropLife
13:20 – 13:40	Climate Change: With increasing temperatures, what is happening to pests	Dr Minette Karsten, Stellenbosch University
13:40 – 13:50	Questions	
<b>13:50 – 14:20 LUNCH</b>		

**Session Three:**

14:20 – 14:40	The MABO-dosing model as a cost effective alternative to the conventional use of the Unrath tree-row-volume model in high density apple orchards of South Africa	Philip Rebel, ProCrop
14:40 – 15:00	Spray application under nets	Gideon van Zyl, ProCrop
15:00 – 15:20	RIMPRO: Pest and disease modelling for integrated pest management	Bekker Wessels, ProCrop

Thursday, 6 June 2019

Postharvest Day

**Session One:**

<b>08:15 – 09:00</b>	<b>REGISTRATION</b>	
09:00 – 09:10	Welcome	Chair
09:10 – 09:40	Brexit and global trade issues that impact on the SA deciduous fruit industry	Stephanie van der Walt, AgBiz Fruit
09:40 – 10:10	The low-down on Eskom and power supply into the near future	Paul Nel, Aurecon Group
10:10 – 10:40	The use of plastics: Key issues, identifying where plastics are used in the fruit industry and exploring the different alternatives	Lorren de Kock, WWF
10:40 – 10:50	Questions	Chair
<b>10:50 – 11:20</b>	<b>TEA</b>	

**Session Two:**

11:20 – 11:40	Humidity control (product related) and storage of pear (minimizing moisture loss)	Frank van de Geijn, Wageningen Food & Biobased Research
11:40 – 12:00	Reasons for the variance in shrivel susceptibility of plums between cultivars, seasons and fruit	Dr Imke Kritzing, Stellenbosch University
12:00 – 12:20	Edible coatings on stone fruit	Dr Ola Fawole, Stellenbosch University
12:20 – 12:40	Stopping the rot: Stone fruit fungicide application gone bad	Arrie de Kock, Experico
12:40 – 12:50	Questions	Chair
<b>12:50 – 13:30</b>	<b>LUNCH</b>	

**Session Three:**

13:30 – 13:50	Status of postharvest fumigation for phytosanitary issues	Dr Shelley Johnson, Stellenbosch University
13:50 – 14:10	Dynamic control (all systems, starting with DCS (sampling ethanol), ethanol censoring, ending with ACR)	Frank van de Geijn, Wageningen Food & Biobased Research
14:10 – 14:30	Browning in Fuji – Role of fruit porosity	Kenias Chigwaya, Stellenbosch University
14:30 – 14:50	Mealiness in Forelle – Role of fruit porosity	Dr Elke Crouch, Stellenbosch University

14:50 – 15:10	Potential uses of Harvista™ as harvest and postharvest management tool	Dr Ian Crouch and Daniel Viljoen, ExperiCo
15:10 – 15:20	Questions	Chair

Friday, 7 June 2019

**"Fruit Farming 101 – Post-Harvest"**

**Aimed at Growers, particularly new entrants to the Deciduous Fruit industry.**

Session One:	Content	Organiser / responsible
<b>08:15 – 08:45</b>	<b>REGISTRATION</b>	
08:45 – 09:00	Welcome	
09:00 – 09:30	<b>Why does one have to store fruit – market requirements</b> Distance from the market / requirements of the trade – continuity of supply / filling marketing gaps / cold steri / fruit quality and taste / etc	Jacques du Preez and Mariette Kotze, Hortgro
09:30 – 10:10	<b>Basic principles of post-harvest</b> Fruit is a living organism / climacteric vs non climacteric / physiology / more of the why	Dr Elke Crouch, Stellenbosch University
10:10 – 10:35	What are the tools available to maintain fruit quality after harvest	Dr Elke Crouch, Stellenbosch University
10:35 – 10:45	Questions	Chair
10:45 – 11:20	<b>TEA</b>	

Session Two:	Content	Organiser / responsible
11:20 – 11:35	<b>Stone fruit disorders:</b> <u>Plums:</u> GB, IB, Shivel, Over-ripe, Heat damage, Decay. Etc	Handre Viljoen (ExperiCo)
11:35 – 11:50	<b>Stone fruit disorders:</b> <u>P&amp;N:</u> Wooliness, Pulpiness, IB, Over-ripe, Mixed maturities, Decay, etc	Arrie de Kock (ExperiCo)
11:50 – 12:00	<b>Stone fruit disorders:</b> <u>Apricots:</u> GB, Over-ripe, Shivel, Decay etc	Arrie de Kock (ExperiCo)
12:00 – 12:20	<b>Pome fruit disorders:</b> <u>Apples:</u> Scald (superficial / soft / etc), IB, Lenticel, Bruising, Ca – Bitterpit, cracking, shivel, rub marks, chilling / freezing injury, etc	Dr Ian Crouch, ExperiCo
12:20 – 12:40	<b>Pome fruit disorders:</b> <u>Pears:</u> Scald (superficial / soft / etc), IB, Bruising, , shivel, rub marks, mealiness, chilling / freezing injury, etc	Dr Ian Crouch, ExperiCo

12:40 – 12:50	Chairperson's summary and questions	Chair
12:50 – 13:30	<b>LUNCH</b>	

**Session Three: Workstations (20 minutes at station, 5 minutes to move to next station)**

13:30 – 16:00	<ol style="list-style-type: none"> <li>1. Pome Fruit Maturity Indexing – Pieter de Vries and John Stone, Hortec</li> <li>2. Stone Fruit Harvesting (MI) – Arrie de Kock (ExperiCo), Charl Stander (Franschhoek Marketing)</li> <li>3. Pome Fruit defects – Dr Elke Crouch (SU), Dr Ian Crouch (ExperiCo), Jaco Moelich (Fruitways), Henk Griessel (Tru-Cape)</li> <li>4. Stone Fruit defects – Dr Olaniyi Fawole (SU) with assistance from Arrie de Kock (ExperiCo)</li> <li>5. Taste / Sensory &amp; Eating quality – Anel Botes (ARC)</li> <li>6. ID Station: bring your problem fruit – Dr Elke Crouch (SU), Dr Ian Crouch (ExperiCo), Jaco Moelich (Fruitways), Henk Griessel (Tru-Cape)</li> </ol>
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