

SUNDAY 23 AUGUST 2026

09:30	Golf Day Registration @ 09:30 Golf Starts @ 10:00	Proudly sponsored by 
14:00 - 18:00	Registration at Hotel	
18:30	Welcome & Dinner	Proudly sponsored by 

MONDAY 24 AUGUST 2026

07:30 - 08:00	Registration
---------------	--------------

SESSION 1 - INTRODUCTORY SESSION

Chairman: Piet Smit

08:00 - 08:20	Reflections on Macroeconomic conditions, agricultural performance, and policy dynamics <u>Wandile Sihlobo</u>	44
08:20 - 08:40	Avima – Benchmarking a better future <u>Jeanne Volschenk</u>	45
08:40 - 09:00	South Africa and The Netherlands, strong relationship in a changing world <u>Richard Schouten</u>	47
09:00 - 09:20	EU policy and regulatory trends restricting the range of chemical crop protection products available to South African citrus producers <u>Rocco Renaldi</u>	48
09:20 - 09:40	The importance of organised structures in the citrus industry <u>Etienne Rabe</u>	49
09:40 - 10:00	Return on investment into research through the value realised by gaining, retaining and optimising market access for southern African citrus <u>Vaughan Hattingh</u> , Elma Carstens and Kandas Cloete	50
10:00 - 10:40	TEA/COFFEE + POSTER VIEWING Sponsored by our Silver sponsors	

SESSION 2 – INTEGRATED PEST MANAGEMENT - FCM & FRUIT FLY

Chairpersons: Tammy Marsberg & Aruna Manrakhan

10:40 - 10:55	The FCM systems approach - a success story: looking back and forwards <u>Sean Moore</u> , Elma Carstens and Vaughan Hattingh	52
10:55 - 11:10	Successful preharvest FCM suppression: a 26-year journey to the present <u>Tammy Marsberg</u> , Sean Moore, Wayne Kirkman, Mellissa Peyper, Luke Cousins, Wimpie Meyer and Nevill Boersma	53
11:10 - 11:25	Assessing false codling moth carry-over risk from discarded citrus fruit <u>Oliver Harvey</u> , Candice Coombes, Martin Hill and Sean Moore	55
11:25 - 11:40	Strengthening FCM control with improved biopesticides <u>Michael Jukes</u> , Siyabonga Phoswa, Tadiwa Kambani, Siviwe Tole, David Taylor, Siyolise Nkwelo, Raletoko Manamela, Caroline Knox, Sean Moore and Martin Hill	56
11:40 - 11:55	Finding an FCM female attractant for improved monitoring and control: identifying potentially attractive volatiles <u>Adam Shuttleworth</u> , Annemarie Heiduk, Steve Johnson, Sean Moore, Risuna Mavasa, Mellissa Peyper, Luke Cousins, Marcel van der Merwe, Charmaine Mabena and Candice Coombes	57
11:55 - 12:10	Development of new tools for management of fruit flies in citrus <u>Aruna Manrakhan</u> , Pia Addison, Francois Bekker, John-Henry Daneel, Leani Serfontein, Wayne Kirkman, Sean Moore and Clarke van Steenderen	58
12:10 - 12:25	Considerations for the use of male annihilation technique for oriental fruit fly (<i>Bactrocera dorsalis</i>) control <u>Christopher Weldon</u> and Aruna Manrakhan	60
12:30 - 13:30	LUNCH Proudly sponsored by 	

SESSION 3 – DISEASE MANAGEMENT: GRAFT TRANSMISSIBLE DISEASES AND HLB

Chairpersons: Glynnis Cook & Rachelle Bester

13:30 - 13:45	A firm foundation; down-the-line benefits of pathogen-free citrus propagation <u>Glynnis Cook</u> , Kobus Breytenbach, Rochelle de Bruyn, Chanel Steyn, Muriel Mathebula and Paul Fourie	61
13:45 - 14:00	Beyond known pathogens: How high-throughput sequencing is improving citrus certification <u>Rachelle Bester</u> , Casey Gill, Chanel Steyn, Kobus Breytenbach, Glynnis Cook and Hano Maree	65
14:00 - 14:15	Improving confidence in citrus virus and viroid diagnostics through optimised RNA extraction <u>Madelein Dippenaar</u> , Hano Maree and Rachelle Bester	66

14:15 - 14:30	Impact of citrus viroids on Midnight Valencia on a rootstock range <u>Kobus Breytenbach</u> , Chanel Steyn, Muriel Rikhotso and Glynnis Cook	67
14:30 - 14:45	CRI's HLB research programme: overview and key advances (2024–2026) <u>Hano Maree</u>	68
14:45 - 15:00	‘<i>Candidatus Liberibacter africanus</i>’ subsp. clausenae causes citrus greening in East Africa but not southern Africa; a need to distinguish and detect <u>Muriel Rikhotso</u> , Raynold Moagi, Tamzin Griffith, Evans Mauda, Joseph Ruboha, Hano Maree and Glynnis Cook	70
15:00 - 15:15	Tracking the spatial and temporal distribution of ‘<i>Candidatus Liberibacter africanus</i>’ <u>Shannon Goodchild</u> , Rachelle Bester, Casey Gill and Hano Maree	71
15:15 - 16:00	TEA/COFFEE + POSTER VIEWING Sponsored by our Silver sponsors	
SESSION 4 - CITRICULTURE: PRODUCTION AND FRUIT QUALITY Chairperson: Pieter Raath		
16:00 - 16:15	Thinning strategies to improve fruit quality in mandarin cultivars <u>Heinrich Geldenhuys</u> , Nanje Naude, and Pieter Raath	73
16:15 - 16:30	Exploring <i>Citrus</i> rootstocks and the use of SSR for confirming ‘off-type’ seedling identification <u>Johane Nieman</u> , Chanel Steyn and Glynnis Cook	74
16:30 - 16:45	Nutrient partitioning of Nadorcott mandarin (<i>Citrus reticulata</i> Blanco) trees <u>Pieter Raath</u> , Charnay van der Merwe and Ailsa Hardie	75
16:45 - 17:00	Assessment of pre-harvest particle film and silica treatments for sunburn mitigation in ‘Nadorcott’ mandarin <u>Heinrich Geldenhuys</u>	76
17:00 - 17:15	Citriculture research contribution to improved climate resilience <u>Paul Cronje</u>	78
18:00 for 19:00	HAPPY HOUR & STREET FOOD FESTIVAL Proudly sponsored by  	
TUESDAY 25 AUGUST 2026		
07:30 - 08:00	Registration	
SESSION 5 - BIOSECURITY AND HLB Chairpersons: Hano Maree & Paul Fourie		
08:00 - 08:30	Keynote: Citrus Huanglongbing (HLB) contingency plan for Europe and prospects of biotechnological advances towards an HLB solution <u>Leandro Peña</u>	79
08:30 - 08:50	Prevent, detect, respond: strengthening biosecurity systems <u>Jan-Hendrik Venter</u>	81

08:50 - 09:10	Lessons learnt from the HLB + ACP preparedness measures by Californian citrus nurseries <u>Roger Smith</u>	82
09:10 - 09:30	CRI's Biosecurity division, from 2015 to 2026 and beyond <u>Paul Fourie</u> , Wayne Kirkman, Elma Carstens and Vaughan Hattingh	83
09:30 - 09:45	Survey of <i>Diaphorina</i> and <i>Trioza</i> spp. and their associated Liberibacters in Tanzania <u>Joseph Ruboha</u> , Muriel Mathebula, Rochelle de Bruyn, Evans Mauda, Glynnis Cook, Wayne Kirkman, Maulid Mwatawala, Paul Fourie and Hano Maree	84
09:45 - 10:00	<i>Diaphorina citri</i>: genetic diversity and invasion history into Africa <u>Rochelle de Bruyn</u> , Evans Mauda, Hano Maree, Joseph Ruboha, Wayne Kirkman and Glynnis Cook	86
10:00 - 10:40	TEA/COFFEE + POSTER VIEWING Sponsored by our Silver sponsors	
SESSION 6 – CITRICULTURE: CULTIVAR AND ROOTSTOCK Chairperson: Paul Cronje		
10:40 - 11:10	Keynote: Citrus breeding at CREA, Italy: motivation and future opportunities <u>Marco Caruso</u>	87
11:10 - 11:25	Valencia cultivar choices – Not a lottery <u>Johan Joubert</u> , Paul Cronje and Werner Swiegers	90
11:25 - 11:40	Choosing the right navel, early- to late-maturing options for Eastern Cape <u>Werner Swiegers</u> , Siphuxolo Malemane, Paul Cronje and Johan Joubert	91
11:40 - 12:00	The Product Development Cycle: The life of a citrus cultivar <u>Graham Barry</u>	92
12:00 - 12:30	Cultivar/Rootstock Q&A and Cultivar display	
12:30 - 13:30	LUNCH	
SESSION 7 – DISEASE MANAGEMENT: POSTHARVEST DISEASES Chairpersons: Wilma du Plooy & Meagan van Dyk		
13:30 - 13:45	Efficacy of postharvest sanitisers in chem-free citrus packing lines <u>Meagan van Dyk</u> and Hanli Kellerman	94
13:45 - 14:00	Postharvest application of sanitisers for sour rot control <u>Hanli Kellerman</u> and Meagan van Dyk	95
14:00 - 14:15	Postharvest disease control on mandarins: The role of rind phytochemistry in packhouse green mould control Jean Hakizimana, Wilma du Plooy and <u>Quenton Kritzinger</u>	97

14:15 - 14:30	Pre- and post-harvest management of Colletotrichum anthracnose on Citrus <u>Minette Havenga</u> , Danae Stoltz, Siyethemba Masikane, Matthew Webber, Lizel Mostert, Jan van Niekerk and Francois Halleen	100
14:30 - 14:45	Essential oils provide a non-chemical option for the control of Phytophthora brown rot of citrus <u>Charles Stevens</u> and Jan van Niekerk	101
14:45 - 15:00	Evaluation of low-cost treatment systems for fungicide removal from citrus packhouse wastewater <u>Nichole Nel</u> and Adele Bosman	102
15:00 - 15:15	Contribution of dust abatement in citrus production and postharvest disease management <u>Lindokuhle Mamba</u> and Wilma du Plooy	104
15:15 - 16:00	TEA/COFFEE + POSTER VIEWING Sponsored by our Silver sponsors	
SESSION 8 – INTEGRATED PEST MANAGEMENT - FRUIT FLY (CONTINUED), HLB VECTORS, MITES, IPM PESTS & SYSTEMS Chairpersons: Davina Saccaggi & Hano Maree		
16:00 - 16:15	<i>Bactrocera dorsalis</i> (Hendel) (Diptera: Tephritidae) population fluctuations in a mixed production landscape in North-West province, South Africa <u>Dylan Pullock</u> , Aruna Manrakhan, Gulu Bekker and Christopher Weldon	105
16:15 - 16:30	Enhancing Oriental fruit fly control using a parasitoid <u>Tertia Grové</u> , Tebogo Mailula, David Simelane and Aruna Manrakhan	107
16:30 - 16:45	To trap or not to trap: early detection monitoring of HLB and its associated vectors <u>Evans Mauda</u> , Raynold Moagi, Ludzula Mukwevho, and Martin Hill	108
16:45 - 17:00	Conserving naturally occurring parasitoids could improve the biological control of Huanglongbing (HLB) psyllid vectors in citrus environments <u>Raynold Moagi</u> , Guy Sutton, Evans Mauda and Martin Hill	109
17:00 - 17:15	Hidden diversity in <i>Brevipalpus</i> mites: implications for South African citrus <u>Davina Saccaggi</u>	110

17:15 - 17:30	Diagnostics made simple: identifying arthropod damage, psyllids and fruit flies <u>Pia Addison</u> , Welma Pieterse, Evans Mauda, Leani Serfontein and Aruna Manrakhan	112
17:30 - 17:45	Bat diversity and activity across citrus production landscapes in the Soutpansberg foothills: implications for ecosystem services and natural pest control <u>Lourens Swanepoel</u> , Thakgatso Manamela, Ipinge Ndelimona, Dawn Cory Toussaint, Khavheli Thivheleli and Sean Moore	113
19:00	DINNER Proudly sponsored by 	
WEDNESDAY 26 AUGUST 2026		
07:30 - 08:00	Registration	
KEYNOTE: EXTENSION Chairperson: Sean Moore		
08:00 - 08:15	Keynote: The strategic role of extension services in the Southern African citrus industry <u>MC Pretorius</u>	115
SESSION 9 - DISEASE MANAGEMENT: FRUIT AND FOLIAR WITH CBS Chairpersons: Jacquie van der Waals and Providence Moyo		
08:15 - 08:30	Validation of CRI-PhytRisk and risk-based management approaches for citrus black spot Régis Oliveira Fialho, Paul Fourie, <u>Providence Moyo</u> , Jan van Niekerk and Geraldo José Silva Junior	116
08:30 - 08:45	Detection of the F129L mutation in <i>Phyllosticta citricarpa</i> and implications for citrus black spot management <u>Providence Moyo</u> , Emeldah Baloyi, Rachelle Bester, Paul Fourie, Chanel Steyn and Glynnis Cook	117
08:45 - 09:00	A fast, cost-effective test for the F129L mutation in <i>Phyllosticta citricarpa</i> aimed at improved citrus black spot management Providence Moyo, <u>Emeldah Baloyi</u> and Rachelle Bester	118
09:00 - 09:15	Blossom-associated fungi and the occurrence of rind distortion in Eureka lemon <u>Streicher Claassens</u> , Lizel Mostert, Paul Fourie and Jacquie van der Waals	120
09:15 - 09:30	Infection of Eureka lemon blossoms by <i>Botrytis cinerea</i> and validation of the PhytRisk Botrytis infection model <u>Mariechen van Baalen</u> , Jacquie van der Waals, Cheryl Lennox, Minette Havenga, Paul Fourie and Lizel Mostert	121

09:30 - 09:45	Genotypic diversity and fungicide sensitivity of <i>Botrytis cinerea</i> isolates from South African lemon orchards Nhlonipho Ngubane, David Nsibo, Jan van Niekerk and <u>Jacque van der Waals</u>	125
09:45 - 10:00	Sensitivity of <i>Colletotrichum</i> spp. isolates associated with anthracnose of <i>Citrus</i> spp. in Europe to three different chemical groups of fungicides Greta Dardani, Giuseppe Pichierri, Ilaria Martino, Davide Spadaro, Jan van Niekerk and <u>Vladimiro Guarnaccia</u>	126
10:00 - 10:40	TEA/COFFEE + POSTER VIEWING Sponsored by our Silver sponsors	
SESSION 10 – INTEGRATED PEST MANAGEMENT - IPM PESTS AND SYSTEMS Chairpersons: Evans Mauda & Steffan Hansen		
10:40 - 11:00	Keynote: Implementing IPM in export citrus: possibilities and impediments <u>Sean Moore</u>	127
11:00 - 11:15	The bottom-line benefit of IPM over conventional pest management <u>Kandas Cloete</u> , Sean Moore and Sonnica van Niekerk	128
11:15 - 11:30	A holistic approach to thrips management <u>Luke Cousins</u> , Tapiwa Mushore, Tamryn Marsberg, Mellissa Peyper, Mellissa Peyper Kurhula Lufhondo, Sean Moore and Martin Hill	130
11:30 - 11:45	Development of parasitism-related intervention thresholds for the management of red scale on citrus <u>Vhuawelo Simba</u> , Sean Moore and Martin Hill	131
11:45 - 12:00	The hidden influences on mealybug biocontrol – what are they and what do we do? <u>Tapiwa Mushore</u> , Sean Moore, Luke Cousins, Wayne Mommsen, Emiel van Son, Vhuawelo Simba, Davina Saccaggi, Njabulo Mngomezulu, Tamryn Marsberg, Mellissa Peyper, Sinazo Nkomo, Tshepang Makitla and Martin Hill	133
12:00 - 12:15	Seasonal phenology of mealybug pest species and their associated parasitoids in grapefruit orchards <u>Leani Serfontein</u> , Tamzin Griffith, Phindile Rikhotso and Aruna Manrakhan	134
12:15 - 12:30	Investigation into post-harvest management strategies for mealybugs on citrus <u>Steffan Hansen</u> , Leani Serfontein, Evans Mauda, Deric Tanka, Renaté Smit, Shelley Johnson, Reynard Mutamiswa, Candice Coombes, Sean Moore, Martin Hill and Aruna Manrakhan	136

12:30 - 13:30

LUNCH

Proudly sponsored by


REEMOON SA
SESSION 11 – DISEASE MANAGEMENT: FRUIT AND FOLIAR AND SOILBORNE DISEASES

Chairpersons: Jan van Niekerk & MC Pretorius

13:30 - 14:00

Keynote: What to do with a perfect parasite?
Larry Duncan

138

14:00 - 14:15

The status of nematode communities in rhizospheres of citrus trees that differ in decline status
MC Pretorius, Adele McLeod, Hendrieka Fourie and Mieke Daneel

139

14:15 - 14:30

Novel oomycide uptake by citrus rootstocks and effects on induced resistance for sustainable control of *Phytophthora* root rot
Lize Rostoll, Jason McNeil, Jan van Niekerk, Madelein Wooding and Jacque van der Waals

140

14:30 - 14:45

Using visible–NIR hyperspectral imaging for early detection and management intervention of citrus decline
Paul-Henri Lombard, Pieter Williams, Mhlali Badiwe, Lindy Rose, Jacque van der Waals and Jan van Niekerk

142

14:45 - 15:00

Efficacy of different water sanitisers for the elimination of *Phytophthora nicotianae* propagules from irrigation water in citrus nurseries

Holly Mellin, Mhlali Badiwe and Jan van Niekerk

143

15:00 - 15:15

The effect of shade nets on the prevalence of *Alternaria* brown spot and core rot disease of citrus in South Africa
Vernon Jacobs, Francois Halleen, Minette Havenga, Providence Moyo, Jan van Niekerk and Lizel Mostert

144

15:15 - 15:45

TEA/COFFEE + POSTER VIEWING

Sponsored by our Silver sponsors

SESSION 12 – POSTHARVEST AND COLD CHAIN

Chairpersons: Paul Cronjé and Tarl Berry

15:45 - 16:00	Cold by Design: Engineering thermal control for citrus exports <u>Tarl Berry</u> , Stefaans Erasmus, Marcel Steyn, Come Coetzee and Paul Cronje	145
16:05 - 16:20	The effect of damage on citrus cartons <u>John Jones</u> , Tarl Berry and Ronald Stambul	147
16:20 - 16:35	Cooling Out of Order: chilling injury, preconditioning and arrival order in citrus cold store <u>Tarl Berry</u> , Marli Klein, Eugene Sadie, Jeanri Gerber, Louis Low and Paul Cronje	148
16:35 - 16:50	Long-term storage of Nadorcott: impact of maturity and cold storage <u>Hanno van Zyl</u> , Marli Kleyn and Paul Cronje	150
16:50 - 17:05	Impact of waxes on citrus fruit quality during cold shipment <u>Paul Cronje</u> , Nicola Kirsten and Andrea Slabber	151

17:05 - 17:25

SESSION 13 - CLOSING AND AWARDS - WAYNE MOMMSEN

18:15	Gin Pre-drinks & Photo Opportunity	Proudly sponsored by  ClemenGold Citrus at its best!
18:30 for 19:00	Gala Dinner Proudly sponsored by 	Entertainment sponsored by  MAF RODA AGROBOTIC Visionary engineering

POSTERS

IPM 1	Investigation into the ideal trapping density to monitor false codling moth in citrus <u>Nomhle Ndhlovu</u> , Steffan Hansen, Sean Moore and Vaughn Swart	152
2	Influence of temperature on pheromone release from various FCM mating disruption products <u>Annemarie Heiduk</u> , Adam Shuttleworth, Steve Johnson, Mellissa Peyper, Luke Cousins and Sean Moore	153
3	Effects of overflooding ratios on fruit damage and population growth of <i>Thaumatotibia leucotreta</i> Michael Githae, <u>Candice Coombes</u> , Reyard Mutamiswa, Sean Moore and Martin Hill	155
4	The effect of botanical compounds on false codling moth behaviour in citrus: attractancy and repellency Charmaine Mabena, Martin Hill, Sean Moore and <u>Candice Coombes</u>	156
5	The development and demonstration of entomopathogenic nematode <i>in vitro</i> liquid and solid mass production protocols <u>Murray Dunn</u> , Antoinette Malan and Pia Addison	158
6	Intercrop migration of false codling moth (<i>Thaumatotibia leucotreta</i>) and carob moth (<i>Ectomyelois ceratoniae</i>) between citrus and pecan orchards Gary Edwards, <u>Vaughn Swart</u> and Sean Moore	159
7	Comparative cold susceptibility of FCM larvae in different citrus types and in artificial diet <u>Mellissa Peyper</u> , Sean Moore, Tamryn Marsberg, Wayne Kirkman, Luke Cousins, Marcel van der Merwe, Sonnica van Niekerk and Vaughan Hattingh	160
8	Exploring yeasts as novel attractants for fruit flies and beyond <u>Marcel van der Merwe</u> , Caroline Knox, Aruna Manrakhan, and Martin Hill	161
9	Smarter spraying for Medfly: a decision support system to reduce pesticide applications in citrus <u>Pia Addison</u> , Francois Bekker, Anderson Lombard and Aruna Manrakhan	162
10	Effects of fruit disposal practices on the control of <i>Ceratitis capitata</i> (Diptera: Tephritidae) and <i>Thaumatotibia leucotreta</i> (Lepidoptera: Tortricidae) <u>Ludzula Mukwevho</u> , Akani Mabaso, Wandile Mabuza, Sean Moore and Aruna Manrakhan	164
11	Differentiating fruit fly pests from non-target fruit fly species in attractant-based monitoring systems <u>John-Henry Daneel</u> and Aruna Manrakhan	165
12	The economic and environmental architecture of fruit fly management in South African citrus <u>Kandas Cloete</u> , Aruna Manrakhan, Guy Sutton and Elma Carstens	168
13	Evaluating the effectiveness of Spinosad-based bait formulations for fruit fly control, in ground vs. unmanned aerial vehicle (drone) application <u>Tshepang Makitla</u> , Steffan Hansen and Aruna Manrakhan	169
14	Host specificity testing of the parasitoid, <i>Fopius arisanus</i>, imported for biological control of Oriental fruit fly, <i>Bactrocera dorsalis</i> Tebogo Mailula, <u>Tertia Grové</u> , David Simelane and Aruna Manrakhan	170

POSTERS

IPM continued 15	Providing shelter: a novel way of surveying mites <u>Emiel van Son</u> and Davina Saccaggi	171
16	Detecting citrus feeding in psyllids using gut content and electrical penetration graph (EPG) technology <u>Tamzin Griffith</u> , Raynold Moagi and Evans Mauda	173
17	Implementation and improvement of an automated psyllid identification system for monitoring HLB vectors in citrus in South Africa Clarke van Steenderen, Xolani Sibiyi, Fortunate Nkambule, Evans Mauda, Wayne Kirkman, Christopher Weldon, Dylan Pullock, <u>Aruna Manrakhan</u>	174
18	Assessment of the impact of structural breaches in HLB-safe nurseries using the African citrus trioza as a model organism Kevin Malod, Evans Mauda, Aruna Manrakhan and <u>Christopher Weldon</u>	176
19	Cold tolerance and disinfestation efficacy in three economically important citrus mealybug species <u>Deric Tanka</u> , Reyard Mutamiswa, Candice Coombes, Sean Moore and Martin Hill	177
20	Impact of indigenous vegetation adjacent to citrus orchards on pest populations, natural enemies and biodiversity mediated ecosystem services <u>Shaun Manzini</u> , Reyard Mutamiswa, Sean Moore and Martin Hill	178
Citriculture 21	A new rootstock seed treatment protocol <u>Jacolene Meyer</u> , Mpaballeng Mlangeni, Micheal Nell, Michelle le Roux and Paul Fourie	180
22	Establishing citrus phenological development across three climatic regions of South Africa <u>Heinrich Geldenhuys</u> , Nanje Naude and Pieter Raath	181
23	Rootstock choice: relevant difference between three trifoliolate options <u>Johané Niemann</u> and Paul Cronjé	183
24	Effect of increased Gibberellic acid use on 'Midnight' Valencia <u>Marli Kley</u> , Renata Dreyer and Paul Cronje	184
25	To what extent can surface-applied granulated micro-fine limestone, biochar, wood ash, or normal dolomitic limestone alleviate subsoil acidity in sandy loam soil? <u>Pieter Raath</u> , Ailsa Hardie and Ruben Bod	185
26	Comparative analysis on rootstock options for lemons in the hot-dry Hoedspruit area (Limpopo province) <u>Anam Xapa</u> and Johan Joubert	186
DM 27	The effect of cover crops on suppression of <i>Phytophthora nicotianae</i> and subsequent <i>Tylenchulus semipenetrans</i> shifts in citrus orchards Tuelo Motloba, Randy Khoza, Tshimangadzo Ramakuwela, Jarishma Gokul and <u>Khumbuzile Bophela-Dimpe</u>	187
28	Modelling the disease impact of Alternaria Brown Spot in South African citrus under climate change scenarios Angelique de Wet, Dan Bebbber, Paul Fourie, and <u>Jacque van der Waals</u>	188

POSTERS

29	The susceptibility sleuth: screening mandarin cultivars for <i>Alternaria</i> Brown Spot susceptibility Lisa Botha, Rachelle Bester, Johan Joubert and <u>Jacquie van der Waals</u>	189
30	Developing '<i>Candidatus Liberibacter africanus</i>' positive hairy root cultures for the screening of therapeutics <u>Matt Brittz</u> , Paul Hills, Rachelle Bester and Hano Maree	190
31	Survey of citrus scab caused by <i>Elsinoë fawcettii</i> in different citrus production regions of South Africa <u>Pieter van der Walt</u> , Elma Carstens, Minette Havenga and Lizel Mostert	191
32	Co-infection dynamics of '<i>Candidatus Liberibacter africanus</i>' and citrus tristeza virus in Madam Vinous <u>Casey Gill</u> , Hano Maree and Rachelle Bester	192
33	Fungicide sensitivity and molecular resistance of <i>Alternaria</i> species associated with <i>Alternaria</i> brown spot and <i>Alternaria</i> core rot disease of citrus in South Africa <u>Vernon Jacobs</u> , Francois Halleen, Minette Havenga, Providence Moyo, Jan van Niekerk and Lizel Mostert	193
34	Soil health and microbial community dynamics associated with Valley Bushveld Decline in citrus orchards <u>Paul-Henri Lombard</u> , Mhlali Badiwe, Jacquie van der Waals, Lindy Rose, and Jan van Niekerk	196
35	Phytosanitary survey of fruit and leaf pathogens of <i>Citrus</i> spp. in Europe, and identification of <i>Colletotrichum</i> species <u>Greta Dardani</u> , Giuseppe Pichierri, Ilaria Martino, Davide Spadaro, Jan van Niekerk and Vladimiro Guarnaccia	198
36	Factors Influencing the Performance of Biological Control Agents Against Citrus Soilborne pathogens <u>Stefni van der Walt</u> , Mhlali Badiwe, Lindy Rose and Jan van Niekerk	199
37	Reactive oxygen species metabolism in citrus rootstock seedlings exposed to combined bicarbonate salt stress and <i>Neocosmospora solani</i> infection <u>Mhlali Badiwe</u> and Jan van Niekerk	201
38	Investigation into the value of chitosan as a postharvest remedy for citrus, and in the reduction of fungicide residues <u>Wilma du Plooy</u> , Zandile Rankwe and Obiro Wokadala	202
39	<i>Trichoderma</i> spp.-based biological control products – not all are equal <u>Jan van Niekerk</u>	204
40	Shade netting has a limited impact on nematode populations in citrus soils <u>Chris Spies</u> , Esihle Gcanga, Jan van Niekerk and Mariette Marais	206
Biosecurity 41	Current status and surveillance of <i>Xylella fastidiosa</i> in South Africa <u>Emily Munganga</u> and Simphiwe Mnguni	207
Market Access 42	Science based market access: The role of pest lists <u>Lizeth Swart</u> , Elma Carstens and Vaughan Hattingh	209