





## PROGRAMME

	TUESDAY, 19 J	ULY 2022		
09:15	Bus 1 departures from Cape Town International Airport to Club Mykanos			
09:45	Bus 2 departures from Cape Town International Airport to Club Mykanos			
09:00-11:30	Registration	~ Athene Conference v	~ Athene Conference venue	
11:30 - 11:4	5 OPENING	~ Athene Conference ve	enue	
Welcoming		André Coetze	André Coetzee	
		(Chairperson: Potat	toes SA	
		Research Commi	ttee)	
Scriptures and prayer Albert de Villier		rs		
11:45 - 12:50	D SESSION 1	~ Session leader: PJ Nell		
	Potato Potenti	al		
Future Trends		Dirk Uys		
Main Sponsor:		Cullen Botes		
Leading progre	ession in agriculture	<b>WINFIELD</b> <sup>°</sup> South Africa		
Potato cultivar identification in South Africa using a custom SNP panel Dr Ing		m SNP panel Dr Inge Gazendam	p.1	
Effect of fungicide application on potato cultivars at Cedara		ra James Arathoon	p.2	
12:50 – 13:50 LUNCH ~ Cape Town Fish Market			Market	





	ssion leader: Damien	da Cal
Risk management: Soilborne diseases	_	
Keynote speaker: A quarter century of research: How have you benefitted?	Prof Jacquie van der Waals	p.3
A survey to investigate the casual organisms involved with potato early dying in the Limpopo Province	Dr Estianne Retief	p.4
Control strategies for potato early dying in the Limpopo Province	Dr René Sutherland	p.5
Eastern Free State cultivar trial under dryland conditions at Reitz under dryland	Enrike Verster	p.6
Western Free State cultivar trial under irrigation at Bultfontein	Fanus van Zyl	p.14
<b>Power session:</b> Evaluation of biological control agents to suppress Spongospora subterranea f. sp. subterranea root galling: Preliminary results	Erika Botha	P.21
<b>Power session:</b> Studies on the antagonistic and inhibitory effects of yeast species and melatonin on <i>Alternaria solani</i> and <i>Fusarium oxysporum</i> of potato	Londeka Mbatha	p.22
15:30 – 16:00 Refreshments	~ Athene Conferenc	e venue
information technology redefined 16:00 - 17:40 SESSION 3 ~ Second		
Yield limitations	ession leader: Ané Au	camp
Evaluation of the water and energy use efficiencies of different irrigation		
systems used for potato	Prof Martin Steyn	pp.23
Facilitating the implementation of irrigation scheduling		&24
Development of region-specific crop rotation programmes for the Eastern Free State: An outlook, a five-year review	Mandla Sibiya	
The importance of groundwater monitoring for potato cultivation in the Sandveld Region	Julian Conrad	p.25
KwaZulu-Natal cultivar trial under irrigation at Greytown		p.25 P.26
	Louis Pretorius	
Power session: Effect of water stress and soil texture on growth, yield, and	Cypriel	P.26
		P.26
<b>Power session:</b> Effect of water stress and soil texture on growth, yield, and quality attributes of potatoes ( <i>Solanum tuberosum L.</i> ): Preliminary results	Cypriel Hlatshwayo	P.26
<b>Power session:</b> Effect of water stress and soil texture on growth, yield, and quality attributes of potatoes ( <i>Solanum tuberosum L.</i> ): Preliminary results <b>Gold Sponsor:</b> Corteva	Cypriel Hlatshwayo Stephan Marais	P.26





## **Corteva Kartoffel Fest**

Place: Kapstadt Brauhaus

Time: 18:30 for 19:00



	WEDNESDAY, 20 JULY 2022			
06:30 - 07:30	BREAKFAST	~ Kapstadt Brauhaus		
07:30 - 09:30	SESSION 4	Session leader: Soreen	Gouws	
	OPTIMISING POTATO POTENTIAL			
Keynote speaker:		Prof Martin Steyn	p.35	
Water and nutrient use effiecie	•	and Alex Mukiibi	•	
•	ion sustainability in the Western Free rrient use efficiencies on sandy soils	Stefan Steenekamp	p.36	
Potato ( <i>Solanum tuberosum</i> ) re temperature	sponses to elevated carbon dioxide and	Simon Kiongo	p.37	
Conservation farming practices	for potato production in the Sandveld	Dr Jacques van Zyl	p.38	
Succession of nematodes in an	Eastern Free State potato rotation	Dr Marriette Marais	p.39	
South Western Free State cultiv	var trial under irrigation at Petrusburg	Johan Odendal	p.40	
Eastern Free State cultivar trial	under irrigtion at Oranjeville	Enrike Verster	p.48	
<b>Power session:</b> Using a superable the water use efficiency of pota	osorbent biopolymer (Zeba™) to improve atoes in the Sandveld	Lomé Smit	p.55	
09:30 - 10:00	Refreshments	~ Athene Conference	e venue	
	Network sessions by			
ALLIANCE information technology redefined				





10:00 – 12:40 SESSION		Session leader: Anje E	rasmus
Risk manageme	ent: Diseases		
<b>Gold Sponsor:</b> Adama Nimitz, revolutionary nematode control		Schalk van der Merwe	
		ADAMA	
<b>Panel discussion</b> : Suitability of covercrops and cronematodes in potatoes	op rotation in managing	Prof Kgabo Pofu Dr Mieke Daneel Prof Driekie Fourie	pp.56 & 57
A new perspective on the <i>Fusarium</i> population ca in the Free State	ausing dry rot of potato	Dr Mariette Truter	p.58
Diversity of the black dot pathogen and plant-par Limpopo Province	asitic nematodes in the	Dr Mariette Truter	p.59
Developing rapid screening techniques to evaluat bacterial soft rot and Fusarium dry rot on potato	-	Dr Reinette Gouws- Meyer	p.60
Limpopo cultivar trial under irrigation at Tom Bur	ke	Schalk Grobbelaar	p.61
Limpopo cultivar trial under irrigation at Dendror	1	Chantel du Raan	p.69
Disentangling shifts in the soil microbiome of pot <i>Rhizoctonia solani</i> in the KwaZulu-Natal region of		Sasha-Lee Gush	p.76
<b>Power session:</b> The effect of different crop rotation suppression of important soil-borne fungal pathors study in the Eastern Free State	-	Angelique de Wet	p.77
<b>Power session:</b> Integrated control of postharvest potato using melatonin, ozone and edible coating		Gcinokuhle Buthelezi	p.78
Take-home message: Yield Potential		Dirk Uys	
12:40– 13:30 LUI	NCH	~ Cape Town Fish	Market
13:30 – 15:10 SESSI	ON 6 ~ Sess	sion leader: Santa Bror	khorst
Risk manager			
Gold Sponsor: Network alliance		Raymond Wright	
		A L L I A N C E information technology redefined	
Susceptibility evaluation of <i>Phthorimaea opercula</i> (Lepidoptera: Gelechiidae) to selected insecticide		Prof Hannalene du Plessis	p.79
<b>Power session</b> : Susceptibility evaluation of <i>Phtho</i> (Zeller) (Lepidoptera: Gelechiidae) to selected ins	•	Tayla Swanepoel	p.80
Investigation into control strategies of the potato tillage	leafminer through	Dr Diedrich Visser	p.81
Northern Cape cultivar trial under irrigation at Do	ouglas	André Prins	p.82





Ceres cultivar trial under irrigtion in the Koue Bokkeveld		Gerard Mostert	p.89
Take-home message: insects		Dirk Uys	
15:10 - 15:40	REFRESHMENTS	~ Athene's Conference	e venue
15:40 - 18:00	SESSION 7	~ Session leader: FP C	oetzee
	RISK MANAGEMENT: DISEASES	-	_
Gold Sponsor: Burika		Regardt Joubert	
Large scale testing of a rapid cl	assification method for potatoes	Dr Carmen Muller	p.97
<b>Power session:</b> Validation of a rapid classificat	ion method of potato texture	Danae Bezuidenhout	p.98
<b>Power session:</b> Native fungal b nematodes on potato	io-control agents to control Meloidogyne	Ndivhuwo Ramatsitsi	p.99
	gonistic bacteria and hot-water treatment erial soft rot of potato caused by ubsp. <i>carotovorum</i>	Nokuthula Gamede	P.100
Survival of the bacterial wilt pa	thogen	Dr René Sutherland	p.101
Eastern Free State plant popula Reitz	ition trial under supplementary irrigation at	Enrike Verster	p.102
Sandveld cultivar trial under irr	igation at Aurora	Piet Brink	p.117
-	various cover crop species to the soilborne anean f. sp. Subterranean, in South africa	Rudolph Strydom	P.127
Sensitivity of <i>Alternaria</i> species fungicides	from potatoes in South Africa to different	Dr Elsie Cruywagen	P.128
FRAC recommendation to prev	ent resistance	Stephan Marais	
Summary and Conclusion		Willie Jacobs André Coetzee	





