



Potatoes  
Aartappels SA

**RESEARCH SYMPOSIUM  
18-20 JULY 2023  
PROGRAMME**

*Roots*

WITH THE  
*Future in mind*

PARYS



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## DAY I

11h00-11h10

### Welcome

André Coetzee (Vice Chairperson Potatoes SA)

11h10-11h20

### Our Potato Innovation Focus

Dirk Uys (Potatoes SA)

11h20-11h50

### Keynote Presentation

Sponsored by: WinField United SA

**Innovations in the consideration towards a viable potato industry.  
What should our drivers be?**

### SESSION I

Sponsored by:

11h50-12h50

### Mechanisation and Irrigation

Facilitated by: Gerrit Bezuidenhout

#### Research Reviews (20 min)

- Sandveld Conservation Farming Practices.  
Dr Jacques van Zyl (Elsenburg)
- Impact of Potato Production on Ground Water.  
Julian Conrad (GEOSS)
- Ecological Sustainability in Western Free State Ecosystems.  
Stéfan Steenekamp (University of Pretoria)
- Green Manure Crops in Controlling Early Dying.  
Estienne Retief (ARC)

**Panel Discussion (40 Min):**

**What is the trends related to mechanisation for efficient farming?**

Dr. Jacques van Zyl	Elsenburg
Prof. Martin Steyn	University of Pretoria
Julian Conrad	GEOSS
Chris Barnard	Irrigation Consultant

12h50-13h45

### Lunch

Sponsored by: Wesgrow



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## DAY I

### SESSION 2

Sponsored by: Nexus

13h45-15h00

#### Soil Health

Facilitated by: Lindi Botha

#### Research Reviews (30 min)

- Characterisation of Disease Associated with Potato Early Dying.  
Dr Mariette Truter (ARC)
- Cover Crops and Green Manure in a Rotation System.  
Dr Mieke Daneel (ARC)
- Survival and Pathogenicity of Soft Rot.  
Prof Lucy Moleleke (University of Pretoria)
- Crop Rotation in Eastern Free State and Impact on Diseases.  
Mandla Sibiyi (University of Pretoria)

Panel Discussion (45 Min):

#### Soil Health Is it a Fact or Fallacy?

Takkies Reitz	Nexus
Prof Martin Steyn	University of Pretoria
Dr Mariette Truter	ARC
Dr Miekie Human	GrainSA
Albert de Villiers	Grower

15h05-15h25

Tea

Sponsored by: Philagro



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## DAY I

### SESSION 3

Sponsored by: Corteva Agriscience

15h25-16h25

Foliar Diseases

Facilitated by: Gerrit Bezuidenhout

#### Research Reviews (20 min)

- Status of Efficacy of Fungicides Against *Alternaria* Diseases.  
Dr Elsie Cruywagen (ARC)
- Mating Types of *Phytophthora Infestans* and Tolerance to Fungicides.  
Dr Chris Spies (ARC)
- Importance of Coverage.  
Marius Ras (Dropsight)

#### Panel Discussion (40Min):

**How do we enable efficient control of foliar diseases for South Africa Potatoes?**

Braam van Niekerk	Corteva
Dr Elsie Cruywagen	ARC
Cliffie Egberink	Grower
Anton Bredell	Laeveld Agrochem

16h30-17h30

Research Committee Meeting

18h00

Informal Evening

Sponsored by: Corteva Agriscience



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## DAY 2

### SESSION 4

Sponsored by: Syngenta  
Welcome Andre Coetzee

08h00-08h50

**Potato Tuber Moth**  
Facilitated by: Gerrit Bezuidenhout

#### Research Reviews (20 min)

- Interventions to Control Potato Tuber Moth.  
Dr. Diedrich Visser (ARC)
- Evaluation of the Status of the Sensitivity of Insecticides against Potato Tuber Moth.  
Tayla Swanepoel (North West University)

#### Panel Discussion (40 Min):

**What triggered the Potato Tuber Moth challenge?**

Andre Labuschagne	Syngenta
Prof Hannalene du Plessis	North West University
Dr Diedrich Visser	ARC
Nant Yzel	Grower



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## DAY 2

### SESSION 5

**Sponsored by:** AECI Plant Health

**08h50-10h00**

**Innovations in Crop Protection**

**Facilitated by:** Gerrit Bezuidenhout

#### **Research Reviews (20 min)**

- Enabling Disease Free Potatoes.  
Anel Espach (Plantovita)
- Global Trends in Disease Detection.  
Dr. Lindy Esterhuizen (ARC)
- Experiences in Managing New Viral Diseases.  
Dr. Gerhard Pietersen (Patho Sol)

#### **Panel Discussion (45 Min):**

**What innovations can we expect in Crop Protection?**

Antonie Botes	AECI Plant Health
Prof Johan Burger	University of Stellenbosch
Murray Thompson	Potatoes SA Farmer of the Year
Charles Miller	Solynta

**9h55-10h15**

**Tea**

**Sponsored by:** Cosmocel



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**DAY 2**

## SESSION 6

**Facilitated by:** Lindi Botha

**10h20-11h30**

**Cultivars Discussion**

**Regional Reviews (30 min)**

**Panel Discussion (40 Min):**

**The value and take-outs of our cultivar trials?**

Piet Brink	Winter rainfall areas
Enrike Verster	Dry land areas
Mossie Jongbloed	Limpopo
Fanus van Zyl	Central Areas

**SESSION 7**

**Sponsored by:** Andermatt Madumbi

**Facilitated by:** Michelle Lesur

**Research reviews:** (10 min)

- How will Potatoes Respond to Elevated Temperatures and CO<sub>2</sub> Levels?  
Simon Kiongo (University of Pretoria)
- Nematode Dynamics in Crop Rotation Systems.  
Dr Mariette Marais (ARC)

**11h30-12h20**

**Meeting the Global Challenges**

**Panel Discussion (40 Min):**

**How can we integrate crop management solutions to optimise quality and yield sustainably?**

Thilivhali Nepfumbada	Retrose Scientific
DC Schellingerhout	Citrus and Potato Grower
Prof Lise Korsten	University of Pretoria
Ben Krog	Andermatt Madumbi

**12h20-13h20**

**Lunch**

**Sponsored by:** Adama



**SESSION 8**

13h20-13h25

**Sponsored by:** Yara

**Andre Coetzee**

13h25-14h35

**Potato Nutrition and Impact on Quality and Shelf life**

**Facilitated by:** Prof Lise Korsten (University of Pretoria)

**Research reviews:** (20 min)

- Review of Quality Impact on Cooking Properties.  
Dr Carmen Muller (University of Pretoria)
- Alternative uses of Potatoes.  
Lerike Potgieter (University of Pretoria)
- Pointers Towards Nutrition and Potato Quality.  
Dr Estelle Kempen (University of Stellenbosch)

**Panel Discussion (40 Min):**

**Is quality the differentiator for marketability?**

Piet Brink	Yara
Dr Estelle Kempen	University of Stellenbosch
Jannie Basson	Grower
Dr Carmen Muller	University of Pretoria



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## DAY 2

### SESSION 9

Sponsored by: Winfield United

14h35-15h40

**Technologies to trigger innovation in Potato production**

Facilitated by: Anlie Hattingh

#### Research reviews:

- Climate Profiling.  
Tara Southey (TerraClim)
- Use of Satellite Indexing in Modelling.  
Alex Mukiibi (University of Pretoria)
- Biosecurity Monitoring Tools.  
Roedolf Nieuwenhuis (CropWatch)

**Panel Discussion (50 Min):**

**What does the future of Potato Production look like?**

Carina Olivier	WinField United SA
Stehan Cloete	Afgri
Dr Hennie Groenewald	Biosafety South Africa
Louis de Kock	Wildeklawer

15h40-16h00

Tea

### SESSION 10

16h00-16h30

**The Gen Z view**

Lerike Potgieter  
Stephan Steenekamp  
Alex Mukiibi  
Anlie Hatting

Facilitated by:

16h30-16h45

**Recap**

Facilitated by: Anlie Hatting

19h00

**Gala Evening**

Sponsored by: Winfield United South Africa