

PROGRAM IN 'N OOGOPSLAG/ PROGRAMME AT A GLANCE

Dinsdag, 25 Julie 2017 / Tuesday, 25 July 2017	Woensdag 26 Julie 2017 / Wednesday 27 July 2017	Donderdag 27 Julie 2017 / Thursday 27 July 2017
10:00 -12:00 Registrasie / Registration	Sessie IV / Session IV	Bus vertrek na die lughawe/ <i>Bus departs to the airport</i>
Sessie I / Session I - Opening Gasspreker / Invited speaker: Dr. Denise Altenbach	Sessie V / Session V	Plaasbesoek / Farm visit  BETTER TOGETHER.
Ligte middagete / Light lunch		
Sessie II / Session II - Opening	Sessie VI / Session VI Gasspreker / Invited speaker Dr. / Dr Brian de Villiers	Gassprekers Dr. Denise Altenbach (Scientific Director by Bioreba, Switzerland) is 'n kenner van die ELISA-toets wat plaaslik gebruik word vir virustoetsing. 
Verversings / Refreshments	Sessie VII / Session VII Gasspreker / Invited speaker: Mnr. / Mr Chris Barnard	Mnr. Chris Barnard (Fertigation Academy) is 'n besproeingsnavorser en konsultant met internasionale ervaring. 
Bayer Boesmanland Plaaskombuis Aandete by die Boesmanland Plaaskombuis op Dinsdag-aand bied geleentheid vir informeel kuier en dalk vroeg inkruip na 'n baie lang dag. <i>Dinner at the Boesmanland Plaaskombuis on Tuesday evening offers the opportunity for informal networking informally and perhaps enjoy an early evening after a very long day.</i>	Navorsingskomiteevergadering / <i>Research Committee Meeting</i> Bayer Prysuitdelingsaand / Tydens die Bayer Prysuitdelingsaand word pryse toegeken vir beste aanbiedings (navorser, werkgroep en student) asook beste bywoning deur 'n werkgroep. Daarna kuier ons tot laat. Bayer Prize Giving Evening <i>During the Bayer Prize Giving Evening, prizes are awarded for best presentations by researchers, work groups and students, as well as the workgroup best presented. Thereafter we relax until late.</i>	Dr. Brian de Villiers Produkbestuurder op byvoegmiddels by Villa Crop Science Invited speakers Dr Denise Altenbach (Scientific Director at Bioreba, Switzerland) is an expert on the ELISA test that is used locally to test for virus.   Mr Chris Barnard (Fertigation Academy) is an irrigation scientist and consultant with international experience.  Dr Brian de Villiers Product manager on additives at Villa Crop Science



PROGRAM / PROGRAMME

DINSDAG, 25 JULIE 2017 / TUESDAY, 25 JULY 2017

10:00	Registrasie / Registration	~Athene Conference Centre
12:00 – 12:20		OPENING
Verwelkoming / Welcoming		Johan van den Heever (Voorsitter: Navorsings- komitee/ <i>Chairman: Research Committee</i>)
Skriflesing en gebed / Scripture and prayer		Jan van Zyl
12:20 – 13:05		SESSIE 1 / SESSION 1: DIE WAARDE VAN DIE ELISA-TOETS / THE VALUE OF THE ELISA TEST
Gasspreker/ Invited speaker: Ontwikkeling, vervaardiging en gehalteverzekering van fito-diagnostiese produkte/ <i>Development, manufacturing and quality assurance of phytodiagnostic products</i>		Dr Denise Altenbach
Validasie van die ELISA-toets in die sertifisering van moere / <i>Validation of the ELISA test in the certification of seed potatoes</i>		Marieta Botha
13:05 – 13:55		MIDDAGETE / LUNCH
13:55 – 15:25		SESSIE 2 / SESSION 2: GRONDGEDRAAGDE SIEKTES & KULTIVAREVALUASIE / SOIL-BORNE DISEASES & CULTIVAR EVALUATION
Oorsig, biologie en beheer van <i>Pectobacterium spp</i> : Die Suid-Afrikaanse perspektief / <i>Overview, biology and control of Pectobacterium spp: The South African perspective</i>		Lucy Moleleki
Die aggressiewe aard van <i>Pectobacterium brasiliense</i> in die Suid-Afrikaanse aartappelproduksiesektor/ <i>Understanding the aggressive nature of Pectobacterium brasiliense in the South African potato production sector</i>		Alessandro Gracia
Hoe ondervry Pectobacterium spp vyandige plant-antimikrobiële verdediging? / <i>How does Pectobacterium spp undermine hostile plant antimicrobial defences?</i>		Ntombi Nkomo
Bestryding van biofilmvorming met antimikrobiële peptide en dispersiene / <i>Combating biofilm formation with antimicrobial peptides and dispersins</i>		Nikki Miguel
Opsporing van sagtevrot Enterobacteriaceae in besproeiingswater wat in aartappelproduksiestelsels in Suid-Afrika gebruik word / <i>Detection of soft rotting Enterobacteriaceae in irrigation water used in potato production systems in South Africa</i>		Natalie Laughton

Epidemiologie en bevolkingstudies van <i>Rhizoctonia</i> op aartappels in Suid-Afrika: Implikasies vir siektebestuur / <i>Epidemiology and population studies of Rhizoctonia on potatoes in South Africa: Implications for disease management</i>	Jacquie van der Waals
Bevestiging van die biotiese oorsake van kurkagtige krake op knolle in Suid-Afrika / Confirmation of the biotic causes of corky cracks on tubers in South Africa	
Evaluering van aartappelvariëteite vir bruinskurf wat veroorsaak word deur <i>Streptomyces scabiei</i> / Screening of potato varieties for common scab caused by <i>Streptomyces scabiei</i>	René Sutherland
KwaZulu-Natal kultivarevaluasieproef op Weenen/ KwaZulu Natal cultivar evaluation trial at Weenen	Louis Pretorius
Noordoos-Kaap kultivarevaluasieproef op Ugie/ North Eastern Cape cultivar evaluation trial at Ugie	Chantel du Raan
15:35– 15:55 VERVERSINGS / REFRESHMENTS	
15:55 – 17:00 SESSIE 3 / SESSION 3: ~Albert Boneschans VOLHOUBARE WATERGEBRUIK, AARTAPPELKWALITEIT & KULTIVAREVALUASIE / WATER USE EFFICIENCY, POTATO QUALITY & CULTIVAR EVALUATION	
Limpopo kultivarevaluasieproef op Tom Burke/ Limpopo cultivar evaluation trial at Tom Burke	Schalk Grobbelaar
Limpopo kultivarevaluasieproef op Polokwane (Pietersburg)/ Limpopo cultivar evaluation trial at Polokwane (Pietersburg)	Albert Boneschans
Watervoetspoor-assessering van aartappelproduksie in Suid-Afrika en innoverende hulpmiddels om waterverbruiksdoeltreffendheid te verbeter / Assessment of the water footprints of South African potato production and innovative tools to improve water use efficiency	Martin Steyn
Die Sandveld grondwater moniteringsprogram: 2004-2018 / The Sandveld groundwater monitoring programme: 2004 - 2018	Julian Conrad
Die impak van klimaatsverandering op aartappelopbrengs en watergebruiksdoeltreffendheid in Suid-Afrika, asook opsies vir aanpassing / The impact of climate change on potato yield and water use efficiency in South Africa, and options for adaptation	Lutendo Mueliwa
Gewigsverlies van moere en tafelaartappels onder Suid-Afrikaanse toestande: 2014-2018 / Weight loss of seed and table potato tubers under South African conditions: 2014-2018	Innocent Mazibuko
Die potensiaal van organiese boerdery op die produktiwiteit en kwaliteit van aartappels / The potential of organic farming on the productivity and quality of potato	Sifiso Mhlongo

17:05 – 19:00	Navorsingskomitee-vergadering / Research committee meeting
19:00	
BAYER - BOESMANLAND	
PLAASKOMBUIS	
(Informele aand/ <i>Informal evening</i>)	Science For A Better Life

WOENSDAG, 26 JULIE 2017 / WEDNESDAY, 26 JULY 2017

7:00 – 8:00	ONTBYT / BREAKFAST	~ Bouzouki restaurant
08:00 – 10:00	SESSIE 4 / SESSION 4: INSEKPESTE, NEMATODES, AARTAPPELKASSIFIKASIE, BESTUURSPRAKTYKE & KULTIVAREVALUASIE / INSECT PESTS, NEMATODES, POTATO CLASSIFICATION, MANAGEMENT PRACTICES & CULTIVAR EVALUATION	~ Enrike Verster
Plantluismonitering op moere in Suid-Afrika / <i>Aphid monitoring in seed potatoes in South Africa</i>	Kerstin Kruger	
Ondersoek na die invloed van klimaat op die aktiwiteit en intensiteit van aartappelvirusvektore in die winterreënvalstreek/ <i>Investigation into the influence of climate on the activity and intensity of potato viral vectors in the winter rainfall region</i>	Kobus Laubscher	
Ondersoek na beheerstrategieë van die aartappelblaarmynner op aartappels / <i>Investigation into control strategies of the potato leafminer on potatoes</i>	Diedrich Visser	
Ondersoek na die plaagstatus van die tamatieblaarmynner, <i>Tuta absoluta</i> , op aartappel in SA/ <i>Investigations into the pest status of the tomato leafminer, Tuta absoluta, on potato in SA</i>		
Evaluering van alternatiewe sistemiese onkruiddoders vir die beheer van opslagaartappelplante / <i>Evaluation of alternative systemic herbicides for control of volunteer potato plants</i>	James Allemann	
Tekstuurklassifikasie van aartappels deur gebruik van 'n kooktoets/ <i>Textural classification of potatoes using a boiling test</i>	Carmen Muller	
Identifisering en gebruik van knoleienskappe om aartappel- kwaliteit te voorspel: 2016-2017 / <i>Identifying and using tuber characteristics to predict potato quality: 2016-2017</i>	Rian Gericke	
Effek van paclobutrazol en spasiëring op groei en opbrengs van aartappels (<i>Solanum tuberosum</i>) in subtropiese streek: Oos-Kaap Provinse / <i>Effect of paclobutrazol and spacing on growth and yield of potatoes (Solanum tuberosum) in subtropical region: Eastern Cape Province</i>	Xola Ngceni	

<i>In vitro</i> aartappel-genebank instandhouding van oop- en sub-lisensie aartappelkultivars / <i>In vitro</i> potato genebank maintenance of open and sub-license potato cultivars	Nokuthula Myeza
Wes-Vrystaat kultivarevaluasieproef op Bultfontein/ Western Free State cultivar evaluation trial at Bultfontein	Herman Haak
Wes-Vrystaat kultivarevaluasieproef op Kroonstad/ Western Free State cultivar evaluation trial at Kroonstad	Chantel du Raan
09:55 – 10:15 VERVERSINGS / REFRESHMENTS	
10:15 – 12:10 SESSIE 5 / SESSION 5:	<i>~Louis Pretorius</i>
GRONDGEDRAAGDE SIEKTES, BAKTERIESE PATOGENE & KULTIVAREVALUASIE / SOIL-BORNE DISEASES, BACTERIAL PATHOGENS & CULTIVAR EVALUATION	
Suidwes-Vrystaat kultivarevaluasieproef op Petrusburg/ South Western Free State cultivar evaluation trial at Petrusburg	Fanus van Zyl
Ceres kultivarevaluasieproef in die Koue Bokkeveld/ Ceres cultivar evaluation trial in the Koue Bokkeveld	Hano Dreyer
Vatbaarheid van aartappelkultivars vir <i>Spongospora subterranea f.sp. subterranea</i> / <i>Susceptibility of potato cultivars to Spongospora subterranea f. sp. subterranea</i>	Jacquie van der Waals
<i>Spongospora</i> in my grond: Wat kan ek plant? / <i>Spongospora in my soil: What can I plant?</i>	Jacquie van der Waals
Spleetskurf op aartappels in Suid-Afrika/ Fissure scab on potatoes in South Africa	Michelle Cloete
Aspekte van die bestuur van bakteriese verwelk van aartappels – oorlewing en sterilisasie van toerusting / Aspects of management of bacterial wilt of potatoes – survival and sterilization of equipment	René Sutherland
'n Ondersoek na die etiologie en patogenisiteit van <i>Verticillium</i> verwelk in die Sandveld / An investigation into the etiology and pathogenicity of <i>Verticillium</i> wilt in the Sandveld	Estianne Retief
Die effek van plantekstrakte, essensiële olies en chemiese behandelings op na-oes sagtevrot en kultivarvatbaarheid / <i>The effect of plant extracts, essential oils and chemical treatments on post-harvest potato soft rot incidence and cultivar susceptibility</i>	Tlanelani Nghondzweni
Evaluering van aartappelkultivars vir <i>Alternaria alternata</i> toleransie / Screening potato varieties for <i>Alternaria alternata</i> tolerance	René Sutherland
Doeltreffendheid van <i>Lantana camara</i> en <i>Melia azedarach</i> L. botaniese ekstrakte teen belangrike aartappelbakteriese patogene/ <i>Effectiveness of Lantana camara and Melia azedarach</i> L. botanical extracts against important potato bacterial pathogens	Lerato Matsaunyane
Kalsiumcyanamide: Potensiaal vir die bestuur van <i>Spongospora subterranea f.sp. subterranea</i> ? / Calcium cyanamide: Potential for management of <i>Spongospora subterranea f.sp. subterranea</i> ?	Jacquie van der Waals
Mpumalanga kultivarevaluasieproef op Middelburg/ Mpumalanga cultivar evaluation trial at Middelburg	Enrike Verster
12:10 – 13:00 MIDDAGETE / LUNCH	

13:00 – 15:00	SESSIE 6 / SESSION 6: PLANTBESKERMINGSMIDDELS, WISSELBOUPROGRAMME & KULTIVAREVALUASIE / PLANT PROTECTION PRODUCTS, CROP ROTATION PROGRAMMES & CULTIVAR EVALUATION	~Herman Haak
		Brian de Villiers
Byvoegmiddels, spuitmengsels en waterkwaliteit / <i>Adjuvants, spray mixtures and water quality</i>		
Bewaringsboerderypraktyke vir aartappelproduksie in die Sandveld / <i>Conservation farming practices for potato production in the Sandveld</i>		Jacques van Zyl
Ontwikkeling van streekspesifieke wisselbouprogramme vir die Oos-Vrystaat / <i>Development of region-specific crop rotation programmes for the Eastern Free State</i>		Martin Steyn
Die opvolging van aalwurms in 'n Vrystaatse aartappelrotasiestelsel / <i>The succession of nematodes in a Free State potato rotation system</i>		Mariette Marais
Invloed van kortermyn-aartappelgewasrotasies op die bestuur van bevolkingsdigtheid van knopwortelaalwurms / Influence of short-term potato crop rotations on the management of population densities of root-knot nematodes		Kgabo Pofu
Oos-Kaap kultivarevaluasieproef op Hankey/ <i>Eastern Cape cultivar evaluation trial at Hankey</i>		Retief Cilliers
Noord-Kaap kultivarevaluasieproef op Douglas/ <i>Northern Cape cultivar evaluation trial at Douglas</i>		André Prins
14:55 – 15:15	VERVERSINGS / REFRESHMENTS	
16:00 – 17:10	SESSIE 7 / SESSION 7: KLIMAAT, PLANTVOEDING & KULTIVAREVALUASIE / CLIMATE, PLANT NUTRITION & CULTIVAR EVALUATION	~Terence Brown
Besproeiing onder droogtetoestande, 'n boer se perspektief/ <i>Irrigation under drought conditions, a farmer's perspective</i>		Chris Barnard 
Ontwikkeling van bemestingsriglyne vir geselekteerde nuwe aartappelkultivars / <i>Development of fertiliser guidelines for selected new potato cultivars</i>		Martin Steyn
Oos-Vrystaat kultivarevaluasieproef op Warden / <i>Eastern Free State cultivar evaluation trial at Warden</i>		Chantel du Raan
Sandveld kultivarevaluasieproef op Aurora / <i>Sandveld cultivar evaluation trial at Aurora</i>		Piet Brink
Opsomming / Summary		Fienie Niederwieser

19:00 BAYER PRYSUITDELINGSAAND / BAYER PRIZE GIVING EVENING
(Bouzouki Restaurant)



DONDERDAG, 27 JULIE 2017 / THURSDAY, 27 JULY 2017

Bus vertrek na lughawe van Mykonos/ Bus departs to airport from Mykonos

Bus vertrek na **plaasbesoek** met komplimente van Departement Landbou Wes-Kaap /
Bus departs to **farm visit** with compliments of Western Cape Department of Agriculture



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