



KPR

Conferences and Trading Pty Ltd



Hydroponics Farming the way forward for Sustainability and Food Security for Profitability 2023

Venue: Golden horse Casino Hotel Pietermaritzburg

Date: 6th to 7th March 2023

2 CPD Points to be claimed from:

SACNASP

South African Council for Natural Scientific Professions

KPR Conference and Trading Pty Ltd email: admin@kprtrading.co.za Call: 0729718934

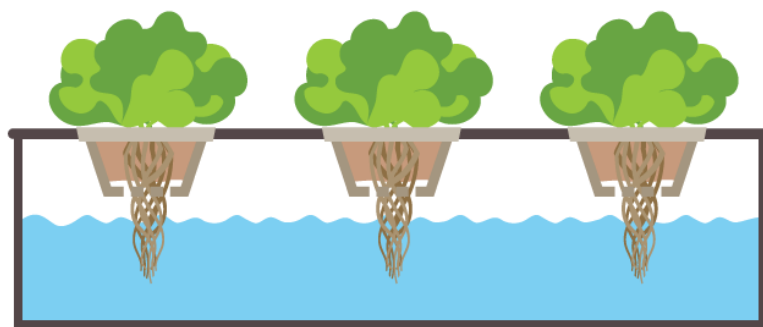
Address: 300 Kent Avenue Randburg, 2194



With the Covid-19 pandemic having decimated various sectors, leaving many without jobs, some people have set their sights on entrepreneurship opportunities. Agribusiness enterprises (including primary and secondary activities) were popular choices, including hydroponic farming.

Hydroponics Farming in South Africa has grown over the years and has proven to farmers and investors alike that it is capable of producing high yields and exceptional quality of high value crops efficiently while mitigating production and environmental risks.

KPR believes that the transformation of the hydroponic farming industry in South Africa is needed and this is possible through training programs and the transfer of knowledge and skills through various platforms by bringing together relevant professional individuals and organizations in the hydroponic farming industry to the round table! This will enable the distribution of transformation steps to all role players in the South African Farming Industry.



Hydroponic farming

Benefits of attending:

By attending the seminar, you would have the chance to receive firsthand knowledge from various speakers that have years of practical Hydroponics farming experience.

This informative program will empower, and transfer invaluable knowledge and skills to previously disadvantaged individuals, emerging and small-scale Hydroponic farmers to better understand the factors for running a successful hydroponic farming operation.





Agenda

Day 1:

1. Overview of agricultural production in South Africa:

- * Our food security status as SA.

2. Principles Controlled Environmental Agriculture (Hydroponics)

Factors controlled:

- * Sunlight
- * Water
- * Humidity
- * growing media
- * fertilization
- * CO₂
- * Pruning and trellising

3. Climate change and Agriculture:

- * What is climate change?
- * How does climate change affect agriculture (especially crop production)?
- * How does hydroponic production mitigate climate change?

4. Water use in Agriculture and soil less media used in hydroponics:

- * SAs water status, water use and irrigation in veg production. Efficiency of water usage in hydroponic production.

5. Hydroponic structures:

- * Types of structures and their suitability for various crops and climates.
- * Uses of single Vs multispans and the various covering materials.





Day 2:

1. Fertigation in hydroponics:

- Uses of open and closed Fertigation systems
- Types of media used in hydroponics and the pros and cons.
- Understanding pH and EC and their significance. Commonly used fertilizers. Factors and tools used for Fertigation scheduling. Importance of water quality.

2. Pest and disease management in Hydroponics:

- Pests and diseases on the most commonly grown hydroponic crops.
- Principles of chemical use - preventative Vs curative.
- Contact Vs Systemic Vs translaminar.
- Integrated pest management

3. Marketing:

- Production planning for consistent supply.
- Quality management systems requirements by different markets.
- Post-harvest management.
- Value adding and packaging.

4. Costing and financing of hydroponic production:

- Structures and irrigation system.
- Media and seedling.
- Fertilizers and chemical.
- Post-harvest and packaging.

2 CPD Points to be claimed from:

5. Blended Finance Scheme Offerings.

- Targeted Producers at Land Bank.
- Small and Medium Scale Producer(s).
- Capped Conditional Grant Gliding Scale Support for these producers.

SACNASP

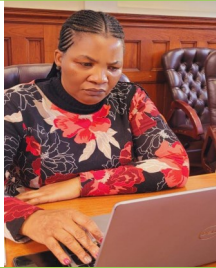
South African Council for Natural Scientific Professions

Site Visit to River Valley Farm



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Dr Fikile Qwabe
Department of Agriculture and rural
development



Mr Siyabonga Mazibuko - CEO
AgriBusiness Development Agency



Mr Mustaq Hoosen
AgriBusiness Development Agency



Dr Anthony Turton
Environmental Advisor



Jabu Dorothy Mbele
Prokon SA



Lenka Chitja
Land and Agricultural Development
Bank of South Africa



Dr. T.D.E. Mpanza
Agricultural Research council



Ntando Thabete
Elite Crop



Francois van Deventer
Syngenta South Africa



Gustav Venter
Syngenta South Africa



Frikkie Janse van Rensburg
Starke Ayres (Pty) Ltd



Dr Martin Maboko
Hygrotech

Your Expert Speakers

Day 1 Agenda

Time	Topic	Speaker
07:30 – 08:30	Registration	
08:30 – 9.00	Key Note Address	Dr Fikile Qwabe KZN Department of Agriculture and Rural Development.
09:00 – 09:30	Overview of agricultural production in South Africa: The Status of agriculture in South Africa and government's role in transformation within the sector, and some of the interventions and strategies the ADA has planned for the financial year.	Mr Siyabonga Mazibuko CEO AgriBusiness Development Agency
09:30 – 10:15	Principles Controlled Environmental Agriculture (Hydroponics) Factors controlled: sunlight, water, Humidity, growing media, fertilization, CO2. Pruning and trellising.	Dr Martin Maboko Hygrotech
10:15 – 10:30	Tea Break	
10:30 – 11:15	Fertigation in hydroponics: Uses of open and closed fertigation systems. Types of media used in hydroponics and the pros and cons.	Frikkie Janse van Rensburg Starke Ayres (Pty) Ltd
11:15 – 12:00	Climate change and Agriculture: What is climate change, how does climate change affect agriculture (especially crop production). How does hydroponic production mitigate climate change?	Dr. T.D.E. Mpanza Agricultural Research council
12:00 – 13:00	Water use in Agriculture and soil less media used in hydroponics.	Dr Anthony Turton Environmental Advisor
13:00 – 14:00	Lunch	
14:00 -14:45	Hydroponic structures: Types of structures and their suitability for various crops and climates. Uses of single Vs multispan and the various covering materials.	Ntando Thabete Elite Crop
14:45 – 15:30	Marketing: Production planning for consistent supply. Quality management systems requirements by different markets. Post-harvest management. Value adding and packaging.	Jabu Dorothy Mbele Prokon SA
15:30 – 16:00	Questions and answers	



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Day 2 Agenda

Time	Topic	Speaker
07:30 – 08:30	Registration	
08:30 – 09:00	Pest and disease management in Hydroponics Pests and diseases on the most commonly grown hydroponic crops. Principles of chemical use - preventative Vs curative. Contact Vs systemic Vs translaminar. Integrated pest management.	Gustav Venter & Francois van Deventer Syngenta - Crop Protection Solutions
09:00 – 10:00	Costing and financing of hydroponic production: structures and irrigation systems. Media and seedlings. Fertilizers and chemicals. Post-harvest and packaging. ADA	Mr Mustaq Hoosen AgriBusiness Development Agency
10:00 – 10:30	Tea Break	
10:30 – 11:15	Blended Finance Scheme Offerings. Targeted Producers at Land Bank. Small and Medium Scale Producer(s). Capped Conditional Grant Gliding Scale Support for these producers.	Lenka Chitja Land and Agricultural Development Bank of South Africa
11:15 – 11:30	Vote of Thanks and Networking	
11:30 – 12:30	Lunch	
12:30 – 15:30	Site Visit to River Valley Farms	



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Registration Form

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ATTENDING THE SITE VISIT

EARLY BIRD BOOKING: R 5 999 PER DELEGATE TILL 15th February 2023

NORMAL BOOKING: R 6 999 PER DELEGATE

Company Name:

Business Postal Address:

Tel and Mobile:

Billing email address:

Purchase order number:

Registration fees above include the following entitlements: Entrance to sessions, registration pack, daily lunch and refreshment breaks.

CANCELLATION NOTICE:

By signing and returning the registration form, the authorizing signatory on behalf of the stated company is subject to the following terms and conditions:

Delegate Cancellations:

All cancellations must be received in writing and are subject to the following conditions:

- Charge of 50% of the registration fee, plus R700 (+ VAT) administrative charge will be made for cancellations received in writing at least 14 working days prior to the event.
- For any cancellations received less than 7 working days before the date of the event, the full fee will be payable and no refunds or credit notes will be given.
- If a registered delegate does not cancel and fails to attend the Summit, this will be treated as a cancellation and no refund or credit note will be issued.

Delegate Substitution: Substitution is welcome at any time and do not incur any additional charges. Please notify KPR Conference and Trading PTY Ltd in writing of any such changes at least 3 days before the date of the event.

• Please note that the speakers and topics were confirmed at the time of publishing, however circumstances beyond the control of the organizers may necessitate substitutions, alterations or cancellations of the speakers and/or topics.

• As such KPR Conference and Trading PTY Ltd reserves the right to alter or modify the advertised speakers and/or topics if necessary. Any substitutions or alternations will be updated and sent to you as soon as possible.

PLEASE NOTE – KPR CONFERENCES AND TRADING PTY LTD HAS A STRICT NO CASH REFUND POLICY PAYMENT BY MEANS OF A BANK TRANSFER

- Please state your full names clearly on the money transfer.
- Please note, bank charges are for your OWN account and this should be stipulated to your bank. Please advise your bank that the charges should be included in your deposit amount.

A copy of the bank deposit receipt should accompany your registration form and must be emailed.

Banking details for Standard Bank SA:

Account name: KPR Conferences and Trading Pty Ltd

Account number: 10165558421 **2 CPD Points to be claimed from:**

Branch code: 051001

SACNASP

Swift code: SBZAJJ **South African Council for Natural Scientific Professions**

Reference number: *Your Company Name*



Authorisation by company representative:

I _____ in my position as _____ for the company _____, hereby accept and agree to the above terms and conditions set out by KPR Conference and Trading PTY Ltd, as well as, authorise the above delegates to participate in the said workshop. Signature: _____ Date: _____

Name & Title of Delegate	Designation	Email	Mobile Number	Marketing info Y/N

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KWAZULU-NATAL PROVINCE
AGRICULTURE AND RURAL DEVELOPMENT
REPUBLIC OF SOUTH AFRICA

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