



CLIMATE SMART LIVESTOCK FARMING for Sustainable Food Security

28th, 29th & 30th November 2023
THE PROTEA HOTEL, GEORGE



Theme: Food security in Africa: Sustaining livestock production and health through Climate Smart Strategies...

Accreditation



AGRIC Prov/2476/23 | Etqa 694

Organised by



CLIMATE SMART LIVESTOCK FARMING

FOR SUSTAINABLE FOOD SECURITY

Supporting livestock farming development in South Africa is primarily intended to generate income and meet the growing demand for animal sources of protein for South Africa's growing population. Sustainable production of high-quality animal proteins for a growing world population is the key challenge for the livestock industry in the future.

Climate change has a negative impact on livestock production. Rising temperatures and lower annual rainfall reduce livestock productivity and inhibit the growth of fodder crops. Due to soil degradation and water scarcity, animals no longer have sufficient food. Land-use conflicts are increasing, threatening food security and gradually eroding livestock farmers' livelihoods.

"The sustainability of livestock production on the veld rests on two pillars, namely veld grazing that is in an excellent condition, and the control of bush encroachment. Farmers need to be creative and innovative and ready to adjust to climate change if they want to survive and thrive. Climate change is a reality.

Proper livestock management can be effective through:

- Improvements in the cultivation of specific fodder crops,
- Feed processing
- Manure and pasture management

The 2023 Livestock Agri -Smart Animal Production Masterclass and Tour Aims To:

- **SUPPORT** livestock producers to improve management that can increase

productivity and efficiency while simultaneously helping to reverse land degradation that has occurred across the region from unsustainable grazing patterns

- **PROVIDE** a premier interdisciplinary platform for researchers, practitioners, and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered, and solutions adopted in the fields of Livestock Farming
- **EQUIP** you with the unique opportunity to discuss the latest pressing issues of the Livestock Farming industry
- **GAIN** hands on experience by participating in our practical farm visits assisting you with strategies on animal health, genetics, reproduction, pasture management and diseases.

WHO SHOULD ATTEND?

- **Livestock Farmers/Managers**
- **Emerging Farmers/Small Holder Farmers**
- **Animal Scientists**
- **Professors and Lecturers in Livestock Services/Animal Production (Universities and TVET colleges)**
- **Animal Breeders**
- **Feed Producers/Fertiliser Companies**
- **Experimental Farm Managers**
- **Feedlot Managers**
- **Veterinary Service Practitioners & Consultants**
- **Directors & Chief Directors of Agricultural Research & Livestock Services**
- **Government Departments/Extension and Advisory Services (Department of Agriculture)**
- **Unemployed graduates in training**

The event connects you to the most innovative and sustainable farmers within Africa - and provides worldwide support to animal projects through the various livestock farms.

TOUR HIGHLIGHTS



TRUTERSDALE ANGORA FARM:
Successful Mohair Farming and Sustainable Production
Through Genetics and Reproduction
By Weeber Truter Founder Trutersdale/
Chairman of the agricultural association in Harold, between Oudtshoorn and Uniondale



LANCEWOOD DAIRY FARM:
Understanding Pasture Management and Sustainability
Tour guide and Presentation By: Rohan Herselman Lancewood George



SHEEP FARM:
Discover Precision breeding with extensively farmed Merinos.
Impact on climate change and adaptation on the farming of sheep



ARTIFICIAL INSEMINATION practical session (Trutersdale Farm) Improving genetics in animal production By Dr Ruth Truter (DVM, MSc)Therio Vetcare and George Animal Hospital



Visit to the Abattoir: (George)
To provide for measures to promote meat safety and the safety of animal products. Establish and maintain essential national hygiene standards in respect of abattoirs.

THE PURPOSE OF THIS EDUCATIONAL AND PRACTICAL STUDY TOUR IS TO:

- Offer delegates the opportunity to adopt regenerative farming practices
- Showcasing innovative technologies to advance and drive the 4IR in the livestock sector
- The impact of livestock on climate change
- Sharing of industry best practices through networking and open forums
- Case study driven onsite tours offering best practices within livestock farming
- To explore Opportunities and Challenges
- Adopt new methods of precision feeding to reduce CO2

SCHEDULE AT A GLANCE

28 th November 2023	TOURS
Morning	Morning visit to the Angora Farm followed by Artificial Insemination Session
Afternoon	Visit to Lancewood Dairy Farm
29 th November 2023	MASTERCLASS (PROTEA HOTEL)
30 th November 2023	Conference (Refer To Agenda)
Morning	Visit to the Abattoir
Afternoon	Depart to the Merino/Sheep Farm
END OF EVENT	

DETAILED AGENDA

28TH NOVEMBER 2023 (FARM VISITS)

09:00 Registrations and Welcome by host

09:15 Bus Departs to Trutersdale Angora Farm from George

Session Outcomes: Angora Farming

- Reproduction Breeding Selection and Strategies
- Animal Health and Diseases
- Animal Husbandry
- Housing and Nutrition
- Shearing Practices
- Mohair Production for export

Goat wool, also known as mohair, is another product that can be obtained from goat farming. Mohair is luxurious and soft wool that's highly sought after in the fashion industry. Mohair is used to make various products, including sweaters, scarves, and blankets. As a goat farmer, you can sell your mohair directly to textile manufacturers or to local and international markets.

Tour Presenter: Weeber Truter Founder Trutersdale

Chairman of the agricultural association in Harold, between Oudtshoorn and Uniondale

Artificial Insemination Talk @ Trutersdale Farm

The visit to the farm will demonstrate the following AI practices and aims to enable the below outcomes:

To practice correct semen handling and artificial insemination techniques and procedures.

- Outline the Reproductive Tract
- How AI Techniques are applied
- Nutrition and its effects on reproduction
- Factors that affect AI success
- Introduction to semen tank
- Heat detection, heat detection aids, synchronization estrous cycle
- Timing of insemination

TOUR PRESENTER: Dr Ruth Truter (DVM,MSc)Therio Vetcare and George Animal Hospital

13:00-14:00 LUNCH

14:00 Bus departs to Lancewood Dairy Farm

Session Outcomes: Dairy Farming

Pasture Management Practices: Pasture quality and productivity

Good pasture condition is critical to a successful grazing system. Pasture quality may vary greatly from one pasture area to another, but the trend over time should show the direction in which the pasture condition is moving.

- Lancewood's successful story of how effective pasture management has led to healthy cows and products.
- Understand Dairy Breeds?
- Gain a better understanding of dairy products?
- Understand the lactation process?
- Feeding Dairy Cattle?
- Managing Dairy Cattle?
- Managing Dairy Farms?
- Pests and Diseases
- Nutrition and Feed

TOUR PRESENTER: Mr Rohan Herselman Lancewood

16:00 END OF DAY ONE

29TH NOVEMBER 2023

Masterclass @ The Protea Hotel George

09:00 -11:30 Assessing all farm animal's traits such as growth and fertility.

- New thinking in Beef Cattle
- Fertility: How to increase fertility under our climatic conditions
- Pasture Management first
- Fertility Management Components
- Genetics and EBV
- Environment Systems
- Hybrid Breeding
- Minimising Greenhouse Gases

Presenter: Mr Llewellyn Angus registered animal scientist and a South African Interbreed Judges Association examiner.

He has won many awards for stud breeding and is a former president of the South African Simmentaler/ Simbra Society. Received the 2022 LRF Merit Award for "outstanding services to the livestock industry.

11:30-12:30 Sheep farming: expertise to fast-



track breeding genetically superior and functionally efficient Merinos.

Presenter: Mr Gawie Van Heerden Founder Konsortium Merino

Today, the farmer-owned business Konsortium-Merino not only sells the most rams at official Merino sales, it also aims to increase ewe numbers and its brand to 1,5 million in the next 10 years.

12:30-13:30 LUNCH

13:30-15:30 Feed and nutrition management for Beef Production

Precision Feeding in beef production operations
Supplemental Strategies for Breeding Animals to Improve Reproduction-

- Breeding Livestock through enhanced strategies
- Body condition as a management tool
- Feeding Nutrition and Breeding season
- Key Management strategies /Supplements and Vitamins

Presenter: Dr Hinner Koster CEO Kaonne Investments

Dr Hinner Koster has more than 40 international and national scientific papers and abstracts and has published more than 500 popular scientific papers.. In 2005, he was elected chairman of the AFMA board of directors, a position he held until 2007, and also served as chairman on all the different AFMA committees since 2000.. Since 1996 he also serves as director of the SA Hereford Breeders' Society where he still acts as chairman of the World Hereford Conference Committee. He also is a senior judge of various cattle breeds and represented South Africa in Argentina (2000), Australia (2004), Denmark (2008) and Canada (2012) at World Hereford Conferences. He also co-owns a large egg production operation as well as a stud herd of Dorper sheep, an internationally known Hereford stud, Vicedale Herefords, together with a newly founded Bonsmara stud.

15:30-17:00 Genetics and Breeding for Disease Resistance of Livestock

Presenter: Professor Schalk Cloete Scientist: Animal Breeding and Genetics Directorate Animal Sciences: Elsenburg and Professor Extraordinaire at the University of Stellenbosch

Professor Schalk Cloete is a specialist scientist in Animal Breeding and Genetics at the. He has an extensive research and training record primarily in livestock breeding, with most of his published research reporting on sheep and ostriches as experimental animals. He acted as co-supervisor of 17 completed MSc and 12 completed PhD studies, some on breed differences as well as potential additive and non-additive genetic gains in quantitative and qualitative meat traits. At present he co-supervises 2 MSc and 6 PhD studies under the SARChI chair.

END OF MASTERCLASS DAY

30TH NOVEMBER 2023 -FARM VISITS

09:00 Morning: Visit to the Abattoir (George)

Brief overview on: Meat Safety and Hygiene Practices

- Meat Safety Act of 2000
- Understand the meat safety aspects that an abattoir must comply with
- Meat safety aspects associated with personnel practices
- Control and measure safety aspects in the production processes
- Demonstrate an understanding of meat safety conformance

11:00: Depart to the Sheep/Merino Farm

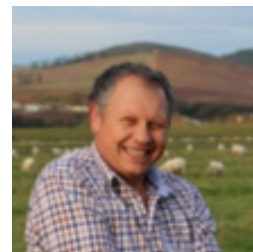
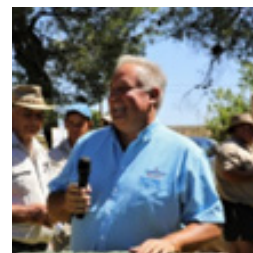
Learner Outcomes: Merino Farming

- Sheep farming Profitability
- Land requirements and Housing
- Feeding and Technology of Sheep
- Breeds, Nutrition and Diseases /Merinos for wool production
- Art and Technique of Sheering

13:00-14:00 LUNCH

14:00 BUS Departs back to Protea Hotel George.

END OF TOUR





Climate Smart Livestock Farming for Sustainable Food Security

28TH, 29TH & 30TH NOVEMBER 2023 • PROTEA HOTEL • GEORGE

CONFERENCE & STUDY TOUR - (CSFS 2023)

RESERVE YOUR PLACE TODAY!

R6 999.00
Per Delegate | Excl. Vat

SELECT

R5 999.00
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Title	Delegate Name & Surname	Position	Email	Phone

SUBSTITUTIONS:

Delegate substitutions. Substitutions is welcome at any time and do not occur any additional charges. Please notify EMPIRE 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, EMPIRE reserves the right to alter or modify the advertised speakers and /or topics if necessary. Any substitutions or alterations will be updated and sent to you as soon as possible.
- Delegate substitutions must be made in writing 7 days before the event.

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

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- or any cancellations received in 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
- If a registered delegate does not cancel and fails to attend the summit, this will be treated as cancellation and no refund or credit will be issued.
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- **Registration fees above EXCLUDES the following entitlements:** Travel costs and accommodation.

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