***Career profile of Masemola Makhutse Clive***

Clive Masemola a Certified Natural Scientists: Level B Registration number: 300002/14, a member of the South African Society of Crop Production: M162S and Southern African Society of Horticultural Science: MF011. Clive I also an ordinary member of the Fertilizer Society of Southern Africa and a certified BASOS Fertilizer advisor and irrigation scheduling advisor SWB irrigation calendar for smallholder and emerging farmers.

**PERSONAL DETAILS OF MASEMOLA MAKHUTSE CLIVE**

Initials and surname: Makhutse Clive Masemola

Criminal record: None

Drivers Licence: Code B

Contact details: Email: [masemolamc@hotmail.com](mailto:masemolamc@hotmail.com)

LinkedIn connection: https://za.linkedin.com/in/makhutse-clive-masemola-a9073167

Cell: 076 958 22 55

**EDUCATIONAL QUALIFICATION**

Matriculation**:** Derek Kobe Senior Secondary High School

Senior Certificate: Completion date: 2006

Name of institution: Tshwane University of Technology

Course: B.Tech in Crop Production

Year completed: 2012

**Post graduate studies**

MSc Agric: Crop Production at UNISA: Florida campus student studying Nutritional Water Productivity and Metabolomic of African Nightshade (Solanum retroflexum), He is supervised by Prof Gerhard Prinsloo and Dr Melake Fessehazion.

Completion date: October 2018

**SHORT COURSE COMPLETED AND PASSED**

**Name of institution: Fertilizer Society of Southern Africa FertaSA (Registered fertilizer advisor)**

FACTS course: Fertiliser Advisors, Certification and Training Scheme/BASOS course facilitated by the fertilizer society of Southern Africa, FACTS (BASOS) number : A0627

**Name of institution: AVCASA (Registered agrochemical advisor)**

FACTS course: Association of Veterinary and Crop Association of South Africa number: A0627

1. **Name of employer: University of Stellenbosch:** Faculty of AgriSciences

Position: Department of Agronomy: Technical Officer

Date of employment: 20 February 2020

* General supervision of research greenhouses and glasshouses & agronomic open field crops.
* Maintaining tunnels, greenhouses and glasshouses, including the irrigation systems;
* Planning and managing contract research projects; liaising with industry partners; drawing up trial plans; collecting and reporting trial data;
* Administrative and financial management of greenhouse research funds;
* Providing technical assistance with research and postgraduate student training;
* Providing technical and administrative support to undergraduate modules and practical sessions, as well as liaising with industry partnership.
* Manage trials from Sakata Southern Africa, DVA agriscience, Yara fertilizer, SQM fertilizer and Humfert

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* Good working knowledge of Microsoft Office Suite (Word, Excel, Power Point, Outlook) to create documents and spreadsheets, maintain and update databases, and develop presentations.
* Familiar with agricultural production, regional, continental global agricultural trade concepts, and economic supply/demand concepts.
* Analyze statistical data and maintain data sets for accurate commodity and trade reporting.
* Drafts detailed, complex research reports on market commodities as required.
* Excellent time management skills to cope with the diversity of work and deliver on seasonal deadlines.
* Collaborate effectively with government, public, and private individuals to obtain information and resolve industry problems.

1. **Name of employer: Corteva Agriscience**

Position: Research Associate: Yield trials

Date of employment: 01 June 2018 to 15 January 2020 (20 months)

Reason for leaving: A technical advisory position was offered to me to use my BASOS and AVCASA qualification effectively.

* Grain yield trial testing in the Eastern Free State of South Africa.
* Liaise with Regional Product Agronomist and Sale representatives to identify new product testing sides.
* Plan, design and map the trial using statistical software with its recommended trial design as location.
* Plant maize and sunflower yield trials using a precision planter (Almaco 360 Seed Pro four row precision planter, equipped with Liquid fertilizer with different plant populations.
* Collect physiological data during the growth season (plant height, stand count, chlorophyll content).
* Combine harvest the trial and upload data on in-house research software, harvest master Grain Gauge.
* Communicate all the errors (human & mechanical) and problems encountered during the seasons with the Research Manager.
* Attend Corn tours with the Planter breeders, Agronomist and Regional Business Unit
* Mangers, give feedback regarding the growth season, management practices of the contracted farmers.
* Facilitate payment of grower contracts in time and secure fields for the next season.
* Attend and participate at hybrid advancement meeting.
* Facilitate handing over advanced and recommended germplasm to the regulatory team for registration.

1. **Agricultural Research Council-VOPI (March 2013- May 2018)**

* Develop fertilizer programs and irrigation scheduling for smallholder farmers and subsistence farmers. Solanaceae, Brassica, Cucurbits and root and tuber crops.
* Develop irrigation scheduling spreadsheets Soil Water Balance (SWB) crop model irrigation calendar for smallholder and emerging farmers.
* Co-ordinate and facilitate and supervise agricultural development projects and provide technical and agronomic support.
* Conducted field research for open field, rainshelter, glass & greenhouse trials per season.
* Ensure the alignment of business plan and programme and projects. Identify risks and challenges and monitor food security programmes.
* Conducted main research activities at various locations as directed by the research manager
* Conducted trial activities in terms of predetermined protocols as directed by the Research Department and Research team manager.
* Identified possible trial venues and traveled to these venues to perform trial work.
* Conduct and training on new and existing cultivation and best management practices.
* Drafting appropriate literature in respect of research work carried out.
* Compilation of trial reports
* Following trial protocols when conducting trials and when collecting residues.

1. **. Name of employer: Omnia Fertilizer**

Position: Greenhouse assistant

Department: Agronomic Research & Development Greenhouse pot trial

Date of employment: 08 September 2010 to 30 March 2012

Reason for leaving: Contract ended

Omnia fertilizer (Pty) Ltd Agronomic R&D Greenhouse Pot Trials

September 2010 – March2012 (2 year 9 months) Sasolburg-free state

Duties and responsibilities -Trial preparation: filling pots with growth media and labelling treatments. -Trial implementation: weighing fertilizers to be applied or measuring products applied to soil or as a foliar application, laying out trial's according to statistical design description in the trial protocol -Trial management: Irrigation of pots, preparation of hydroponic fertilizer solution, analysing leachate obtained from pots using pH and EC meter and accurate application of pesticides and fungicides.

**Reference**

Position: Indigenous Vegetable Team: Junior Researcher

Contact details: 060 864 5907/ 072 023 1881 aubrey.mbave@gmail.com

2 Name: Tshepo Maeko

Position: ABSA Agribusiness Manager

Contact details: Koema19@yahoo.com

3 Name: Mr Kobus Synman

Position: General Production manager: Qutom farms

Contact details: 079 883 6384/ 011 946 1889 [kobus@qutomfarms.co.za](mailto:kobus@qutomfarms.co.za)

4 Name: Dr Martin Maboko

Position: National Group Horticulturalist

Contact details: 083 752 5787/ martin.maboko@hygrotech.com

5 Name: Mr. Tlou Mokwatedi

Position: Senior Research Associate

Contact details: [Tlou.mokwatedi@corteva.com/tloumokwatedi@gmail.com/](mailto:Tlou.mokwatedi@corteva.com/tloumokwatedi@gmail.com/) 064 751 3930

6 Name: Professor Wim van Averbeke

Position: Research professor: Research and soil science

Contact details: 012 382 5777 [WvanAberbeke@tut.ac.za](mailto:WvanAberbeke@tut.ac.za)

7 Name: Dr. Marcellous Le Roux

Position: Agronomy & Vegetable Lecture

Contact details: 082 563 1688

Email address:lerouxmarcelous4@gmail.com