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COMPANY PROFILE.

PUNO - SELEMO LE MAREGA

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BRIDGING THE GAP BETWEEN WASTE TREATMENT AND AGRICULTURE.



ORGANIC WASTE TREATMENT:

Maysene Agric facilitates landfill waste diversion and collects sorted organic waste from businesses like shopping centres, hospitals, casinos, factories and farms and combines it to make a mixture where the waste will be consumed by black soldier fly larvae (BSF) and converted into valuable products like Black Soldier Fly Larvae protein, Black Soldier Fly Larvae Powder, Black Soldier Fly Larvae Organic Frass Fertiliser and Fermented Digestate liquid Fertiliser as well as renewable energy and biogas.

Consumer consciousness is on the rise, and with this comes scrutiny over the way that businesses and governments are disposing of waste. With the increasing public pressure on minimising environmental damage, it is becoming imperative that all businesses manage and reduce their waste as well as the carbon emissions being released as a result of their operations.

Maysene Agric seeks to use a combination of nature and scientific process to create a sustainable waste management solution that will take the pressure off on our clients. Thus expanding the circular economy around waste.

Reducing organic waste to landfill is not only a consumer concern, the Western Cape government has integrated organic waste management into their climate control legislation and have put concrete limits to defer 100% of organic waste from landfills by 2027.

50 % of annual landfill contributions are organic waste which amounts to 19 000 000 tonnes a year. The goals set out in the National Development Plan specify that the onus will be on individual businesses to ensure that their waste is diverted from landfills.



BLACK SOLDIER FLY LARVAE AS ANIMAL PROTEIN.



Soybean meal has been a staple animal protein feed additive in South Africa since 1991. The crop is not suitable for South African weather conditions because of its reliance on heavy irrigation; and under drought conditions, South Africa produces 765 560 tons of Soy annually and imports an additional 560 650 tons in the same period. Black Soldier Fly Larvae is a highly efficient sustainable substitute to maintain a consistent supply of animal protein independent of drought and weather conditions; at a fraction of the land and water usage.

Black soldier fly larvae nutritionally have similar qualities to Soy and can replace Soy and Fishmeal 1:1. The species was selected for breeding due to its high crude protein (35%-50% depending on feed content) and crude fat content (15-23% depending on the feed content), the larvae also boast a rich amino acid and nutrient content, that also lower the need for other supplements like lysine, alanine, arginine, aspartic acid, glutamic acid, isoleucine, leucine.

Black Soldier Fly Larvae help to provide fish, poultry, ruminants and horses with a more well rounded, nutritionally complex feed that show similar results as soy in meat production and increases egg laying rates in poultry production.

The production of BSF would not only contribute to hitting waste diversion targets but also would begin to localise animal protein production.

OUR PRODUCTS.



BLACK SOLDIER FLY LARVAE

- Larvae fed to livestock as animal protein additive.
- Replaces 50% of poultry feed and 30% of ruminant and livestock feed.



BLACK SOLDIER FLY PRODUCTS

- Larvae are radiated and dried to increase shelf-life. We sun dry the larvae in a controlled setting to retain the nutritional content
- The dried larvae are also processed to make pellets, powders and oil as feeds



BONE MEAL

- Unprocessed bone from the waste mix are separated from the waste generated fertilizer. The bones are ground down into an agricultural calcium additive for vegetables, home and commercial gardens.



FERTILISERS

- The waste fed to the larvae creates a nutrient, weed free organic rich frass fertiliser.
- The fermented digestate liquid is another organic fertilizer suitable for lawn and crops.



BIOGAS / ELECTRICITY

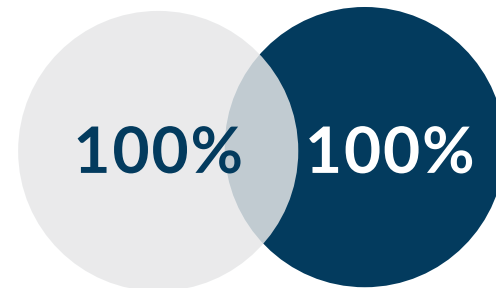
- Our waste treatment process ensure that methane and other harmful greenhouses gases are harvested to be converted to biogas and electricity as a gift to natural resources.

BEE STATUS.

BLACK OWNED



 FEMALE OWNED
 YOUTH OWNED



CUSTOMER BBBEE BENEFITS FOR PROCURING FROM MAYSENE AGRIC

- Procurement recognition of 135% towards procurement spend on Empowering Suppliers
- Procurement spend on EME
- Procurement spend on Empowering Suppliers that are more than 51% Black Owned

LEADERSHIP TEAM.

KS

KGOPOTJO SEMENYA
FOUNDER, MANAGING DIRECTOR

Kgopotjo is currently pursuing a BSc in Life Sciences and Biotechnology.

PS

PHUTI SEMENYA CA (SA)
CHIEF FINANCIAL OFFICER

Phuti has over 23 years of experience cutting across various industries, giving him immense experience. Phuti spent six years in a manufacturing company moving large quantities of goods and more years in the FMCG retail sector. Phuti is a Chartered Accountant and holds a Master's Degree in International Accounting.

RS

RENEILOE SEMENYA
HEAD OF MARKETING

Reneiloe has accumulated a wealth of experience in the electricity industry for over a period of twenty years. She holds a Post-Grad Diploma from business school and a Degree in Public Administration, Communication, Public Relations and a Digital Marketing qualification. In conjunction, Reneiloe regularly engaged with various stakeholders like regulators, government, civic organisations and other community-based organisations to initiate infrastructure development and maintenance efforts and most importantly, ensuring projects are executed safely, in line with economic, social and environmental regulations.

