



**HALOGEN
GREENS**



HALOGEN GREENS

ELEVATING CROP PROTECTION, NATURALLY

1 Cor 3:6-7 (KJV)

COMPANY PROFILE

“Divine Science for Earth’s Abundance”

www.halogengreens.com

01. ...

Table Of Content

- 1 Table of Content
- 2 Welcome Message
- 3 Vision and Mission
- 4 Our Near Future Goals
- 5 How It Works
- 6 Redox Potential
- 7 Field Trial Results
- 8 Field Trial Results
- 9 Field Trial Results
- 10 Global Expansion
- 11 Touch Base with Us
- 12 Corporate Identity
- 13 In Association With
- 14 Contact Information



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02. ●●●

Welcome Message

Welcome to Halogen Greens (Pty) Ltd

At Halogen Greens, we believe true agricultural prosperity comes from aligning with nature's divine balance. Our pioneering fertilizer is **more than a product - it's a fresh approach to farming.**

The majority of our trials have shown promising outcomes: stronger crops, bigger root development, visibly improved soil health, increased yields, and fewer harmful residues. While more research is ongoing and the product remains in its trial phase, **early results suggest a real shift toward sustainable agriculture.**

Patent-pending globally and in the midst of being registered as a **Group 3 Bio Stimulant** - our product breaks the mold with its high absorbency and ultra-low nitrogen content, setting it apart from conventional fertilizers. Combined with **over 90% less CO₂ emissions than standard fertilizers** in our manufacturing and application process - our solution supports both ecological and agricultural health.

We're committed to empowering farmers with **innovative, Biblically aligned tools** that restore the balance in crops and soil and protects future generations. **Every harvest brings us closer to that.**

This document outlines **our vision, our product, and the impact we're already seeing.** Join us as we transform farming - one field, one farmer, one breakthrough at a time.

Welcome to the future of agriculture.



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03. ●●●

Vision

A world where:

- Every field thrives **with reduced chemical dependence**
- Farm workers are protected from **health risks**
- Consumers enjoy **purier, sweeter produce**
- Soil regains **God-given fertility**



Mission

To provide an agricultural solution that **strengthens global food security,** and **supports sustainable, climate-friendly** farming for farmers everywhere.

04. ●●●

Our Near Future Goals

To be able to provide results
in accordance with:

The UN Sustainable Development Goals

The UN Paris Agreement

The EU Farm to Fork Strategy

An unmatched ESG impact

South Africa JET Investment Plan



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How It Works



Based on ongoing observation and field trials, our fertilizer has shown encouraging results in supporting healthier, stronger and more productive growth.

PROCESS

- **pH/Eh Modification**
- **Brix Elevation**
- **Chemical Process**

BENEFIT

- Enhances nutrient uptake of conventional fertilizer
- Stronger, sweeter crops that naturally shows resistance to pests and disease
- Non-toxic

Key Advantages



Stronger Crops Equate
Less Disease and Pests
High Success Rate on
ALL TRIALLED CROPS

06. ●●●

Redox Potential



Redox (Eh) refers to reduction - oxidation processes.

Oxidation is the **loss of electrons from an atom, ion or molecule**, and results in an **increased positive charge (+mV)** or a **loss of a negative charge**.

Reduction is the gain of electrons and results in an increase of negative charge (-mV).

All chemistry in general is driven by Redox reactions and plant growth involves highly complex chemistry within plant cells.

Thus, plant growth is influenced by chemical Redox reactions and the combination of **Redox and pH is critical in maintaining healthy plant growth and development.**

Elemental ratios and EC, influence Redox potential.

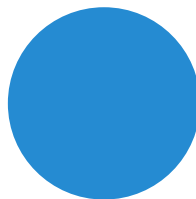
Most people look at plant growth independently - using either, or EC and pH (illustrated below) and can't correlate why pathogens and insects are problematic during plant growth.

Side View



EC has Redox Potential

Top View



pH

3D View



Redox + pH
(and using EC as a reference)

All living organisms use chemistry in one way or another and are dependent on electron flow - the fundamental basics of Redox reactions.



07. ●●●

Field Trial Results



**Nature's hunter
came home**



**Growth beyond
measure**



**A tiny guardian
returns**



**Roots run
wild**

"Farmers report our product makes plants 'happy' - they grow as if blessed."

08. ●●●

Field Trial Results



Left leaf without
versus
Right leaf with our product at harvest stage

Cut back trees
30-50cm growth in 5-weeks after treatment



COMPARISON BETWEEN TWO CITRUS LEAVES
Showcasing Chlorophyll Enhancement and Distribution
Left Leaf **UNTREATED**
Right Leaf **TREATED**



ROOIBOS TEA 2 WEEKS AFTER GERMINATION
Close up of Crops
Untreated (LEFT)
vs.
Treated (RIGHT)



09. ●●●

Field Trial Results

Significant growth observed in Roots:

Untreated

Small and Short
Roots
(LEFT)

versus

Treated

Long and Thick
Roots
(RIGHT)



Treated

Big and Strong Roots
(LEFT)

versus

Untreated

Thin and Weak Roots
(RIGHT)



10. ●●●

Global Expansion



Growth Pathway

- 2025: Stellenbosch University trials – Vegetables, Wheat, Canola
- 2026: Acquire pending worldwide patent
- 2026: Acquire Carbon Credit Agreements
- 2026: Presence in all of 9 South African Provinces
- 2026: Canada market entry
- 2026: EU/USA/Mexico expansion

Potential Future Strategic Allies

- Woolworths & representative farmers
- Pick n Pay & representative farmers
- Financial Institutions' ESG Divisions



11.



Touch Base with Us

● Head Office

- Roodepoort - Gauteng

● Manufacturing Plants

- Tarlton - Gauteng
- Citrusdal - Western Cape

● Depots

- George - Western Cape
- Groblersdal - Limpopo
- Nelspruit - Mpumalanga
- Kirkwood - Eastern Cape
- Polokwane - Limpopo



12. ...

Corporate Identity



Specialization

Group 3 Bio Stimulant
(Trials Underway for Registration)

Status

- Pending Worldwide Patent
- Conducting Trials

“We’ve unlocked nature’s perfect balance - no compromises”

13. ●●●

In Association With

Prof. Wayne Truter

PhD, MSc. Agric, BSc. Agric, LRS, MGSSA, IAEA, Pri. Sci. Nat.

Chairman of the Executive Board / Scientific Committee - FPLRI Research and Innovation Institute

Professor (Research) / Executive Manager - University of the Free State: GREEN FUTURES HUB

FPLRS Research Programme Leader / AF4RICA Lab Director - Enterprises University of Pretoria

(Undergoing Trials for Our Registration)



Willem Gericke

Master of Science (M.Sc. Agric), Agronomy (Stellenbosch University)

Consultant / Entrepreneur - Cultivo Consult

Specializing in Controlled Environment Agriculture (CEA) and Greenhouse Cultivation

Specializing in Fertilizer Recipes



Dr. Michelle Thiebaut

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Contact Information

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