



Kudyara
AGRICULTURE

| Kudyara Agriculture - The Future Today

Hydroponic Green Houses

Climate-Smart Agriculture Business Pitch Deck

Vision and Mission



"To revolutionise farming with innovative, sustainable and efficient hydroponic systems".

Kudyara Agriculture's mission is to revolutionise Zimbabwe's agriculture sector through innovative, sustainable greenhouses and climate-smart solutions, promoting food security, climate resilience and resource efficiency in peri-urban and urban areas.



The Problem

Limited Access

Many peri-urban and urban areas lack access to fresh, locally sourced produce, leading to food insecurity and reliance on imported goods.

Climate change

Erratic weather patterns and prolonged droughts affect traditional farming, resulting in reduced crop yields and agricultural vulnerabilities.

Resource Scarcity

Conventional agriculture consumes substantial water resources, putting strain on scarce water supplies and depleting natural resources

Our Solution

Introducing Hydroponics

Enhanced Productivity

Results in higher crop yields and faster growth rates, meeting market demand and reducing food waste

Hydroponics

Our innovative hydroponic systems provide a climate-smart solution for year-round, resource-efficient cultivation of fresh produce in sustainable greenhouses.

Empowering Communities

Equipping farmers with new knowledge and expertise

Limited reliance on Soil

Crop root systems receive specific liquid based nutrition



Green House Example

Hydroponics is unaffected by weather fluctuations, ensuring consistent crop production even in adverse conditions.

GLASS GREENHOUSE
SETUP COST
USD 30K

Our Approach



Climate-Smart Greenhouses

State-of-the-art technology for year-round cultivation.

Resource Efficiency

Water-saving hydroponic systems with up to 90% less water usage.

Optimal Yields

Higher crop productivity through precise nutrient delivery.

Eco-friendly

Controlled environments minimize environmental impact.

Business Model

Sales of Hydroponically Grown Produce:

We generate revenue by selling fresh, locally sourced, and climate-smart hydroponic produce to urban consumers, restaurants, hotels and grocery stores.



Consultancy Services: We offer training and support to farmers and entrepreneurs adopting hydroponics, generating income through consultancy fees.



SWOT Analysis



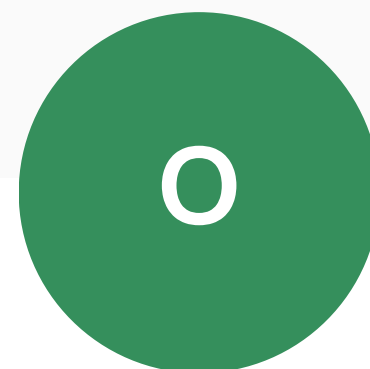
STRENGTHS

- Resource efficiency
- Year long cultivation
- Higher yields



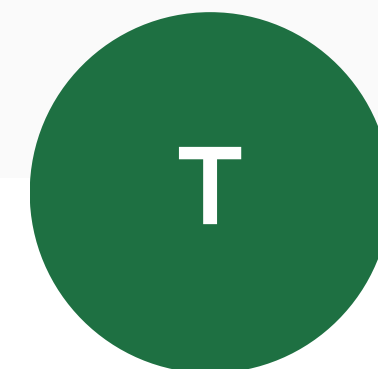
WEAKNESSES

- Significant initial investment
- Need to continue to grow awareness



OPPORTUNITIES

- Climate resilience
- Diverse crop cultivation
- Knowledge sharing



THREATS

- Economic fluctuations

Budget for 1000sqm Greenhouse for Tomatoes

Items	Cost in USD
Seedlings	\$466,76
Fertilizers	\$2 092,00
Fungicides	\$260,00
Pesticides	\$375,50
Accesories	\$208,36
TOTAL	\$3 402, 62

Sales Value for Tomatoes

15kg

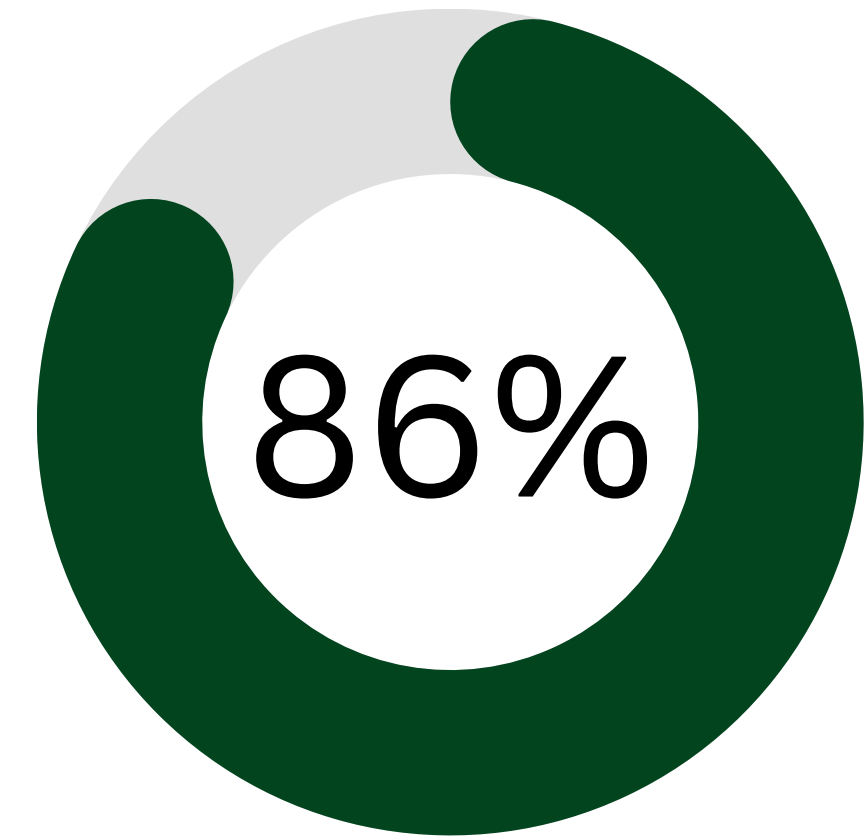
Expected Yield per plant

50 010kg

Total Yield per 1000sqm

USD 6,35

Return per dollar



Gross Income: USD 25 005

Gross Margin: USD 21 602

Our Current Market

Zimbabwe Market

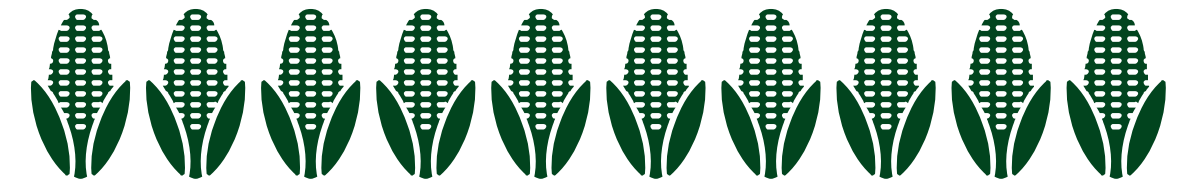


- Zimbabwe's agriculture sector is a critical component of its economy, contributing over 15% to the country's Gross Domestic Product (GDP).
- The population heavily relies on agriculture for livelihoods, with over 60% of the population engaged in farming activities.
- The fresh produce market in Zimbabwe is valued at approximately USD 2 billion annually, with an increasing demand for locally sourced, nutritious and sustainably grown products.

POPULATION: 15 million

Current Stages of development

Hydroponics Agriculture



Sustainable Consulting



Agro-processing products

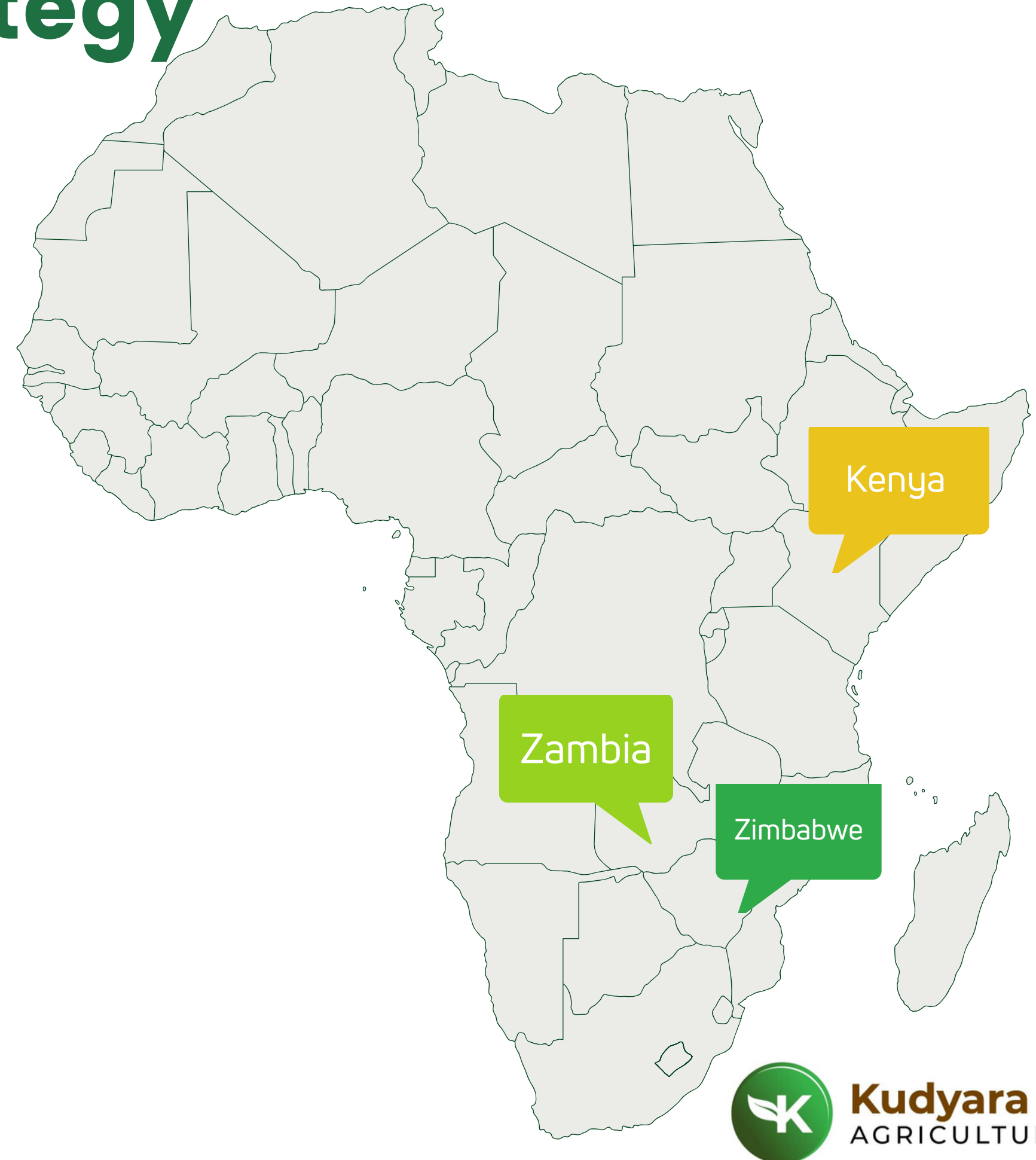


Regional Expansion Strategy

Timeline Highlights:

- 2024: Entry into Zambia, first hydroponics farm.
- 2025: Expansion in Zambia, scaling operations.
- 2026: Consolidation in Zambia, agroprocessing integration.
- 2027: Entry into Kenya, establishment of hydroponics farm.
- 2028: Growth in Kenya, expanding market reach.

This market expansion strategy capitalises on the potential offered by the AfCFTA, allowing us to introduce sustainable, locally sourced produce to new markets, contribute to regional development, and foster a greener future in Zambia and Kenya.



Implementation Roadmap



Zimbabwe (2023 - 2025)

Establish a hydroponics farm in Zimbabwe to introduce the benefits of our hydroponic technology. Leverage the African Continental Free Trade Area (AfCFTA) to facilitate produce exportation.



Zambia Entry & Scale (2024 - 2026)

Strengthen our presence in Zambia by integrating agroprocessing units, creating value-added products, and enhancing market access for Zambian-grown produce.



Kenya Entry (2027-2028)

Extend our market expansion to Kenya, establishing a hydroponics farm and leveraging the lessons learned from the Zambian expansion. Initiate partnerships with Kenyan stakeholders.



AfCFTA Implementation (2024 - 2028)

Utilize the AfCFTA to streamline trade processes and export hydroponically grown produce to member countries, fostering regional food security and economic growth.

Priority SDGs



SDG 2

Hydroponics ensures year-round cultivation of nutritious produce, addressing food shortages and increasing local food availability.



SDG 6

Hydroponics utilises up to 90% less water, promoting responsible water management and conservation.



SDG 12

Hydroponics' precise nutrient delivery reduces food waste, supporting responsible production and consumption.

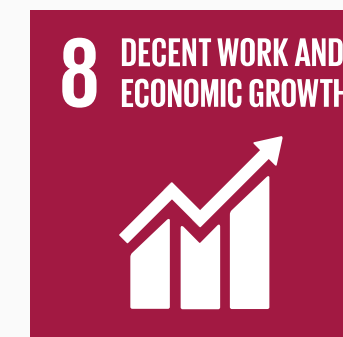


SDG 13

Climate-smart greenhouses and hydroponics offer climate-resilient agriculture, mitigating climate risks and ensuring consistent crop production.



Additional SDGs



Our Team

The Kudyara Agriculture team is passionate about sustainability, food security and community development.



Takudzwa Kangai
CEO

Visionary leader who is committed to driving positive change in Zimbabwe's agriculture sector, empowering farmers with innovative technologies like hydroponics and sustainable greenhouse systems.



Elizabeth Stephens
Chief Operations Officer

Senior Clinical Analyst and Project Manager with more than 18 years of Healthcare Expertise and Leadership Experience. MBA with an Emphasis on Economics from Middle Tennessee State University, Tennessee, USA.



Wisdom Mutsikamahwe
Accounts Director

A Certified Chartered Accountant with 10 years Accounts Management experience.



Tapiwa Mugabe
Technical Director

Greenhouse Specialist with 12 years experience in Greenhouse Construction & Agronomy.



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Thank You

Let us build a sustainable
future together



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