

n-BIO-BASED FERTILIZER- PLUS (n-BbF-Plus)

Properties sold in n-BbF-Plus

- *High in Nitrogen levels*
- *Immuno-boosting capabilities*
- *Affordable to farmers*

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Product Link <https://www.youtube.com/watch?v=Hol3AQPuyAQ>

CLIMATE CHANGE MITIGATIONS IN THE RICE SECTOR

This has been achieved through;

BbF-Plus

Better nutrition levels

Purely organic

Resistance to nematode
attack

AVAILABLE IN
50KG
25KG
10KG
5KG

Nitrogenous Bio-based Fertilizer

BbF is has the following
properties:

- a) It has enhanced
nitrogen levels (up to 15%)
- b) Promotes carbon
sequestration - hence can
earn green credit.

Drought tolerant rice

With the inevitable climate
change, drought tolerant
rice require less water and
thus can grow under
rainfed conditions.

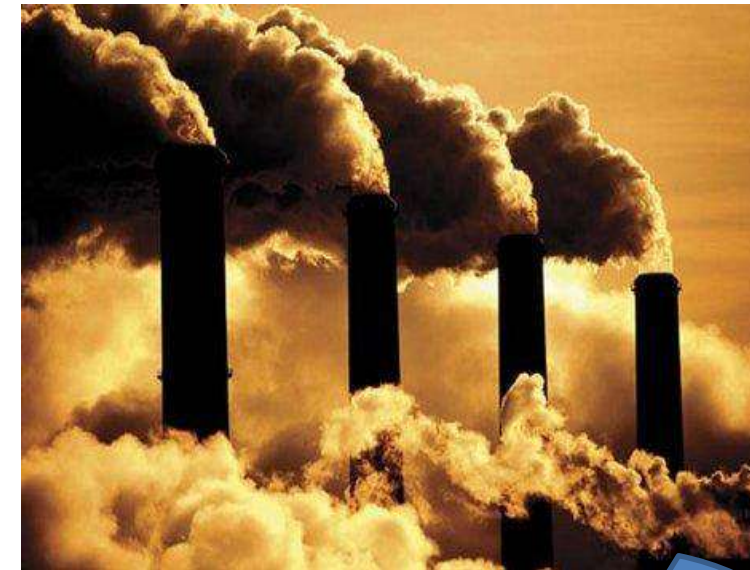


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THE WORLD OF CHEMICAL FERTILIZER, WHAT IS CURRENT?

- More nitrogen is required to grow crops to feed 8 billion in the world
- What is the current source of nitrogen? chemical fertilizers



Chemical fertilizers cons;

50kg bag is over USD 39.75 hence unaffordable
Produce about 2.6 giga tonnes of global CO2 pollution

PROBLEM STATEMENT

- ❖ Inadequate **affordable nitrogen-rich** bio-based fertilizer in the market leading to low yield among over 45,000 farmers producing organic food in Kenya
- ❖ This hinders their ability to increase food production hence persistent organic food shortages

GOAL

Producing organic nitrogen-rich Bio-based Fertilizer (n-BbF)-Plus that is 30% lower in cost compared to the existing market options for organic food producers in Kenya

OBJECTIVES

Objective 01

Utilizing agro-waste to produce nitrogen-rich bio-based fertilizer n-BbF-Plus 30% lower in cost than chemical fertilizer for increased production of organic food among farmers in Kenya



Objective 02

Enhancing level of nitrogen in n-BbF-Plus to over 15% n-level for increased plant nutrition and food yields among organic food farmers in Kenya



Objective 03

Boosting plant immunity to reduce use of chemicals in disease control among organic food farmers in Kenya



OUR TARGET AUDIENCE

ORGANIC FOOD PRODUCERS

- a) Over 45000 organic food farmers in Kenya
- b) Residents growing potted plants in flats
- c) Kitchen garden farmers
- d) Commercial seedling producers



WHAT ARE WE SELLING in n-BbF-PLus?

1. **Over 15% Nitrogen level in n-BbF-Plus.** Nitrogen makes plant grow healthier hence increased food production
2. **Affordable n-BbF-Plus:** Cost of this fertilizer is 30% less than that of chemical fertilizer hence affordable
3. n-BbF-Plus that **immunizes** Plants against nematodes and fungal diseases leading to reduced use of chemicals hence reduce pollution
4. n-BbF-Plus with the ability to **sequesterate** carbon dioxide and reducing pollution by 1%





Year 1
10 tones



Year 2
400tonnes



Year3 Quarter
700tonnes



Year 4
1000tones.

Timelines

n-BBF-PLUS
PRODUCTION
VOLUMES

OUR COMPETITORS



Calcium Ammonium Nitrate

Chemical fertilizer
producers



House hold
Manure.



Organic
Fertilizer
producers



Our Statistics

- ❖ There are over 45000 organic farmers mainly located in counties in central Kenya with a demand of over 40,000 tonnes of fertilizer in the next 2years
- ❖ What you need to know is the potential turnover is over USD 15,600,000.00 annually
- ❖ Our product will be packaged in 50Kg, 25kg, 10kg 1kg and 100gram bags.
One (1) KG is selling at USD 0.40

OUR IMPACT

Impact 01

Enhancing Agro-value chain and create over 300,000 jobs in the next 5 years



Impact 02

Bio-based Fertilizer have reduced price compared to chemical fertilizer



Impact 03

Reduced emission of greenhouse gases into the atmosphere by 600000 tones of carbon dioxide each year



OUR FUTURE GOALS

Goal 01

Enlarging the n-BbF-Plus factory

Goal 02

Collaborating with EAC Partners

Goal 03

Producing n-BbF-Plus for use other than organic food producers

Goal 04

Formulate n-BbF-Plus enriched with, Phosphorus and Potassium



OUR ASK

USD 1,064,000.00

For upscaling the n-BbF-Plus factory

Automat Production












Branded Packaging



Alternative power source



STAKEHOLDERS

	FUNDING	ADVISORY	INVEST
UOEM			
Stakeholder Name			
NRF / KENIA/BRITISH COUNCIL			
Stakeholder Name			
VICTORIA VENTURE			
Stakeholder Name			

Our Team



Prof. Paul Nthakanio
Principal Investigator



Faith Gatere- Msc Student
Technical Production Lead



Moses Mboya= Msc Student
Head of Logistics



Beatrice Nyankemba- MSc Student
Head of Knowledge Dissemination



Benjamin Njuguna – MSc Student
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THANK YOU
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