



# ULTRA EFFICIENT FERTILIZER TECHNOLOGY



Situation

MORE



Technology

MORE



Protection

MORE



Science

MORE



Product

MORE



## Presentation Content



The Presentation  
Highlights of an  
innovatively **designed  
technology for soil and  
plant health.**

Accelerates plant growth  
and improves yields,  
while **lowering overall  
costs, significantly  
reduce carbon dioxide  
emissions, reduce water  
consumption by 70%, and  
reduce the use of  
conventional fertilizers  
by up to 75%.**

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## Ikue AgoTech advantages



- Nono and Ionic technology **increase photosynthesis.**
- Significant **increase in green mass**
- **Increase total production** up to 100%
- **100% natural** mineral Products
- **Reduce water demand** by up to 70%
- 98% conventional fertilizer reduction
- Lower transportation & storage costs
- Shorten the growth period by up to 30% (rapid growth of diarrhea)
- **Less expensive** than conventional fertilizers
- Special preventive measures to **control fungi, insects and plant diseases by improving resistance**
- **Increase the dry mass** of the fruit
- **Boosts the quality** of the fruit & taste
- **Reduces soil salt and acidity** and prevents it from overflowing
- **Restoring the soil** by eliminating additional chemical fertilizers.

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# **We have developed a fertilizer that protects natural food sources and chains**



Presentation  
Directly addresses  
widespread degradation  
of agricultural land  
caused by conventional  
fertilizers and  
cultivation methods.

We offer strong  
Prevention Solutions  
More damage and  
Supporting more  
sustainable practices  
that protect agricultural  
resources  
for future generations.

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## Degradation of agricultural land Caused by conventional fertilizers



We regenerate soils that  
have been **damaged by  
conventional fertilizers.**

Improving soil health,  
quality and sustainability  
while using 100% natural  
ingredients.

Driven by **nano and  
ionic technology** and  
powerful digital tools.



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Field  
Emission



Production  
Emissions

## We protect the environment



Significantly reduce carbon dioxide emissions in logistics and the agriculture sector.

With 5 grams per hectare Ikue AgroTech we are far below average 50-800 kg per hectare Conventional Fertilizer

COMPARISON SHEET



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## We protect agriculture



We support more sustainable practices that protect agricultural resources and **restore the soil damaged, improve soil health, quality, and sustainability.** Using 100% natural ingredients driven by nano and ionic technology.

**Reducing toxic conventional fertilizers up to 75% and enable less use of machinery and storage to reduces costs and co2 emissions.**

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**We protect water resources**

**69% of the fresh water  
available worldwide is used  
in agriculture**

**Reducing water consumption**



**Acceleration**  
**Photosynthesis reduces**  
the vegetation period and  
thus we can save up  
to 70% water and  
**Reduce overall costs.**

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# Cost - Effective Farming

Fertilizer costs reduction **\$9 per hectare**, significantly cheaper than nitrogen (\$50–150/ha) and urea \$30 – 100 hectare.

Key Savings at Scale (1,000,000 Hectares)

- Fertilizer volume reduced by: 1,000×
- Warehouse size reduced by: 99.9%
- Construction costs saved: \$6.2 million
- Annual operational cost savings: \$100,000



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## Powerful Tools Integration

Monitoring & manage field variability in crops. Using drones with GPS, sensors, & data analytics. **Optimize inputs** such as water, fertilizers & pesticides for efficiently and sustainably.

Digital agriculture **enhances crop yields**, reduces waste, & minimizes environmental impact. **Finding and avoid causes** means **more productive** and eco-friendly farming practices.

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# Ionic Tech



## IKUE IONIC TECH

It is an advanced fertilizer innovation that activates **natural ionic processes within plants**, enhancing growth, nutrient absorption, and overall plant health through micro stimulation.

## WHAT IS IONIC TECH?

IONIC TECH refers to the **activation of positive (cation) and negative (anion) ions** in the plant system.

These ions are essential for nutrient transport, regulation of metabolism, and **ensuring healthy growth.**

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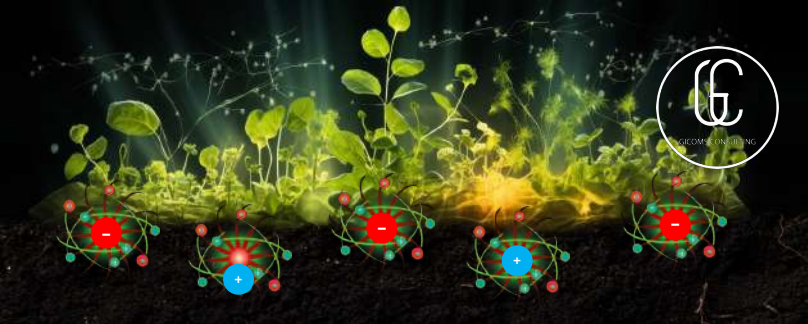
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## How IONIC Works



### Stimulates Ion Channels:

The unique formula **enhances the movement of ions** across cell membranes, optimizing nutrient absorption.

### Activates Enzymes & Hormones:

The ionic stimulation triggers vitalenzymes & natural growth hormones (auxins, cytokinins), improving growth speed and resilience.

### Boosts Stress Resistance:

Plants treated with Ikue fertilizer show **higher tolerance** to drought, salinity, and disease due to ionic balance and cell wall strength.

### Boosts Photosynthesis & Roots:

By activating  $Mg^{2+}$  and  $PO_4^{3-}$ , the fertilizer **increases energy production** & deeper, healthier roots.

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# Biological Value



**Biological Value and Efficiency**  
although the raw materials may appear **high in EC and arsenic per kilogram.**

**Ultra-low dose and advanced ionic technology from Ikue AgroTech:**

- Avoid toxicity
- Activate plant metabolism
- Improve yield and quality with minimal environmental burden

**Superior Efficiency:**

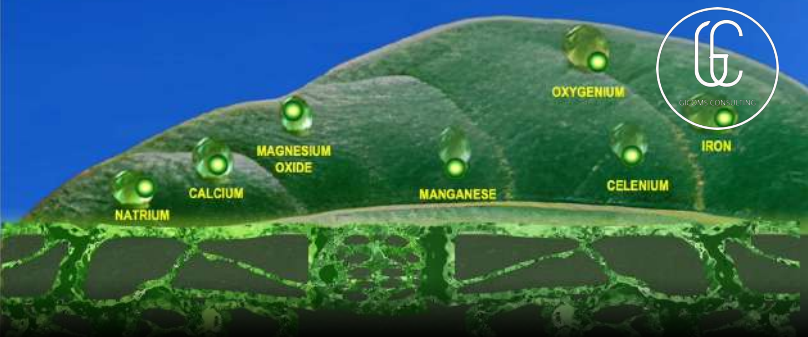
- 1 kg Coverage to 200 hectares
- Faster nutrient transport
- Reduces fertilizer waste

Parameter	Conventional Fertilizer	Ikue AgroTech Fertilizer
Application Rate	50-100 kg/ha	0.005 kg/ha
EC Impact on Soil	Medium to High	Negligible (0.0028 dS/m)
Arsenic Contribution	Can accumulate	Only 0.029 mg/ha
Ionic Activation	Passive uptake	Stimulated uptake
Efficiency	10-30% nutrient uptake	80-95% ionic absorption
Environmental Risk	Higher	Extremely Low

**Comparison Sheet**







## How Ikue AgroTech Works



The Nono particles opens the pores of the leaves and speeds up photosynthesis and the nutrients go faster than traditional fertilizer through the stomata (leaf organs) and through the entire system to the roots.

It higher metabolic processes, but also to other physiological processes (postmolenque) and ionic processes.



Watch the video deep in the leaves

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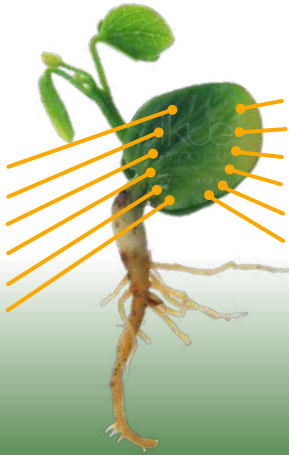
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## MINERALS

Calcium (CaO)  
Magnesium (MgO)  
Phosphorus (P)  
Molybdenum (Mo)  
Potassium (K<sub>2</sub>O)  
Copper (Cu)



Iron (Fe)  
Zinc (Zn)  
Manganese (Mn)  
Nitrogen (N)  
PH  
Sodium (Na)

## What is Ikue AgroTech



All nutrient components (including calcium, zinc, magnesium, phosphorus, molybdenum, potassium, copper, iron, manganese and others) are sourced from **100% naturally occurring minerals.**

The product is not chemically synthesized & does **not contain organic matter of plant or animal origin.** Therefore, it is not considered a chemical or organic fertilizer..

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Glass  
Pieces



## We protect food and health



Less pesticides.

The mechanical effect  
of IkueAgroTech keeps  
insects away from the  
leaves.

Silicate particles look like  
small pieces of glass and  
remain on the surface of  
the sheet.

There are very pleasant  
side effects that attack  
the nostrils and clog the  
organs of the respiratory  
system.

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## Success Stories



### TEST RESULTS FROM KENYA April – June 2025.

Vegetables such as amaranth, Sukuma wiki (kale) and spinach

The tests were carried out using conventional fertilizers currently available on the Kenyan market.

The farm was divided into equal plots for:

1. CAN – calcium ammonium nitrate
2. DAP – diammonium phosphate
3. Local fertilizers
4. Ikue AgroTech fertilizer
5. Control (no addition)



Video



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## Success Stories



### Are there any case studies?

Fertilizers have been used in many countries and in many plants and have achieved amazing results. Here are a selection of success stories, where the use of fertilizers has increased yield or rot and cured diseases & parasites.



Big Green Oak after 5 days compared with NPK Fertilizer. Quantity of seeds both the same.



Green Pak Choy after 5 days compared with conventional NPK fertilizer. Quantity of seeds both the same.

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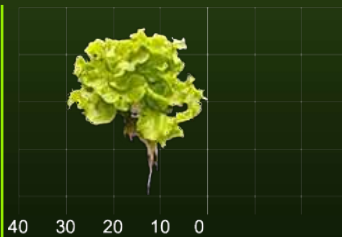
# Hydro Test Result Salat



## Type of fertilizer

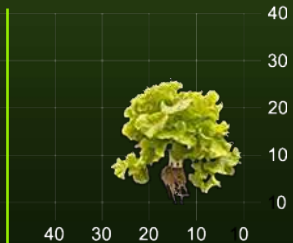
NPK 13-13-21      Period = 8 months  
IKUE AGROTECH      Progress = every 7 days

## Grow in water



**T 1)**

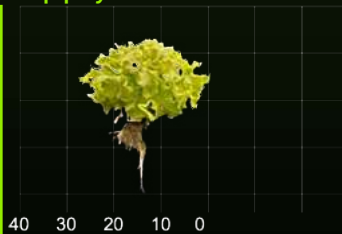
Fertilizer NPK100%



**T2)**

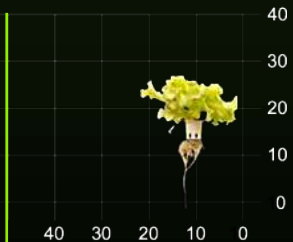
Fertilizer NPK 25%  
+ 75% IKUE AGROTECH

## Apply to Leafs



**T3)**

Fertilizer NPK 25%  
+ 75% IKUE AGROTECH



**T4)**

Fertilizer NPK75%



# Test Result Jinda Pepper



## Type of fertilizer

NPK 13-13-21 Period = 8 months

IKUE AGROTECH Progress = every 7 days





























## APPLYING NPK TO THE SOIL & SPRAYING AGROTECH ON LEAVES

T1) 14.0 Gram NPK + AGROTECH  
T2) 10.5 Gram NPK + AGROTECH  
T3) 7.0 Gram NPK + AGROTECH  
T4) 3.5 Gram NPK + AGROTECH

T5) AGROTECH RESH ONLY  
T6) 14.0 Gram NPK  
T7) Sprout



Request  
For full  
Test Report

T1 NPK + AGROTECH 14g Soil + Spray	T2 NPK + AGROTECH 10g Soil + Spray	T3 NPK + AGROTECH 7g Soil + Spray	T4 NPK + AGROTECH 3.5g Soil + Spray	T5 NPK 14g Soil	T6 AGROTECH Spray	T7 0.0	
							28 Days
							42 Days
							56 Days
							70 Days

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## Our Packing Sizes



10kg bag	= 500 hectares
1 kg box	= 50 hectares
Pack 25 g	= 1 hectare
25 Pieces	= 3 hectares

### TEST KIT



Order Product



Request Samples

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# Grow Funds



Ikue AgroTech integrates ultra-efficient fertilizers, agri-tech tools, and a harvest marketplace into a single digital platform powered by blockchain-based rewards and a gold-backed stablecoin (IAC).

The platform enables partners to earn additional funds through multiple revenue streams across the agricultural value chain. Every transaction fertilizer sales, tool usage, and harvest trading generates additional funds for each partner, humanity and agriculture project.

Using of gold based stable coin IAC, the platform facilitates fast, traceable, and low-cost payments across the agriculture value chain.

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# CONTACT

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