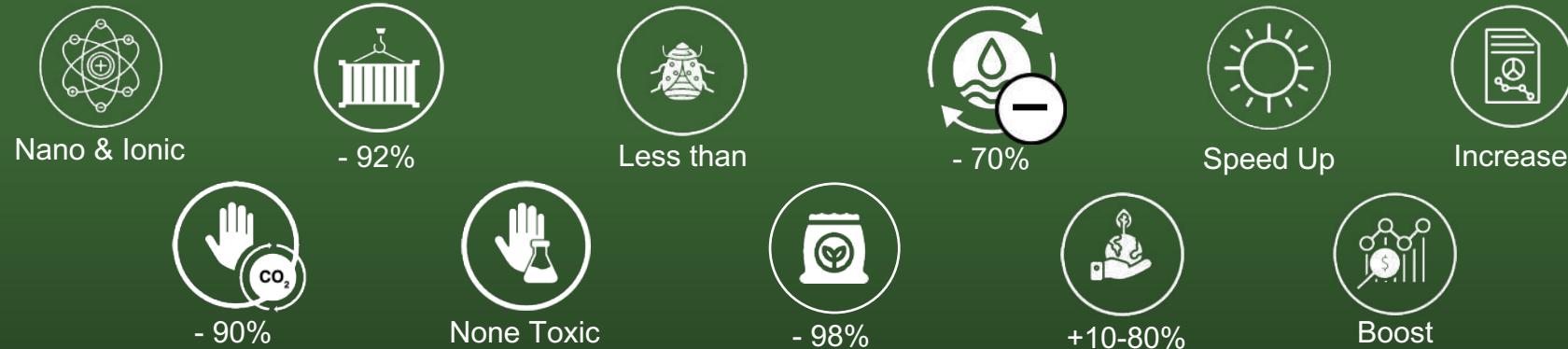




JOIN OUR HUMANITY  
PROJECT

ULTRA EFFICIENT FERTILIZER TECHNOLOGY



## Ikue AgoTech advantages

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- 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.



## Degradation of agricultural land caused by traditional fertilizer



Field N<sub>2</sub> O



Production CO<sub>2</sub>



Sea Fight CO<sub>2</sub>



Air Fright CO<sub>2</sub>



Road CO<sub>2</sub>

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

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

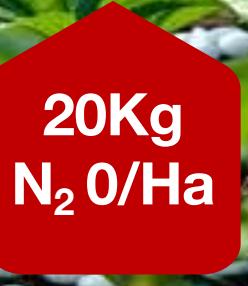
Driven by **nano and Ionic technology** and powerful digital tools. **Significantly reduce carbon dioxide emissions** in logistics and the agriculture sector.

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



COMPARISON SHEET





20Kg  
 $N_2O/Ha$

## WHY IT MATTERS !!!

Nitrous oxide is a strong greenhouse gas over **270 times** more harmful than CO<sub>2</sub>

When a farmer uses **100 kg of NPK fertilizer per hectare** (with 20% nitrogen), about **0.3 kg of nitrous oxide ( $N_2O$ )** is released. That's equal to around **86 kg of CO<sub>2</sub> emissions** per hectare.

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## We protect agriculture

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We support more sustainable practices that protect agricultural resources for future generations 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 agricultural machinery to reduces costs and co2 emissions.



Eliminate the situation



## Lower CO2 Impact & farming costs:

- 1 kg cover 200 hectares and Emissions are nearly eliminated. With just 7,500 tons of Ikue AgroTech fertilizer, 1.5 billion hectares can be treated.
- Transport cut by over 99%
- Cost reduction \$50–150 per hectare (Nitrogen) down to \$9 per hectare.

## Storage Cost Savings globally:

Savings:

23 billion \$

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## Harvest Increase

- Base Global Production:
- Yield Gain with Ikue AgroTech:

15.0 billion tons  
Min. + 1.5 billion tons  
Max. + 10.5 billion tons

We protect water resources 

## Smart Water Management in Agriculture:

69% of the world's available freshwater is used in agriculture.

This makes water efficiency a top priority for sustainable farming. Smarter plant stimulation means less water, faster growth, & higher profits.

Ikue AgroTech's technology helps reduce water consumption by **optimizing plant processes**:

- Speeds up photosynthesis, **enabling faster plant growth**.
- Shortens the vegetation period, meaning **crops mature sooner**.
- Reduces water usage by up to 70%, without compromising yield
- Lowers total production costs, by cutting irrigation needs and resource waste

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## Cost - Effective Future 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 (energy, logistics, insurance):



 Video



 Video

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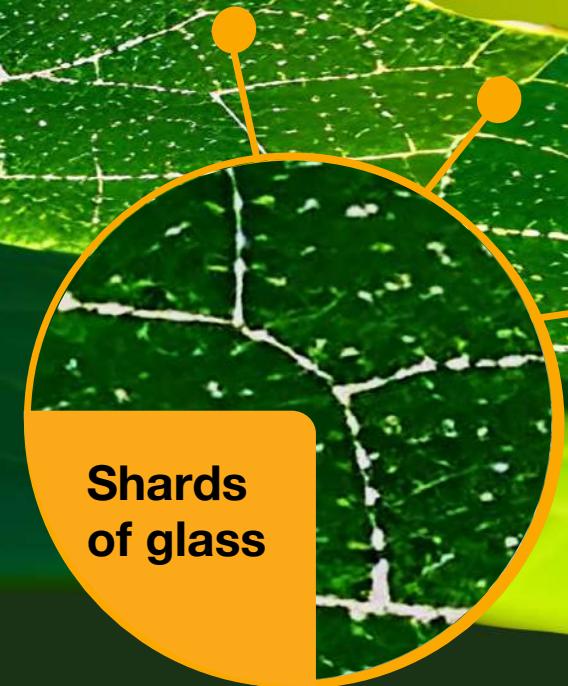
We protect food and health 

LESS PESTIZIDES...

The mechanical effect of Ikue AgroTech keeps insects away from the leaves.

the silicate particles look like small pieces of glass and remain on the surface of the leaf.

A very pleasant side effect attacks the gills and block the respiratory organs.



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## IONIC TECH

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### kue AgroTech's IONIC TECH

is an advanced fertilizer innovation that activates natural ionic processes within plants, enhancing growth, nutrient uptake, and overall plant health through precise biostimulation.

#### What is IONIC TECH?

IONIC TECH refers to the activation of positive (cations) and negative (anions) ions in the plant system. These ions are essential for transporting nutrients, regulating metabolism, and ensuring healthy development.



## HOW IONIC WORKS

### HOW IKUE IONIC TECH 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 vital enzymes and 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.
- **Enhances Photosynthesis & Rooting:** By activating  $Mg^{2+}$  and  $PO_4^{3-}$ , the fertilizer increases energy production and deeper, healthier roots.

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## Biological Value



### Biological Value and Efficiency

Although the raw material may seem **high in EC and arsenic per kg**,  
**the ultra-low dose and advanced IONIC TECH** of Ikue AgroTech:

- Avoid toxicity
- Activate plant metabolism
- Improve yield & quality with minimal environmental burden
- Ultra-efficient: 1 kg covers up 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	<b>Negligible (0.0028 dS/m)</b>
Arsenic Contribution	Can accumulate	<b>Only 0.029 mg/ha</b>
Ionic Activation	Passive uptake	<b>Stimulated uptake</b>
Efficiency	10–30% nutrient uptake	<b>80–95% ionic absorption</b>
Environmental Risk	Higher	<b>Extremely Low</b>

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# Ikue AgroTech Process Deep in the leaf

How it the work



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Nono and Ionic technology increase photosynthesis

The fertilizer open the leaf pores and speed up the photo-synthesis process and the ingredients go faster than conventional fertilizer through the stomata (leaf organs) and through the entire system until the roots.

It higher the metabolic processes, but also to other physiological processes (Biostimulanc) and ionic process.



Video

Watch the video deep in the leaves



We provide digital agriculture



## Integrated Tools for Smart Agriculture

Ikue AgroTech integrates **powerful digital tools** to monitor the entire agricultural system helping farmers and distributors save costs and increase **profitability**.

Our system uses drones to **collect high-resolution, real-time data**, enabling users to:

- Identify early-stage problems in soil, crops, or water supply
- Avoid unnecessary costs by targeting only what is needed
- Make precise decisions based on real conditions

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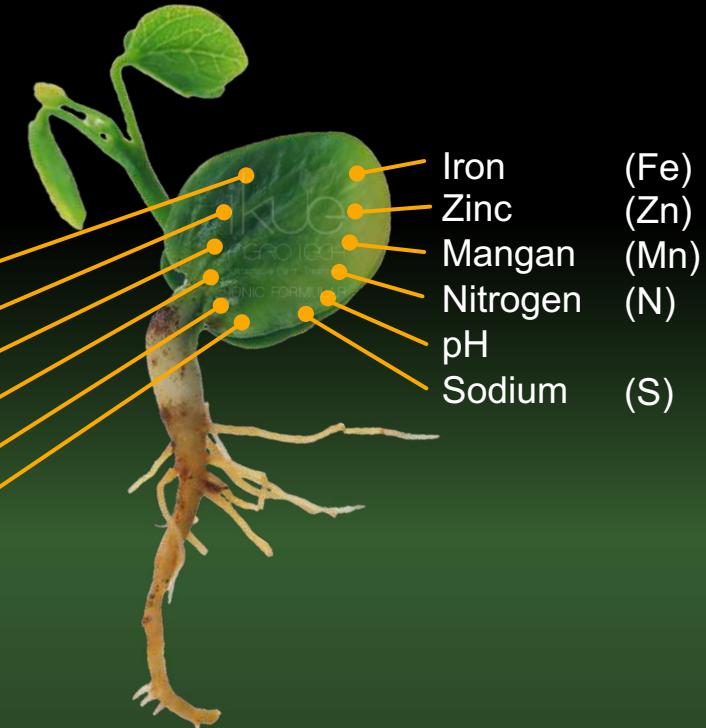
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## MINERALS

Calcium  
Magnesium  
Phosphorus  
Molybdenum  
Potassium  
Copper

(CaO)  
(MgO)  
(P)  
(Mo)  
(K2O)  
(Cu)



## What is Ikue AgroTech



Ikue Agrotech fertilizer is **classified as a 100% mineral fertilizer**.

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

The product is **not chemically synthesized** and does not contain organic matter of plant or animal origin.

Therefore, it **is not considered a chemical or organic fertilizer**, but rather a natural mineral-based solution suitable **for sustainable and precision agriculture**.

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## 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.

## Success Stories

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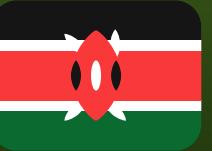
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# Test Results From Kenya

## April – June 2025



### Success Stories

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 Video

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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 Leaf's



T3)  
 Fertilizer NPK 25%  
 + 75% IKUE AGROTECH



T4)  
 Fertilizer NPK75%

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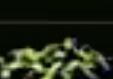
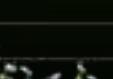
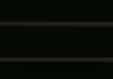
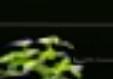
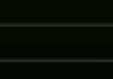
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**Type of fertilizer**

NPK 13-13-21 Period = 8 months

IKUE AGROTECH Progress = every 7 days

**APPLYING NPK TO THE SOIL & SPRAYING AGROTECH ON LEAVES**
**TEST RESULT CHILI**

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

 Request For full  
Test Report

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## TEST RESULT VEGETABLES

### SUITABILITY FOR VERGATABLES, FRUITING VEGETABLES

PLANT	YIELD INCREASE	SPECIAL FEATURES
Salad	Up to 25 %	
Celery	Up to 10 %	Improved shelf life
Pumpkin	Up to 40 %	
Melon	Up to 70 %	Higher resistance to diseases, long shelf life and thus better storage, very good taste, extension of the growing season by up to 30 days.
Sugar beet	Up to 25 %	Increase in sugar content by up to 3 %

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### SUITABILITY FOR CEREALS

PLANT	YIELD INCREASE	SPECIAL FEATURES
Wheat,	Up to 20 %	Shortening of the vegetation period by up to 10 days
Barley Rice	Up to 10 %	High resistance to diseases and pests, etc.

### SUITABILITY FOR FRUITS, OTHER

PLANT	YIELD INCREASE	SPECIAL FEATURES
Potato		Increased resistance to Colorado potato beetle infestation Significant.
Pistachio		Increase in quality, Higher stress tolerance in case of water shortage



## TEST RESULT FRUITS

### SUITABILITY FOR FRUITS

PLANT	YIELD INCREASE	SPECIAL FEATURES
Paprika	Up to 80 %	Higher uniformity of fruits (size and colour), very good taste, improved shelf life
Strawberry	Up to 25 %	More intense flavour, better colour and shine of the fruit, improved shelf life, higher fructose content
Apple Pear Cherry Blackberry	Up to 50 %	intense colour of fruits, size of fruits more uniform, earlier ripening of fruits, higher firmness of fruits (cherries) larger more uniform fruits, earlier ripening of fruits (about 10 days earlier), high resistance to diseases
Wine	Up to 25 %	High resistance to diseases and pests, very good stress tolerance in case of water shortage, increase of sugar content up to 2 %
Olive	Up to 30 %	Faster growth, larger fruits and uniform colour and size, significant increase in quality.
Cucumber	Up to 50 %	Better storability, extended production and vegetation time by up to 30 days, improved fruit appearance

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## Recovered



Damaged rice field  
by plant hoppers



Recovered field 3  
weeks after spraying



Blast disease is a fungal disease recovered by  
Ikue AgroTech fertilizer



Damaged field  
area by rats



Recovery 2 weeks  
after spraying



Mealy bug infection on  
sugar cane control plot



Good health  
condition of sugar  
cane test plot

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10 KG BAG	= 500 HECTARE
1 KILO GRAM BOX	= 50 HECTARE
25 GRAM PACK	= 1 HECTARE
25 TABLETS	= 3 HECTARE

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## Our product packing sizes

### TEST KIT


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Grow funds 

## Ikue AgroTech's financial model, powered by its desktop & mobile app:

The financial model is powered by a digital platform (desktop and mobile app) that combines Ikue AgroTech ultra-efficient fertilizer, agricultural tools, and harvest marketplace sales with a blockchain-based rewards and stablecoin system **designed for the global agriculture sector to grow additional funds for each partner and humanity and agriculture project.**

By integrating fertilizer distribution, agri-tech tools, and harvest marketplace transactions into one ecosystem, Ikue **unlocks multiple revenue streams**. Each activity on the platform generates rewards through partner-specific tokens, creating strong engagement and profit opportunities across the entire agricultural value chain.

Through the use of gold based stablecoin IAC, the platform facilitates fast, **traceable**, and low-cost payments across the agriculture value chain.

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