GO-EARTH SOIL ENHANCER

NANO-POWERED INNOVATION

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GO-EARTH SOIL ENHANCER : PRECISION MEETS NATURE

WHY THIS? WHY NOW?

• IN AN ERA OF EXTREME CLIMATE SHIFTS, SHRINKING MARGINS, RISING REGULATORY PRESSURE, AND DEPLETED SOIL QUALITY, THE WORLD DOESN'T NEED MORE FERTILIZER.

It needs smarter alternative like GO-Earth soil enhancer



WHAT WE'VE BUILT AT RI

- WE'VE DEVELOPED GRAPHENE-BASED NUTRIENT ENHANCERS THAT:
- ACT AS A ACT AS A CARRIER, STABILIZER, MODULATOR AND MICROBIAL COLONIZER.
- PREVENT NUTRIENT LOSS BY BINDING KEY ELEMENTS (NPK, TRACE METALS) AND RELEASING THEM WHEN & WHERE THE PLANT ACTUALLY NEEDS THEM.
- FUNCTION AT THE SOIL—ROOT—CLIMATE INTERFACE, NOT JUST INSIDE A SPRAYER.



BACKED BY REAL DATA

FROM COLD EURASIAN FIELDS TO HIGHLAND CROP TRIALS — 1- LETTUCE

VISUAL & DATA-BACKED PROOF



240%

lettuce yield increase (RI-8 vs control)

+12%

sugar content

+40%

biomass

+20% soybean yield

ROMAINE LETTUCE



+198%

MASS

Crop

Yield Gain

Key Observations

Lettuce (Romaine)

+240% yield

Dense heads, longer shelf life

BACKED BY REAL DATA

FROM COLD EURASIAN FIELDS TO HIGHLAND CROP TRIALS — 2&3 — FIELD EXAMPLES - SUGAR BEET & SOYBEAN

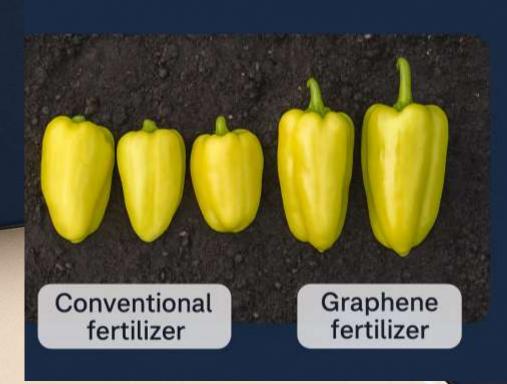


Crop	Yield Gain	Key Observations
Sugar Beet	+40% biomass, +12% sugar content	Extended growth cycle, healthier foliage
Soybean	+20% yield	Consistent performance under low input

BACKED BY REAL DATA

FROM COLD RUSSIAN FIELDS TO HIGHLAND VEGETABLE TRIALS – 4 FRUIT BASE

Visual and Data-Backed Proof

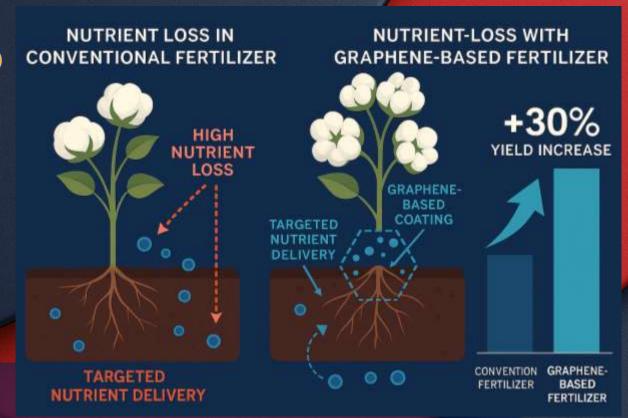


Key Results

- 27% increase in fruit weight
- 31% more marketable yield
- 26% rise in sugar content

All trials show **no toxicity**, **no residue**, **no flavor compromise**.

GRAPHENE BOOSTS COTTON YIELD AND SOIL EFFICIENCY



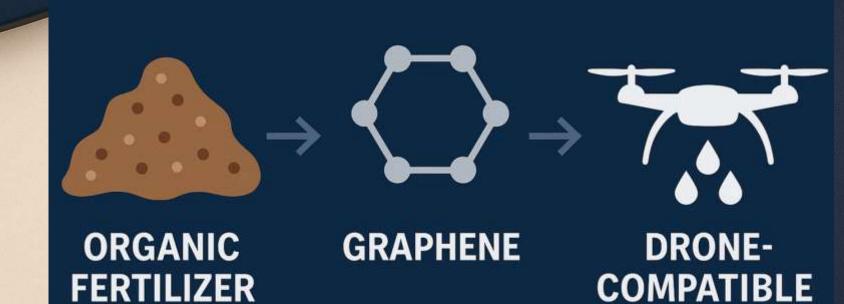
KEY HIGHLIGHTS:

- IN INDIA, COTTON YIELD IS 45% BELOW GLOBAL AVERAGE
- GRAPHENE-BASED SOIL ENHANCER IMPROVES YIELD BY UP TO 30%
- 7 REDUCES NUTRIENT LEACHING
- ENABLES SMART, TARGETED NUTRIENT DELIVERY
- HIGH-IMPACT FOR INDIA AND GLOBAL ECONOMY UNLOCK
- ₹6,000 CRORE ANNUALLY.

DESIGNED FOR THE FUTURE OF FARMING

- ☐ DRONE-COMPATIBLE: 50% LESS FERTILIZER NEEDED WITH PRECISION APPLICATION.
- TORGANIC FRIENDLY: ENHANCES COMPOST & MANURE EFFICIENCY.
- WATER-SAVING: REDUCES SALT LOAD & LEACHING IN IRRIGATION ZONES.
- © CLIMATE VERSATILE: PERFORMS IN SUB-ZERO, SALINE, OR DEGRADED SOILS.

ENABLING DRONE-COMPATIBLE ORGANIC FERTILIZERS WITH GRAPHENE







□ PART 1: REAL ROI – GRAPHENE AS THE SMART FERTILIZER ENHANCER

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Traditional Cost Burden	With Graphene Integration	Impact	
Nutrient loss via leaching (up to 40%)	Graphene binds NPK & micronutrients, releases on demand	30–50% reduction in wastage	
Over-fertilization due to poor soil tracking	Graphene enhances uptake efficiency even in variable soils	Healthier crops, less nutrient stress	
High labor & fuel cost for manual application	Compatible with drone- based spraying	Up to 50% operational cost and input cost reduction	
Inconsistent results from conventional fertilizer	Graphene stabilizes release from organic matter	Enables low-cost, high- yield organic farming	
Soil fatigue and pollution	Graphene reduces chemical run-off	Long-term soil health retention	

PART 2: FARMER-LEVEL ROI (PER ACRE) = REPEAT PURCHASE

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Input	Traditional (₹) APPROX.	Graphene- Enhanced (₹) APPROX.	Savings APPROX.
Fertilizer	₹10,000	₹4,500–₹5,500	₹5,500+
Application (labor/fuel)	₹2,000	₹1,000 (drone)	₹1,000
Water purification/envir onmental fines	₹500+	Negligible	₹500+
Reapplication / Patch fixes	₹1,000	₹0–500	₹500–1,000
Environmental compliance	Risk	Green-certified	Low risk



- Net farmer savings per acre: ₹5,000–₹6,500 (APPROX.)
- ✓ Longer crop health = reduced stress complaints
- ∀ Better taste (sugar %) = higher market price
- → Build farmer loyalty = repeat orders = stable revenue

MARKET EXPANSION & BRAND DIFFERENTIATION

"FROM EXTREME CLIMATES TO PRECISION AGRICULTURE, GRAPHENE-ENHANCED FERTILIZERS ADAPT TO THE FUTURE OF FARMING."

From Trial to Field to Market

Lab-Tested Formula



 Pilot-ready for 10+ crops Field Validation



 Climate-resilient: works in subzero
 & drought zones **Global Impact**



- Export-compatible: aligns with ESG
 & organic
- Supply-ready:
 RI-3 to RI-8 available

"WE'RE NOT REPLACING FERTILIZER. WE'RE HELPING YOU UNLOCK ITS FULL VALUE — IN EVERY DROP, EVERY SPRAY, EVERY SEASON"

LET'S COLLABORATE

WE'RE READY WITH:
CROP-SPECIFIC GRAPHENE LIQUID GRADES
TECH SHEETS, SOPS, AND MIXING PROTOCOLS
DRONE-EMULSIFIED BATCHES FOR FIELD PILOTS
USENSING AND CO-BRANDING MODELS

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