



INNOVATIVE BIOACTIVE PREPARATION OMNI+ ORGANIC PLANT GROWTH STIMULATOR

based on peat extract under the influence of cold plasma

Manufacturer: Ukraine

LAND DEGRADATION



Worldwide:

- Nowadays, globally up to 40 per cent of the world's land is degraded, which means its biological or economic productivity has been reduced. ([UN News](#))

GULF Region:

- Degraded land increased from 0.7% in 2015 to 9.5% in 2019. ([ESG Mena](#))

KSA:

- It's estimated that around 70% of the rangelands in Saudi Arabia are degraded either severely or averagely. ([WOCAT](#))



ESSENCE OF TECHNOLOGY

OMNI+ is an organic, safe and highly effective preparation for plant growth stimulation



Extraction of fulvic and humic acids from peat into activated water.



The process takes place in a cold plasma stream without heating above 60°C.



Creation of a stable concentrate of bioactive substances.

The technology allows:

HA + FA

Preservation of the whole complex of humic and fulvic acids.

C-C-NH₂

Preservation of amino acids, trace elements and protein compounds.



First and second generation cold plasma systems

SCIENTIFIC UNIQUENESS



- Cold plasma structures water and enhances extraction of fulvic and humic acids from peat;
- Increased bioavailability of OMNI+ active ingredients to plants;
- Stimulates growth of nitrogen-fixing bacteria in depleted soils;
- Fixes dew moisture in the upper soil layer;
- Adjustable composition and activity for different plant species.



APPLICATION AREAS



Agriculture:

soil remediation, plant growth stimulation;



Biomedicine:

antioxidant and anti-inflammatory effects;



Ecology:

recultivation, reduction of environmental toxicity.



Wheat planted in OMNI+-treated building sand produced sprouts similar in size to the sprouts in the rich peat soil.

Crops grown with OMNI+ are 100% organic and chemical-free

COMPETITIVE ANALYSIS



	OMNI+	VALAGRO	BIOLCHIM	KOPPERT	UPL	AGRICEN
ORIGIN	Totally organic	Organic certified and conventional products	Organic and organomineral fertilizers	Only some products are organic. Biological solutions for different practices	Only some products organic. A mix of organic and conventional products	Organic. Products suitable for organic farming
PRODUCTION TECHNOLOGY	Cold plasma, no heating>60°C	Proprietary GeaPower technology for extraction of active ingredients	Organic extraction	Biological inoculants	Integration with agrochemicals	Microbial processes
COMPOSITION	Humic and fulvic acids, amino acids, microelements	Algae extracts, amino acids	Humic substances, algal extracts	Microorganisms	Various biostimulants	Microbiological products
PLANT STRESS RESISTANCE	Helps plants better tolerate drought, hot conditions, soil salinity and even transplant stress	Increases plant resistance to abiotic stresses	Increases plant tolerance to cold and heat stresses	Increases plant tolerance to drought and salinity	Increases plant resistance to drought and salinity	Increases plant resistance to abiotic stresses
EFFECTIVENESS	Effective in desert regions, promotes moisture retention	Less effective in severe drought conditions without supplementary irrigation	Dependence on soil and climate specifics	Dependence on extreme environmental conditions	Dependence on desert conditions	Dependence on soil and climate specifics

SIGNIFICANCE FOR KSA



Compliance with Saudi Vision 2030

- Support Vision 2030's goal to double agricultural production by 2030 and reduce food losses by 50% .



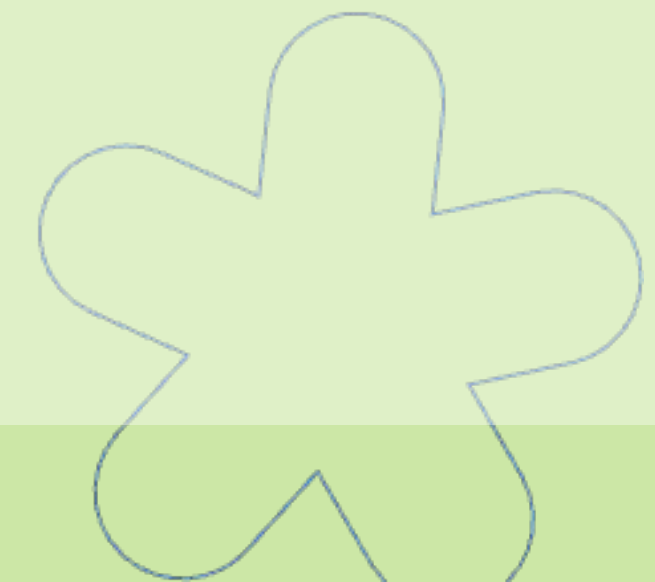
Potential for localization of production

- Opportunity to establish manufacturing facilities in KSA, contributing to local industry and job creation.



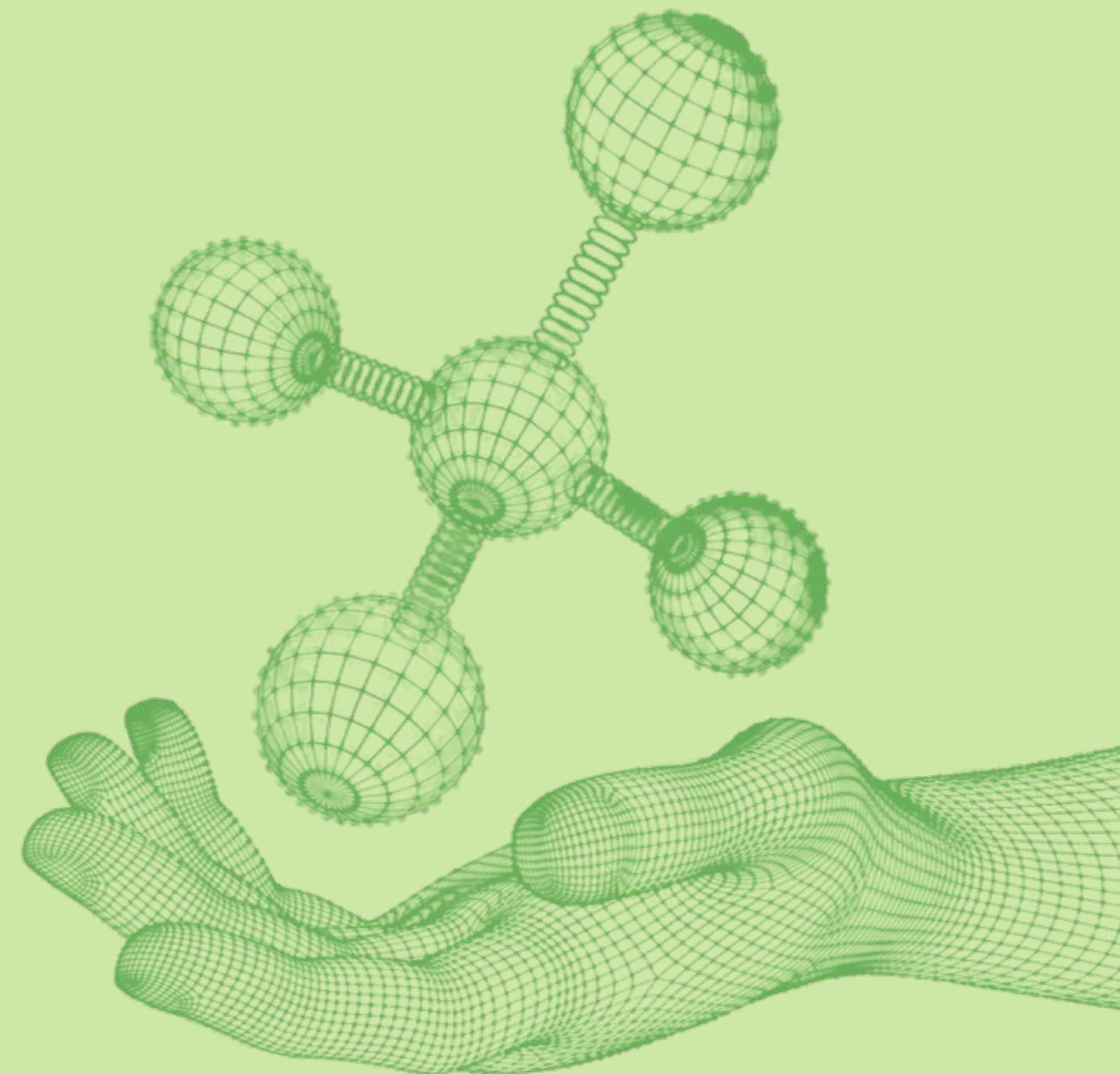
Opportunities for scientific and technological partnerships

- Partnership with universities and research centers in KSA for joint research on sustainable agriculture.
- Participation in national agri-technology and sustainable agriculture initiatives supported by the KSA government.



COOPERATION OFFER

- Collaborative research to maximize OMNI+ properties in Saudi Arabia;
- Licensing and technology transfer;
- Pilot projects in KSA.





LET'S GROW TOGETHER!

From Degraded Lands to Thriving Ecosystems