

Grupo Innova®



AGRICULTURAL PORTFOLIO



BIOLOGICAL, INORGANIC AND ORGANIC
PRODUCTS

WHO WE ARE?

We are a business group dedicated to offering chemical and biological solutions to the Industrial, agricultural, domestic and automotive sectors. Through our commercial lines, we provide high quality products, designed to address sustainability challenges with efficiency and environmental responsibility. Our commitment is to guarantee innovative solutions that accomplish with highest production standards, ensuring the welfare of our clients and respecting the environment.



Mission

To develop and implement high-value technological products and management strategies that exceed customer expectations in each target area, creating unique experiences based on highly efficient results.

Vision

We are the leading national business group in chemical, biological, organic, and inorganic solutions, delivering superior value to our clients and promoting the comprehensive development of our partners, associates, and collaborators.

Values



Innovation: Promote creativity and the development of new technologies and products.



Sustainability: Commitment to responsible environmental practices and the development of sustainable products.



Responsibility: We act with integrity and transparency in all operations.



Excellency: In continuous pursuit of quality and constant improvement in all processes.



Teamwork: Promote collaboration and teamwork to achieve common objective.

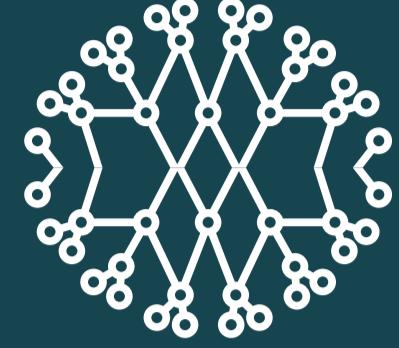


Loyalty: Maintain a trusting relationship and commitment with clients, collaborators, and associates.



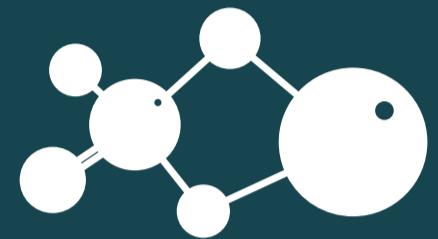
Leadership: Be a reference in the industry and lead by positive examples.

Table of Contents



BIOLOGICAL

7



INORGANIC

18



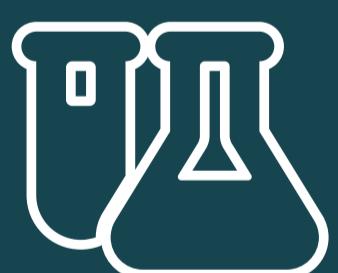
ORGANIC

32



EDAPHIC LINE

35



LABORATORIES

39



AGRICULTURAL BUSSINESS UNIT

It is formed by three Venezuelan companies:

- Innova Business Corporation C.A., under the **FertiWIPE** brand.
- Agroindustria América C.A., under the **Vida Forte** brand.
- Insubiol C.A., under the **Insubiol** brand.

We are dedicated to innovation, research, and development of products for the agricultural sector, actively contributing to its growth. We positioned ourselves as a leading enterprise in high agronomic efficiency solutions, generating sustainability and renewability for our clients and partners. We focus on soil regeneration, balanced nutrition, and biological control, all in harmony with the environment. Additionally, we have developed B.I.O technology, which is transforming paradigms in the Venezuelan countryside.

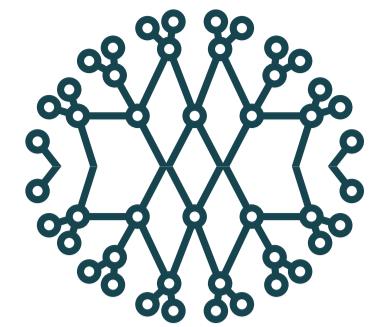


WHAT IS B.I.O.?

B.I.O. is a technology that synergistically combines biological, inorganic, and organic **management** practices, which increase agronomic efficiency (return on investment) in the crops where it is implemented. Its main objective is to achieve sustainable production in the present and maintain sustainability in the future.

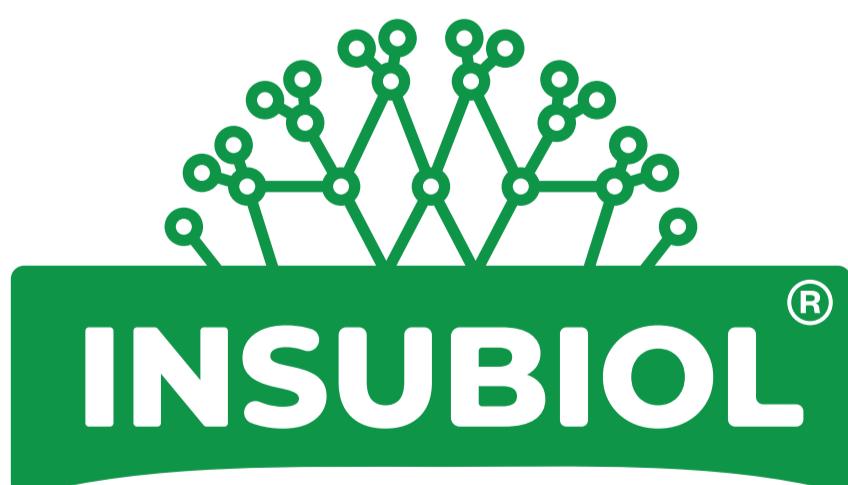
Welcome to agriculture with
B.I.O. Technology





Biological

Used for pest and disease control, organic matter decomposition, nutrient solubilization, sanitization, and accelerated soil recovery.



SuBiol PLUS

Containing *Trichoderma harzianum* (green strain), an inducer of systemic resistance, biocontrol agent, and bio stimulant. It is designed to prevent and control soil-borne fungal attacks. Additionally, it induces seed germination and promotes the development of primary and secondary roots.

Composition	Dosage per hectare
<i>Trichoderma harzianum</i> 75%	1-2 doses of 30 g/ha

Functions:



Rooting agent



Biocontrol agent

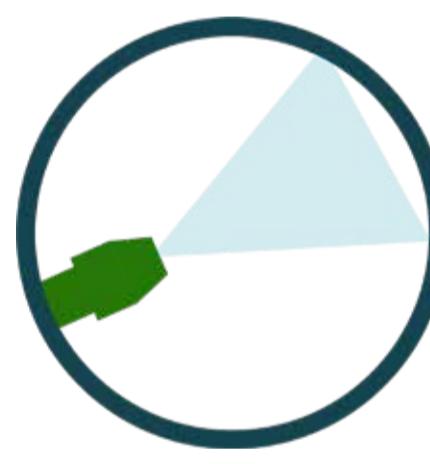


Germinator

Agronomic efficiency in:



How is it applied?



Spraying



Seeds



Drip

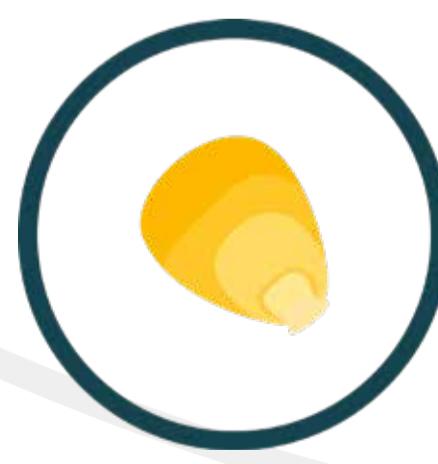
Range of use



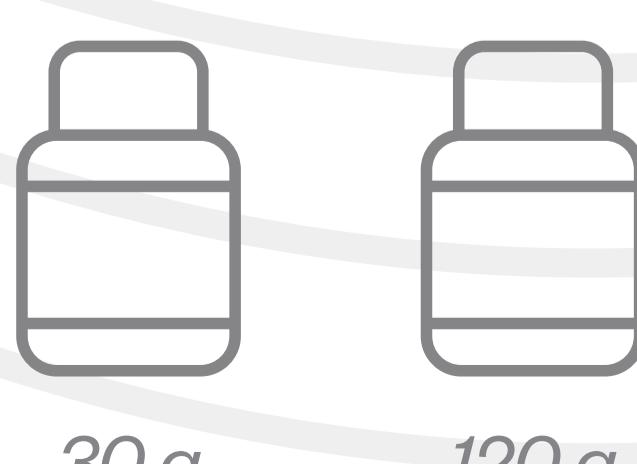
Soil



Leaf



Seeds



Voracious SRT

A microbial consortium composed of bacteria, yeasts, and fungi, which provides the following effects: bactericidal action, phosphorus and potassium solubilization, organic matter decomposition, sanitization, and biocontrol.

Composition	Dosage
Concentration: 1×10^9 CFU/ml	1-2 L/ha

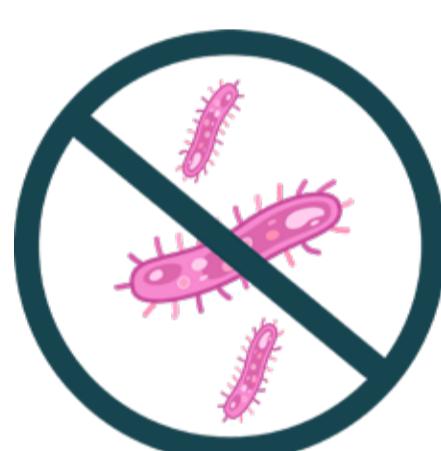
Functions



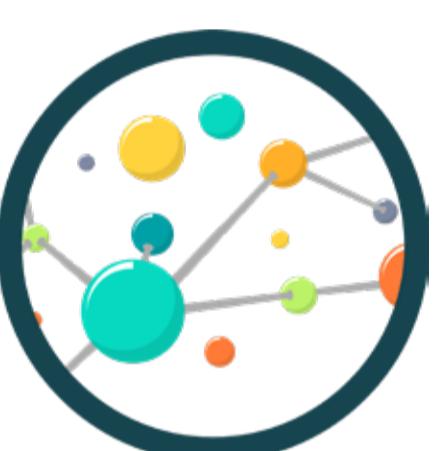
Biocontrol agent



Sanitizer



Bactericidal agent

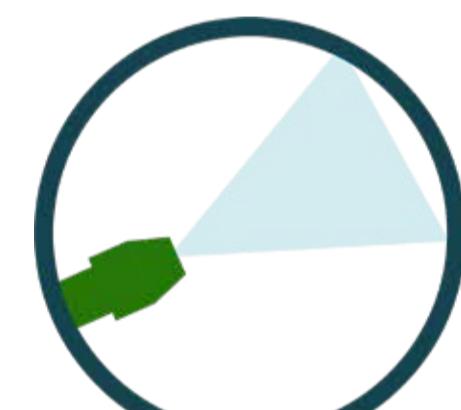


Solubilizing agent

Agronomic efficiency in:



How is it applied?



Spraying

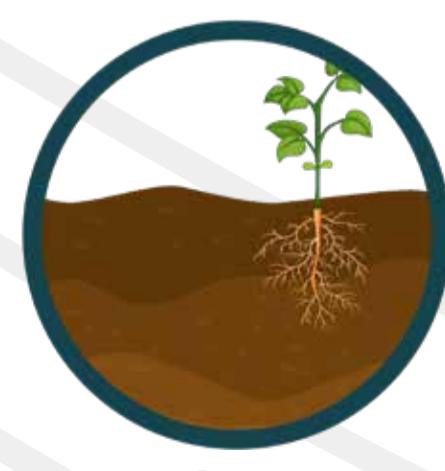


Drip

Range of use



Leaf



Soil

1L

3,785 L

20 L

200 L

1000 L



TROYAN BTK-BTI-BTT

Bacterial insecticide formulated with strains of *Bacillus thuringiensis*, isolated and characterized in Venezuela. Specific for lepidopterans (BTK), dipterans (BTI), and coleopterans (BTT).

Composition	Dosage
<p>BTK-<i>Bacillus thuringiensis</i> var. <i>Kurstaki</i> 75% Inert ingredients 25% BTI-<i>Bacillus thuringiensis</i> var. <i>israelensis</i> 75% Inert ingredients 25% BTT- <i>Bacillus thuringiensis</i> var. <i>tenebroni</i> 75% Inert ingredients 25%.</p>	1 L per 200 L of water

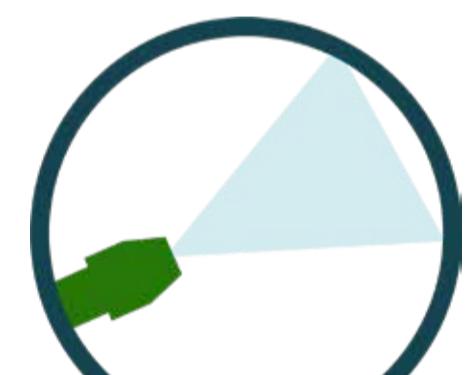
Functions



Biocontrol agent



How is it applied?



Spraying

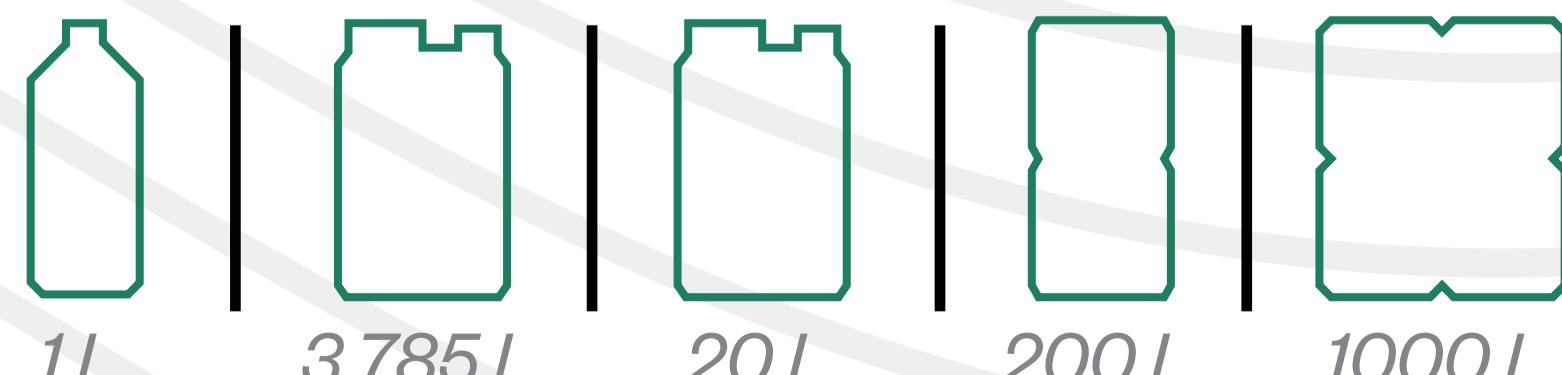


Drip

Range of use



Leaf



Aceitol

It is an effective adjuvant formulated with vegetable oil, whose use in agriculture enhances the penetration capacity of the product applied on the leaves.

Composition	Dosage
<i>Emulsified Vegetable Oil 83% w/v</i> <i>Soy lecithin 10%</i> <i>Inert ingredients 7%</i>	1 L per 200 L of water

Functions:



Adjuvant

Agronomic efficiency in:

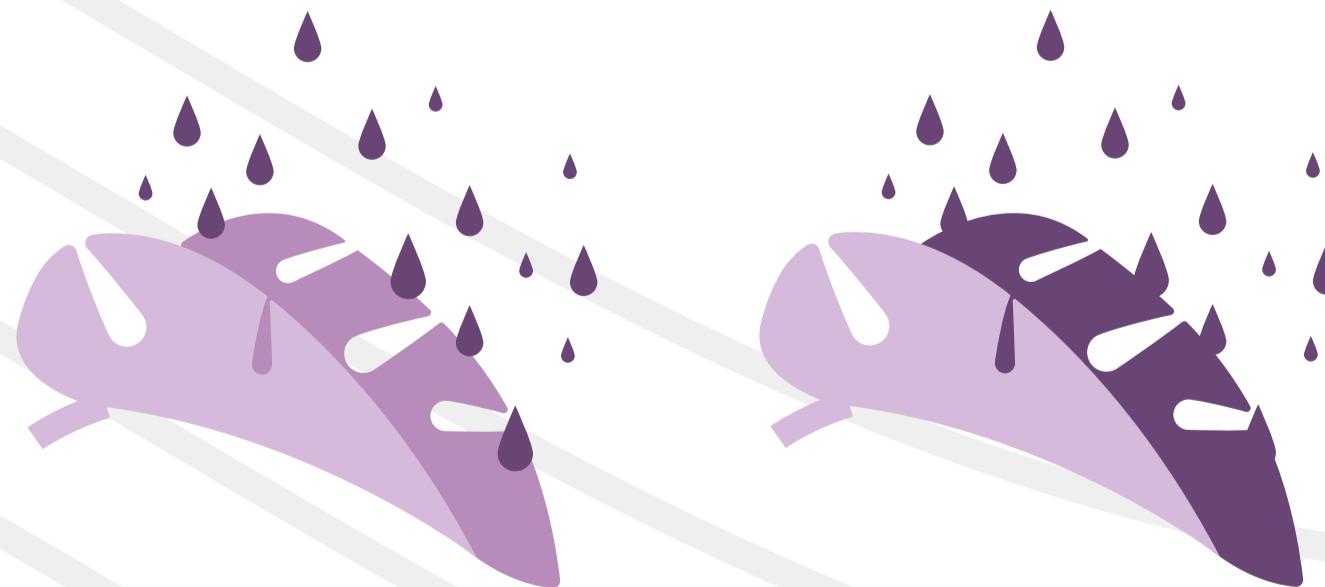


How is it applied?



To water

Range of use



without Aceitol

with Aceitol

1L

3,785 L

20 L

200 L

1000 L



Megasulfo

It is a mineral spray based on polysulfides, effective against thrips, mites, and aphids, as well as fungi and bacteria.

Composition	Dosage
<i>Calcium polysulfide 12%</i> <i>Dilutants and mineral fillers 88%</i>	2–4 L per 200 L of water

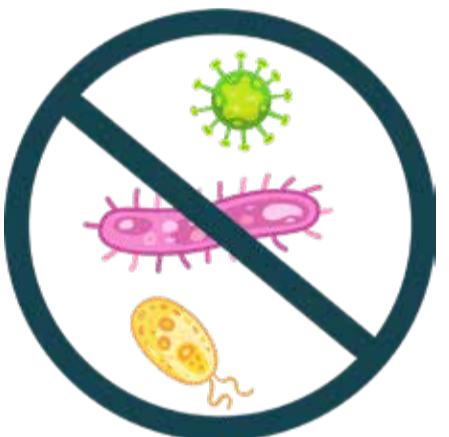
Functions:



Bioinsecticide



Bioacaricide

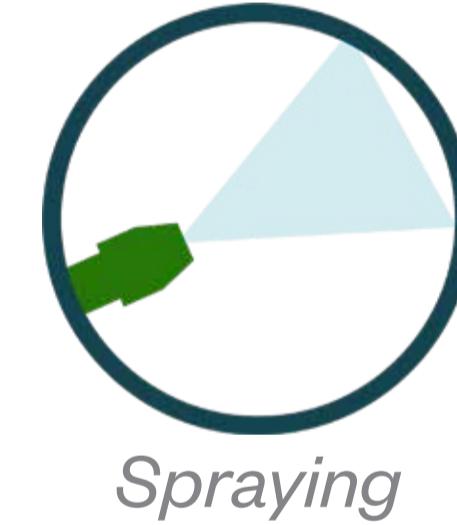


Biocide-Bactericide-Fungicide

Agronomic efficiency in:



How is it applied?

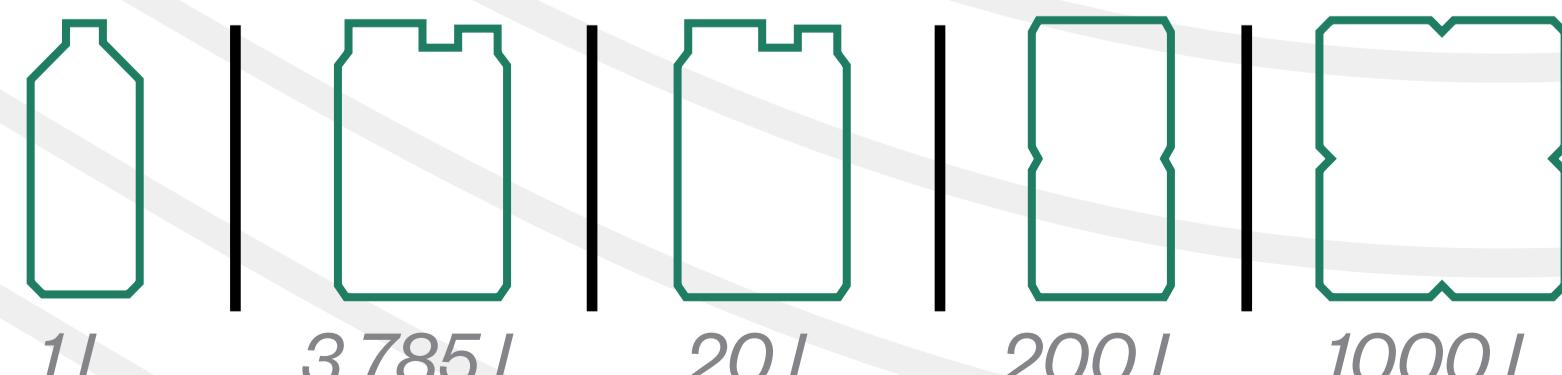


Spraying

Range of use



Leaf



Rhizoactivo

Product formulated with strains of *Rhizobium spp.*, isolated, characterized, and selected from Venezuelan soils, capable of fixing nitrogen by forming nodules on the roots of leguminous plants.

Composition	Dosage
<i>Viable cells of Rhizobium sp. 75%</i> <i>Essential nutrients 25%</i>	250 cc per seed bag

Functions:



Inoculant

Agronomic efficiency in:



How is it applied?



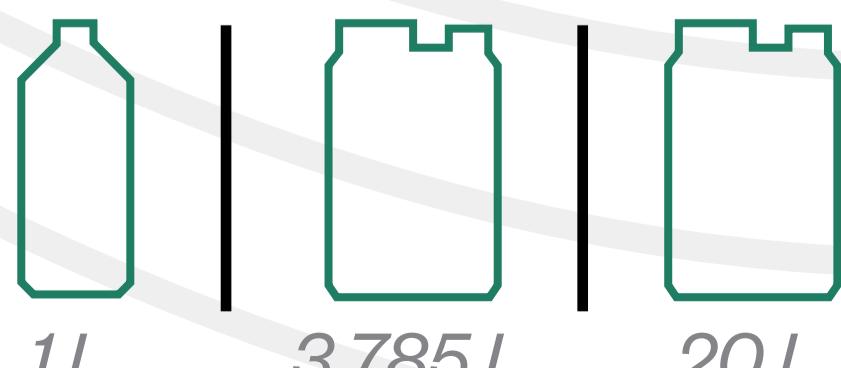
Seeds

Range of use



Soil

Seeds



Beaubass

Beauveria bassiana is a bioinsecticide used for insect and pest control, with a broad spectrum of activity against lepidopterans and coleopterans.

Composition	Dosage
<i>Beauveria bassiana</i> 75% Concentration: 1×10^{12} CFU/g	1 dose per hectare

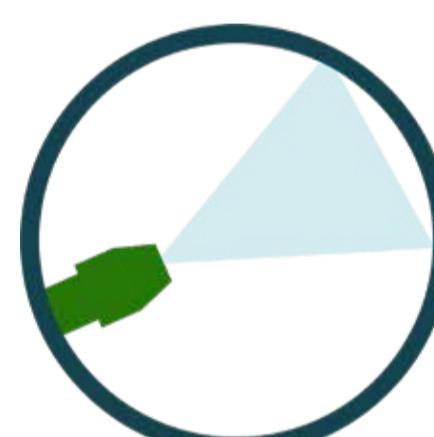
Functions:



Biocontrol agent



How is it applied?



Spraying

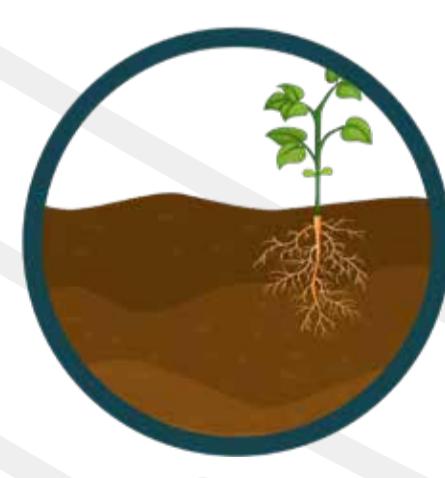


Drip

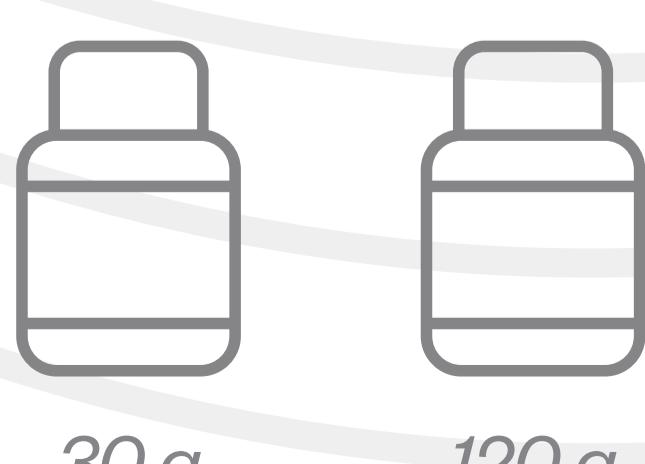
Range of use



Leaf



Soil



Metagrass

Bioinsecticide based on the fungus *Metarhizium anisopliae*, designed for the biological control of pest insects from the Homoptera and Hemiptera families, such as sugarcane spittlebug (*Aenolamia spp.*) in sugarcane, and stink bugs like *Tibraca sp.* in rice and beans.

Composition	Dosage
<i>Metarhizium anisopliae</i> 75% Concentration: 1×10^{12} CFU/g	1-2 doses of 30 g/ha or 1 L/ha

Functions:

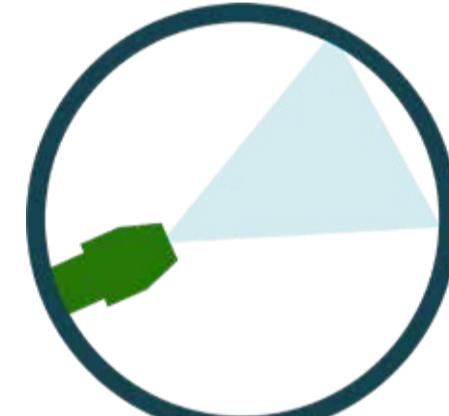


Biocontrol agent

Agronomic efficiency in:



How is it applied?



Spraying



Drip

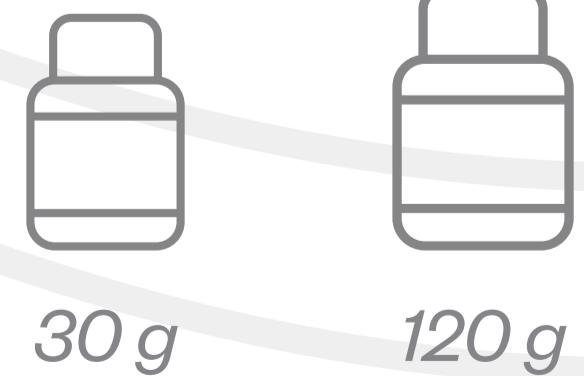
Range of use



Leaf



Soil



Sumecol MIX

Bioinsecticide based on *Metarhizium anisopliae*, *Beauveria bassiana*, and *Paecilomyces fumosoroseus*, designed for the control of adults and nymphs of whiteflies, aphids, mites, thrips, and sucking insects.

Composition	Dosage
<i>Metarhizium anisopliae</i> , <i>Beauveria bassiana</i> , <i>Paecilomices fumosoroseus</i> : 75% Concentration: 1×10^{12} CFU/g	1-2 doses of 30 g/ha

Functions:

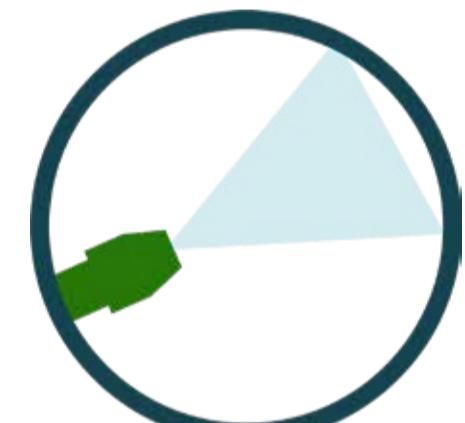


Biocontrol agent

Agronomic efficiency in:



How is it applied?



Spraying



Drip

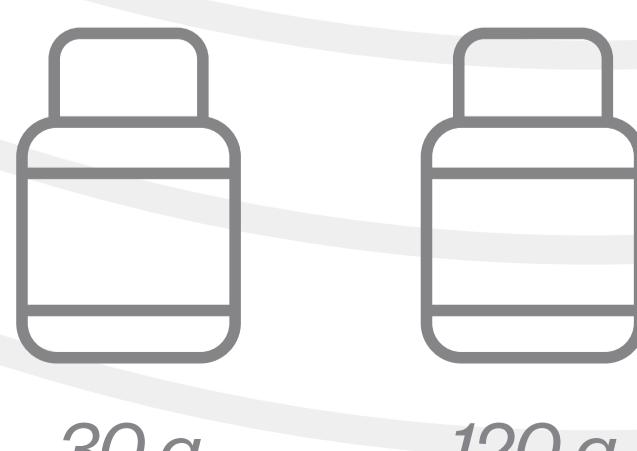
Range of use



Leaf



Soil



Respaldo JK

Biodegradable insecticide based on potassium oleate and biodegradable soft soap. It acts against aphids, thrips, whiteflies, scale insects, and all sucking insects.

Composition	Dosage
<i>Potassium Vegetable Oleate 70%</i> <i>Stabilizer and Antifoaming Agent 30%</i>	1 L per 200 L of water

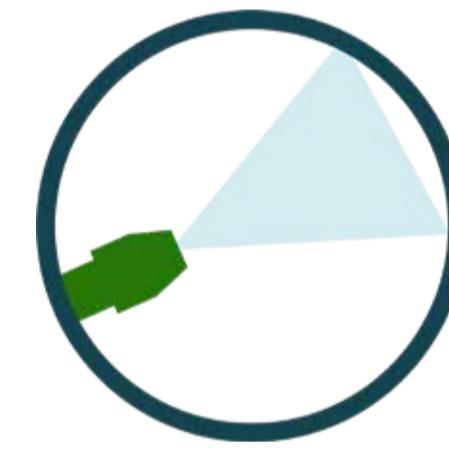
Functions:



Bioinsecticide



How is it applied?

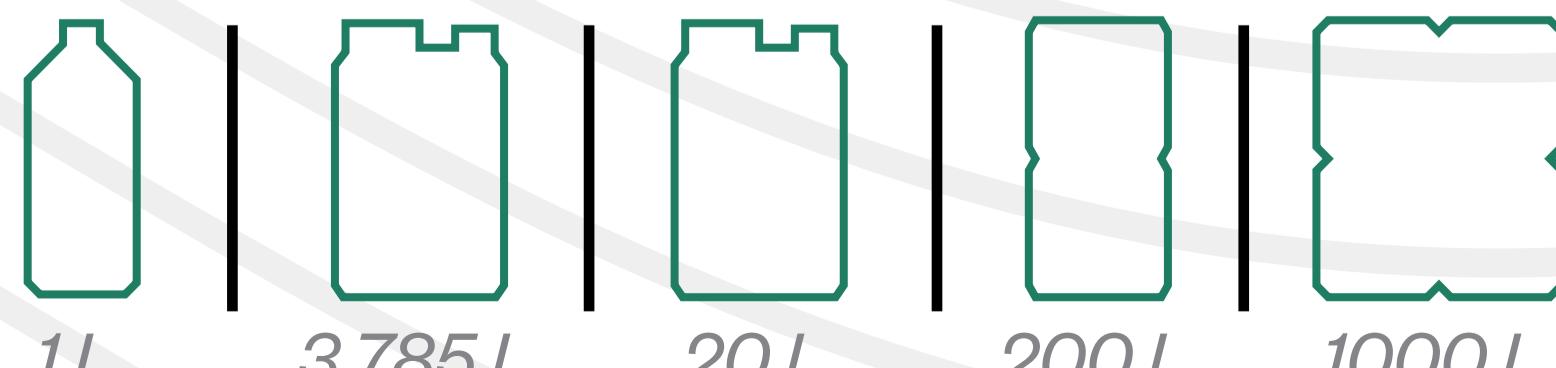


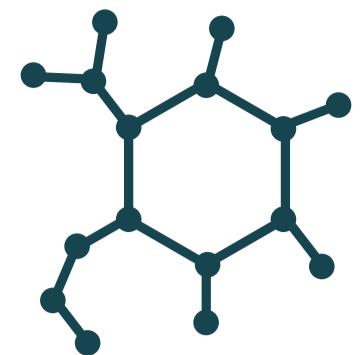
Spraying

Range of use



Leaf





Inorganic

Nutritional gel solutions, surfactants, pH regulators, adjuvants, descalers, and broad-spectrum biocides with high agronomic efficiency.



Grupo
Innova[®]

VEGETATIVE MIX

Ideal NPK balance with chelated micronutrients, including Cobalt and Molybdenum, plus an adjuvant, ensuring excellent vegetative development.

Composition	Dosage
N: 20,5%, P: 20,25%: K: 20,5%, Micronutrients (%p/v): 0,3 B; 0,03 Fe, 0,02 Mn, 0,01 Cu, 0,01 Zn, 0,01 Mo, 0,004 Co	2-3 l/Ha

Functions:

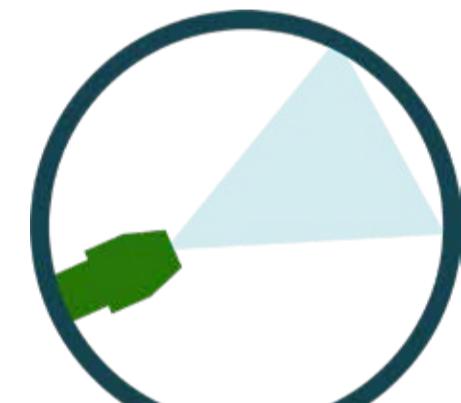


Vegetative Development

Agronomic efficiency in:



How is it applied?



Spraying

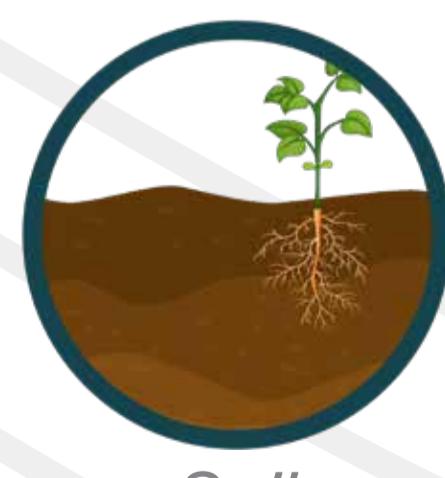


Drip

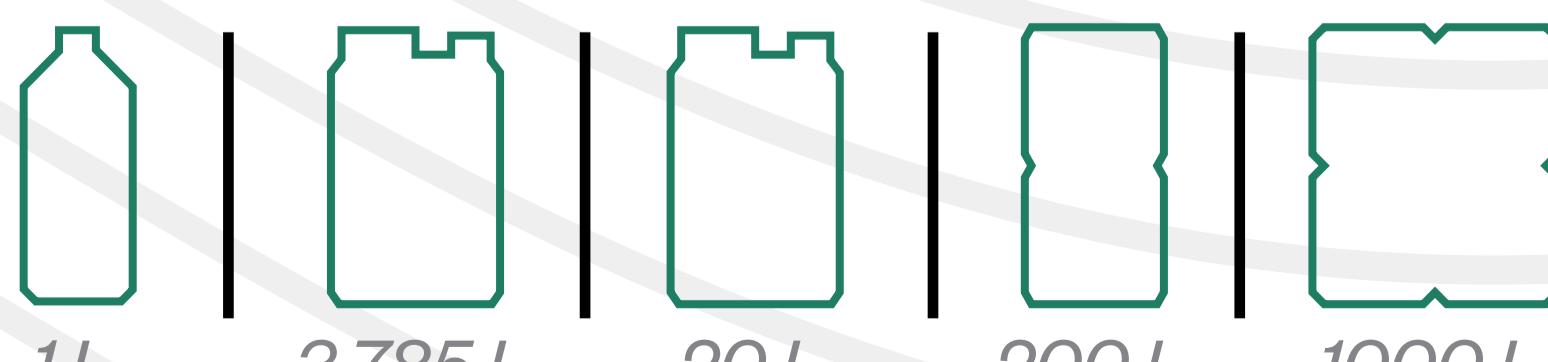
Range of use



Leaf



Soil



REPRODUCTIVE MIX

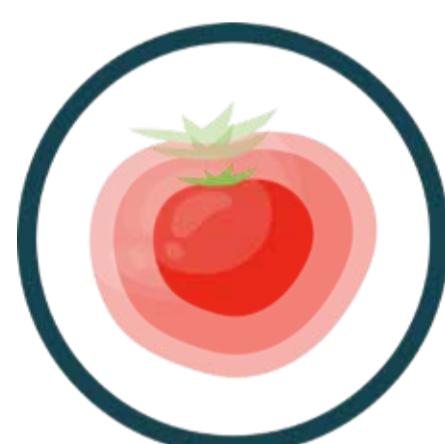
Balanced NPK ratio with chelated micronutrients, including Cobalt and Molybdenum, plus a surfactant. Ideal for the onset of flowering and grain and fruit filling.

Composition	Dosage
N: 5,5%, P: 15,25%: K: 20,5%, Micronutrients (%p/v): 0,3 B; 0,03 Fe, 0,02 Mn, 0,01 Cu, 0,01 Zn, 0,01 Mo, 0,004 Co	2-3 l/Ha

Functions:



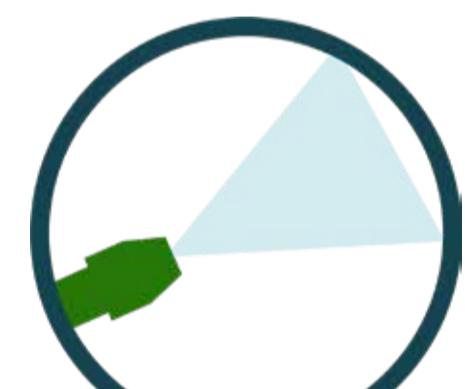
Flowering



Filling agent



How is it applied?



Spraying

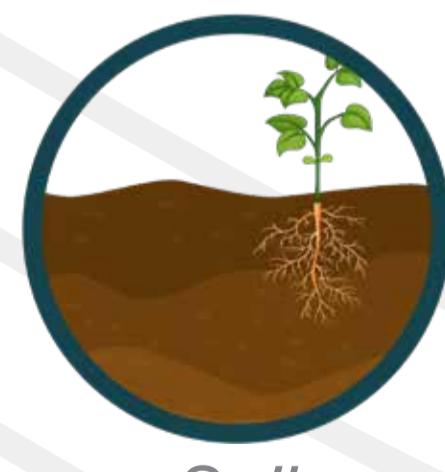


Drip

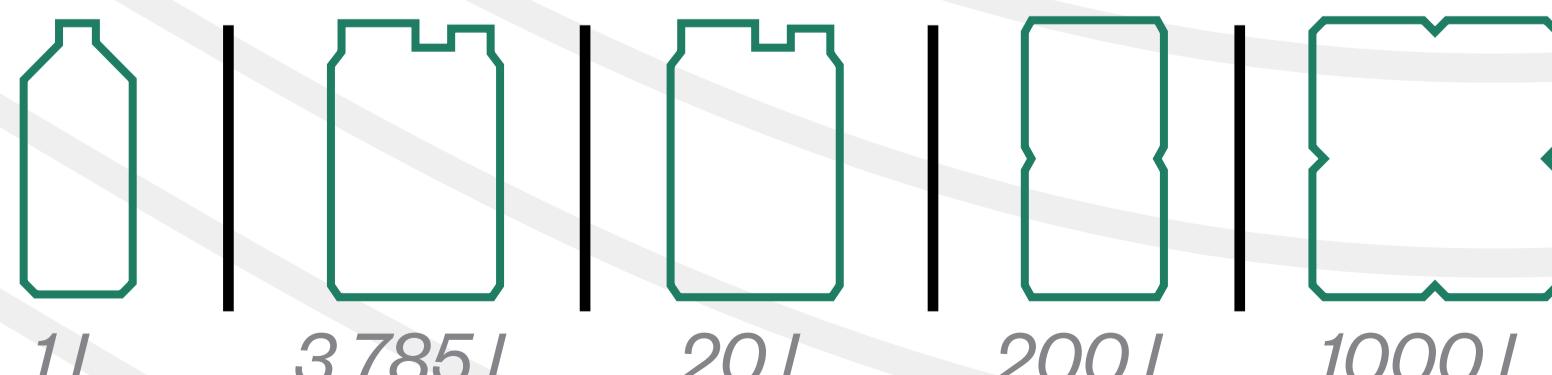
Range of use



Leaf



Soil



AMONITRAT PLUS

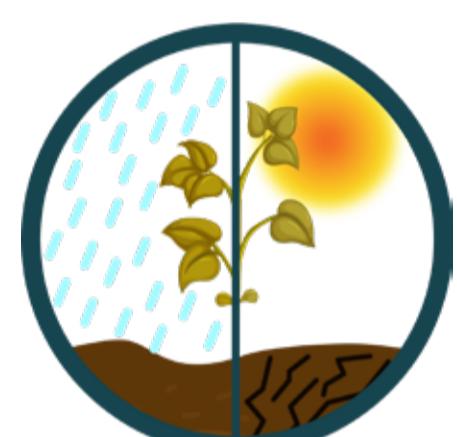
Nitrogen fertilizer designed to meet high nutritional demands and widely used during stages of rapid growth, flowering, and fruiting. Also acts as a stress reliever for excess or deficiency of soil moisture.

Composition	Dosage
18% N (9% Nitrate N, 9% Ammoniacal N)	2L/Ha

Functions:



Growth Promoter

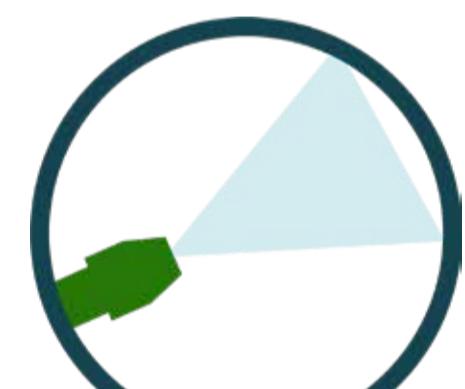


Stress reliever

Agronomic efficiency in:



How is it applied?



Spraying



Drip

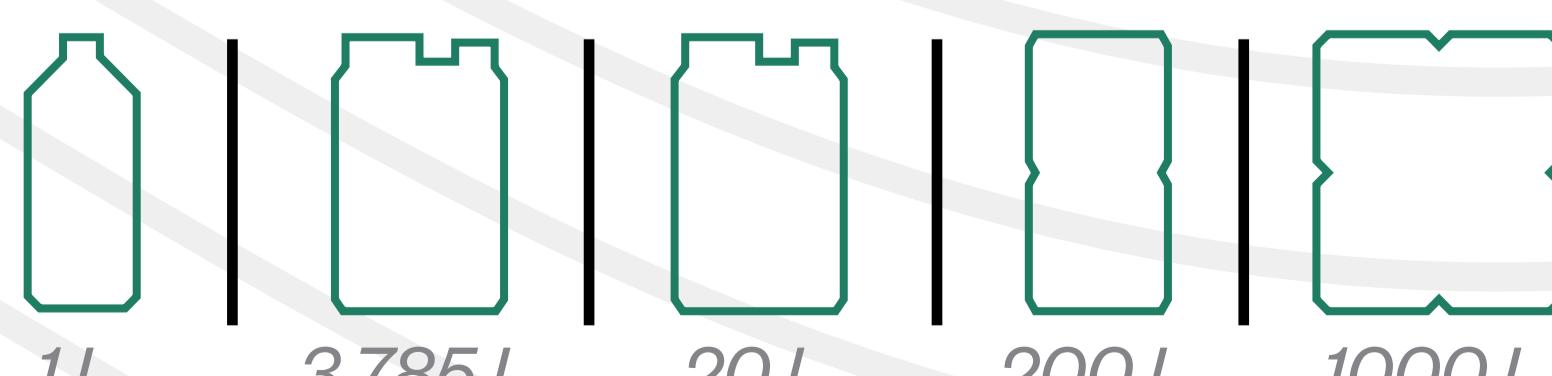
Range of use



Leaf



Soil





NPK 17-17-17

Ideal NPK balance, ensuring excellent vegetative development.

Composition	Dosage
N: 17%, P: 17%: K: 17%,	2-3 l/Ha

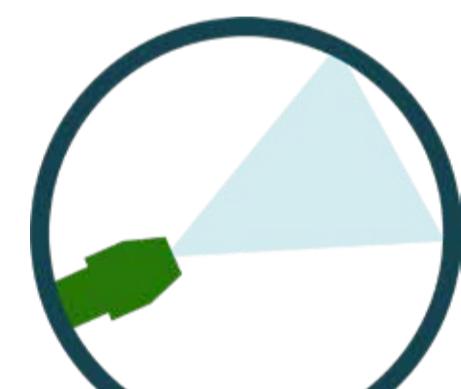
Functions:



Vegetative Development



How is it applied?



Spraying



Drip

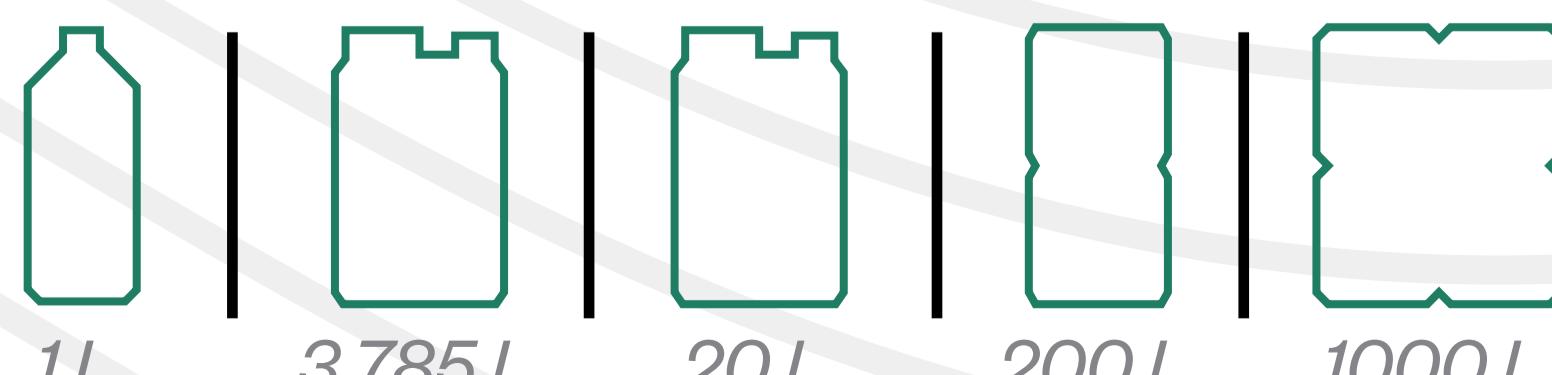
Range of use



Leaf



Soil



NITRACALCIUM + BORO

Product developed to strengthen plant cell walls with Calcium and enhance reproductive processes with Boron. It is highly agronomically efficient due to its nitrate formulation

Composition	Dosage
9% Nitrate N, 19% CaO, 0.5% B	1-2L/ha

Functions:



Flowering



Cell wall strengthening

Agronomic efficiency in:



How is it applied?



Spraying

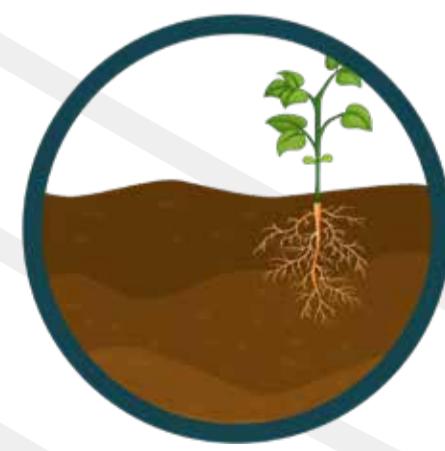


Drip

Range of use



Leaf



Soil

1L

3,785 L

20 L

200 L

1000 L





NITRIMAG

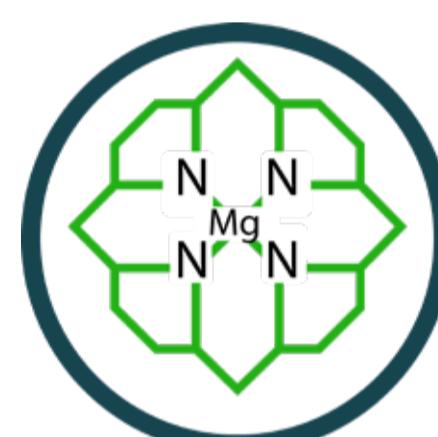
Product developed to counteract deficiencies of Nitrogen and Magnesium. Ideal for improving photosynthetic activity and plant development.

Composition	Dosage
8,5% N Nitrate, 8% MgO	2 l/ha

Functions:



Growth Promoter

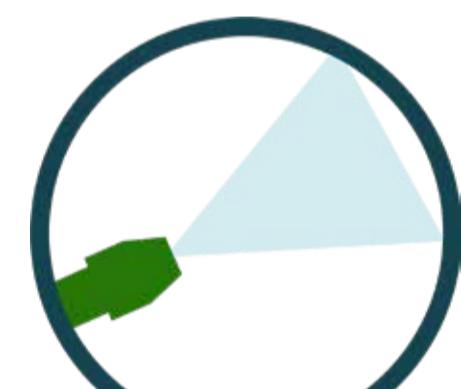


Chlorophyll

Agronomic efficiency in:



How is it applied?



Spraying



Drip

Range of use



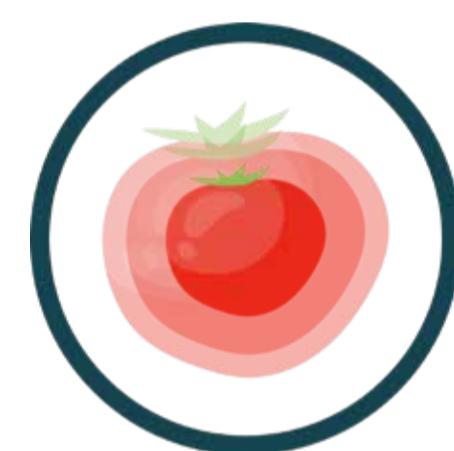


NK 5-30

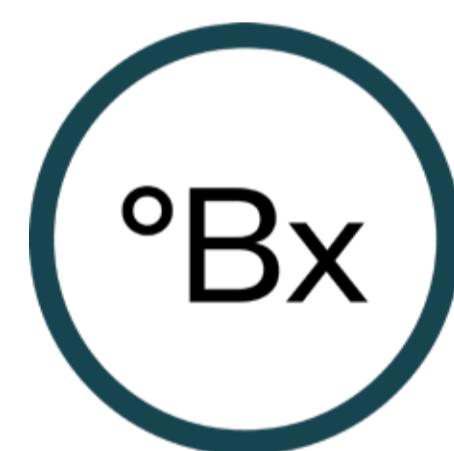
Product with a high potassium nitrate content, developed to thicken and fill fruits and grains, increasing their specific weight. It is an excellent maturation inducer for sugarcane, pineapple, and agave.

Composition	Dosage
5%N, 30%K	2L /Ha

Functions:



Filling agent



Ripening agent



How is it applied?

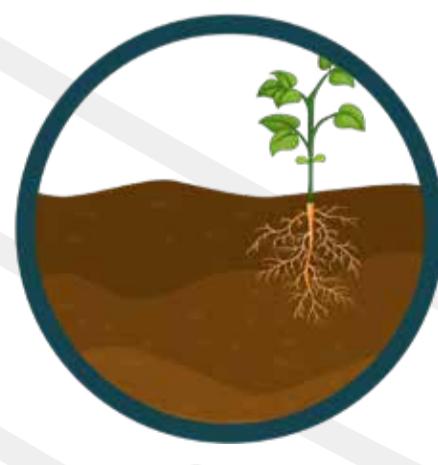


Spraying



Drip

Range of use





NP 5-30

Product with a high phosphorus content, essential for photosynthesis, nutrient transport, and root formation.

Composition	Dosage
5%N, 30%P	1 L/Ha

Functions:



Rooting agent



How is it applied?

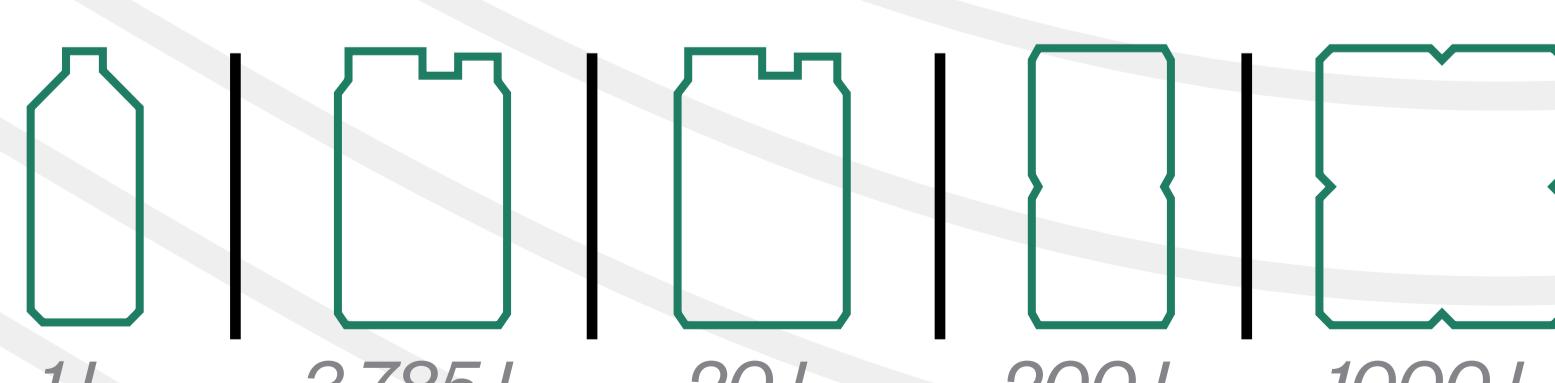


Drip

Range of use



Soil

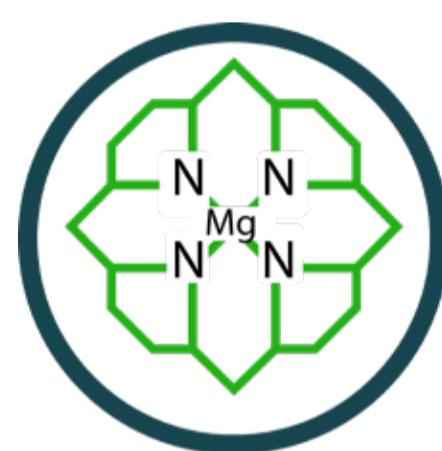


Magnezinc

Contains Magnesium, essential for chlorophyll formation, and Zinc, which plays a role in numerous physiological processes. Additionally, it contains chelated micronutrients.

Composition	Dosage
5% Mg, 4% Zn (N, S, B, Co, Cu, Mn, Mo, Fe) 13.384%	2L/Ha

Functions:



Chlorophyll



Growth Promoter



How is it applied?



Spraying

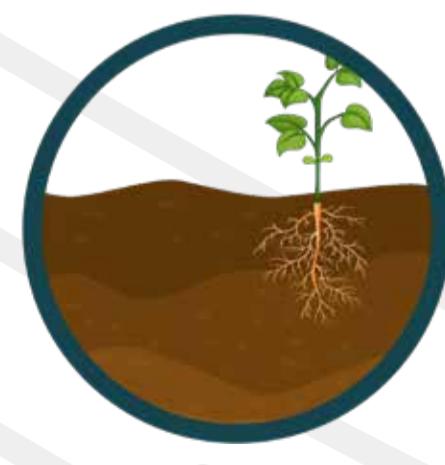


Drip

Range of use



Leaf



Soil

1L

3,785 L

20 L

200 L

1000 L





Gladius ASC

Biocide, disinfectant, and sanitizer. Inhibits fungi and bacteria that affect crops, preventing the spread of diseases.

Composition	Dosage
<i>Cationic surfactant</i>	Soil: 2 l/Ha Leaf: 10 cc/L of water

Functions:

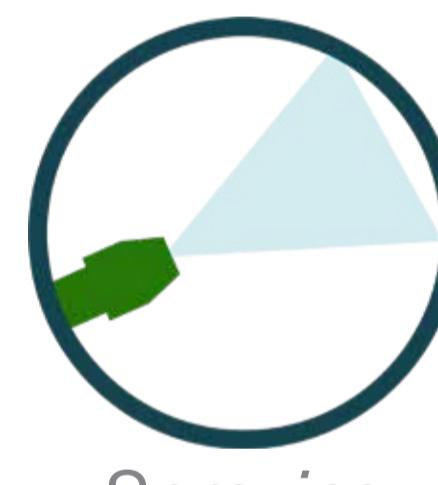


Biocide

Agronomic efficiency in:



How is it applied?



Spraying



Leaf



Drip

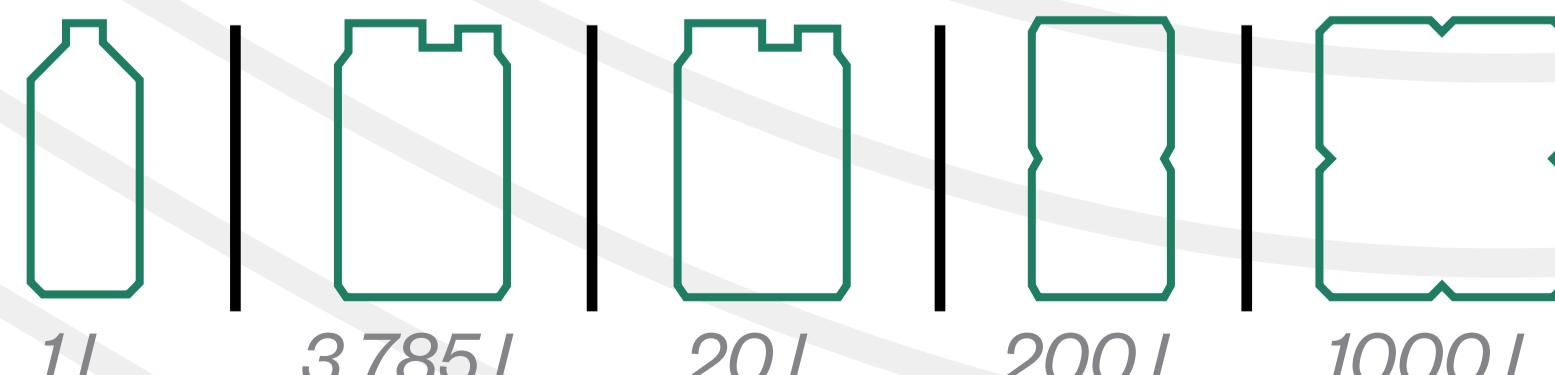
Range of use



Soil



Leaf





SURFACT 25

Surfactant-adhesive. As a surfactant, it reduces the surface tension of water, allowing for greater leaf surface contact. As an adhesive, it prevents the washing off of applied products.

Composition	Dosage
Diethylene glycol, Glycerin, Nonylphenol ethoxylated	2 cc/L of water

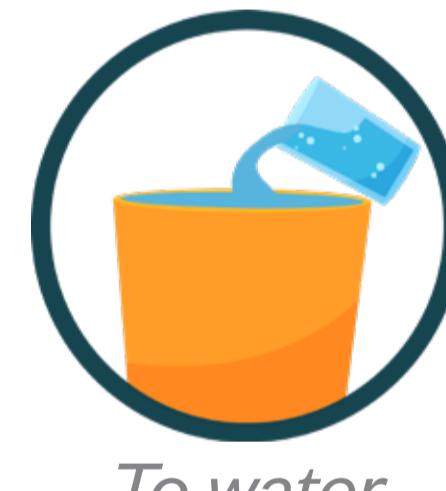
Functions:



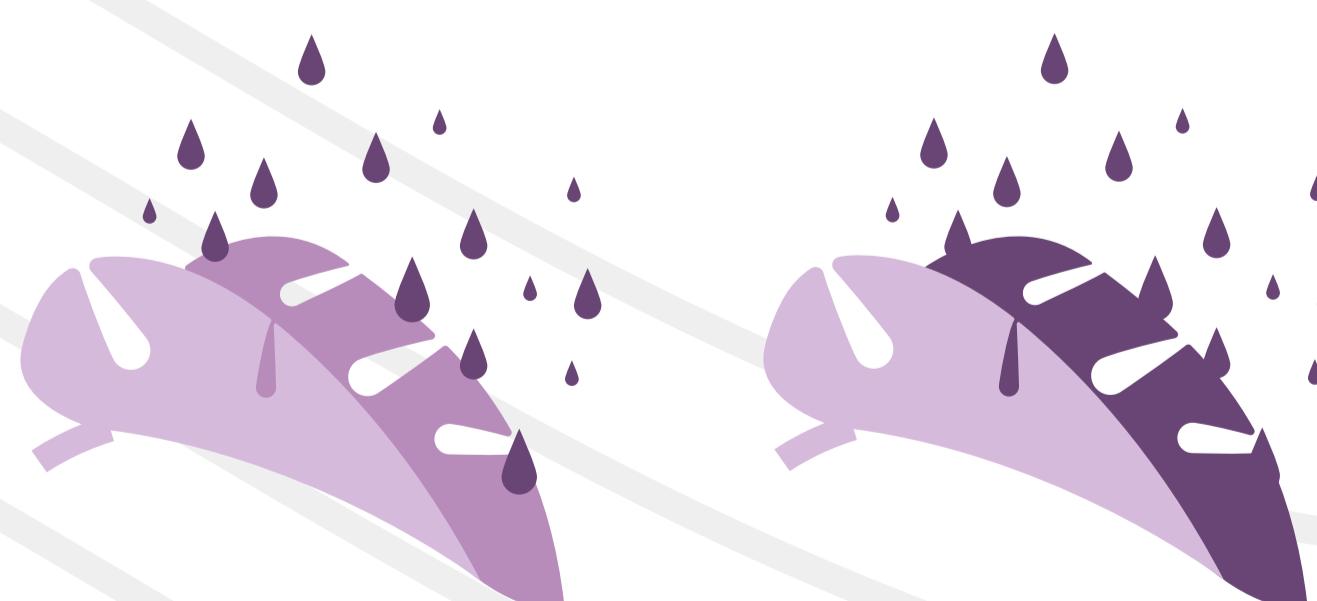
Agronomic efficiency in:



How is it applied?

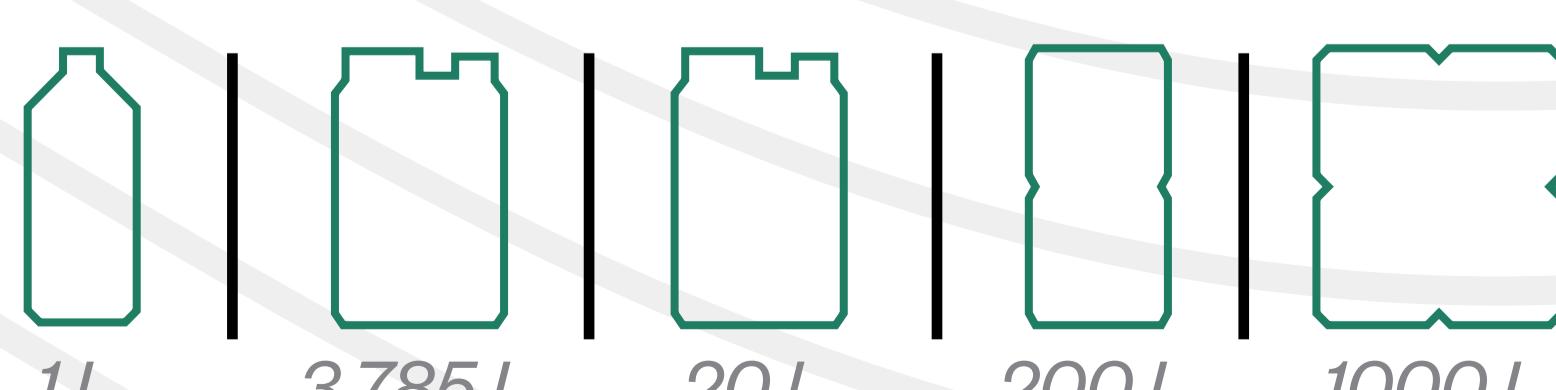


Range of use



Without SURFACT 25

With SURFACT 25





CLEAN SYSTEM

53% Nitric and Phosphoric acid descaling agent. Its cleaning action prevents carbonates from clogging the emitters in irrigation system.

Composition	Dosage
Nitric Acid, Phosphoric Acid, Inert Elements	2 cc/L of water

Functions:



Drip tape cleaner



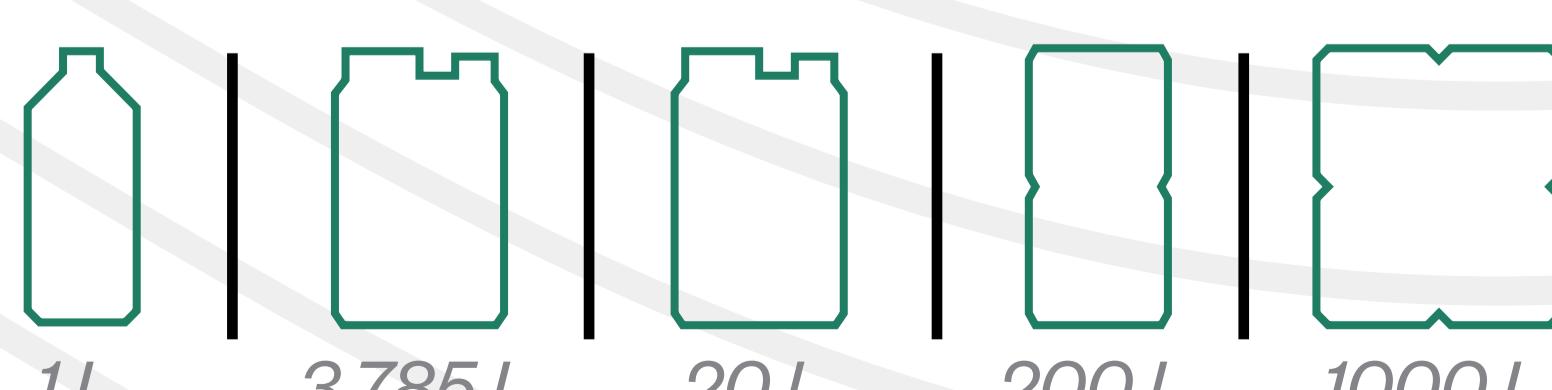
How is it applied?



Range of use



Soil





pH-AN30

pH regulator for water, formulated with Nitric Acid. Its function is to lower the water's pH, improving the efficiency and control of foliar fertilizers, bio stimulants, and agrochemicals.

Composition	Dosage
30% Nitric Acid	2 cc/L of water

Functions:



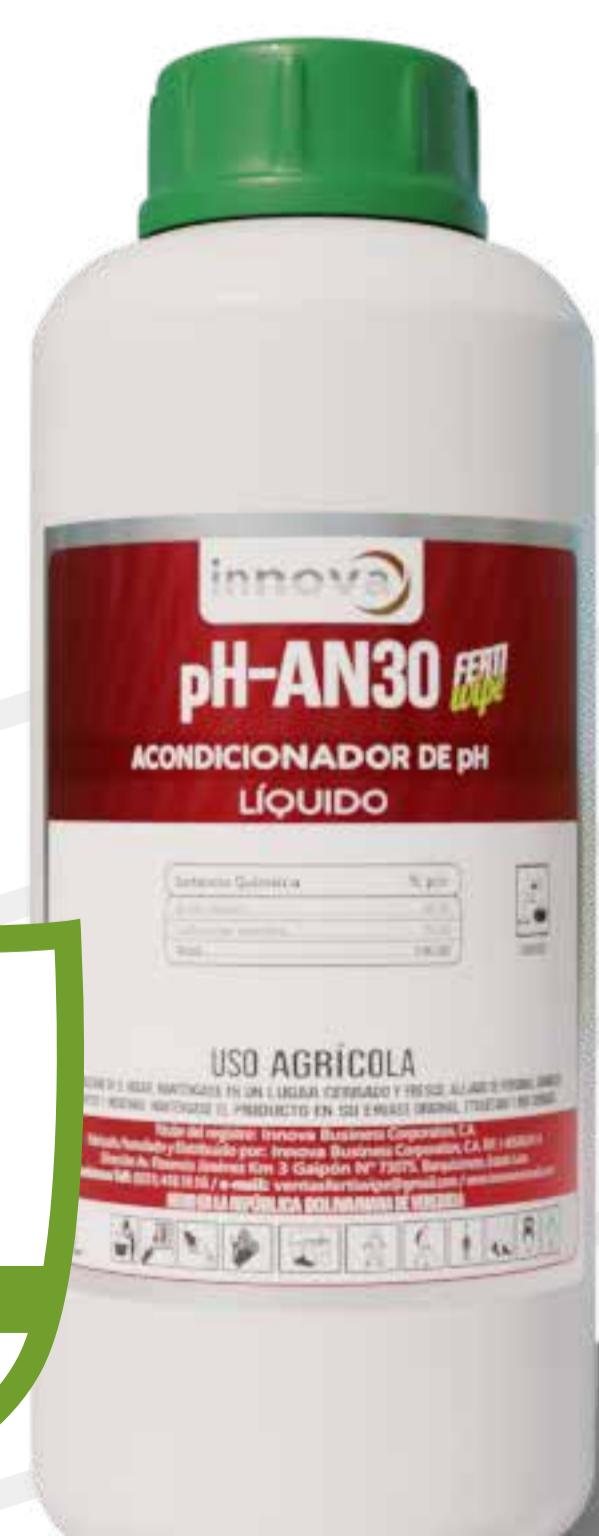
pH regulator agent



How is it applied?



To water



1L | 3,785 L | 20 L | 200 L | 1000 L



Organic

Line of fully organic fertilizers that increase both the quality and quantity of crops, while also improving soil structure.



Grupo
Innova®

VIDA FORTE

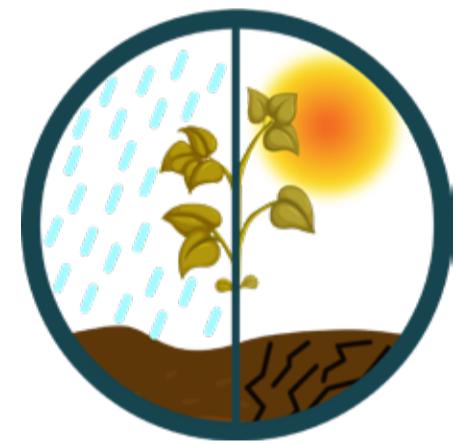
Metabolic activator (bio stimulant), stress reliever, enhancer of foliar fertilizers, herbicides, insecticides, and fungicides.

Composition	Dosage
<i>Humates</i> <i>17 amino acids</i> <i>1×10^6 Biological metabolites</i>	2-10L/Ha

Functions:



Growth Promoter



Stress reliever

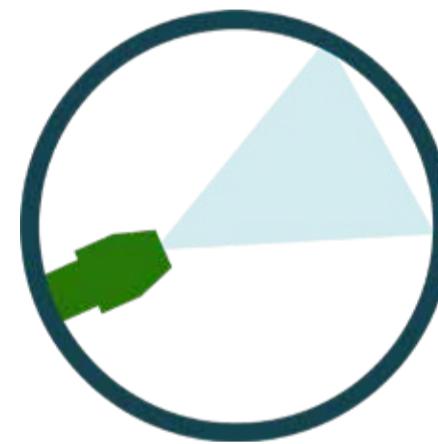


Bio stimulant

Agronomic efficiency in:



How is it applied?



Spraying



Seeds

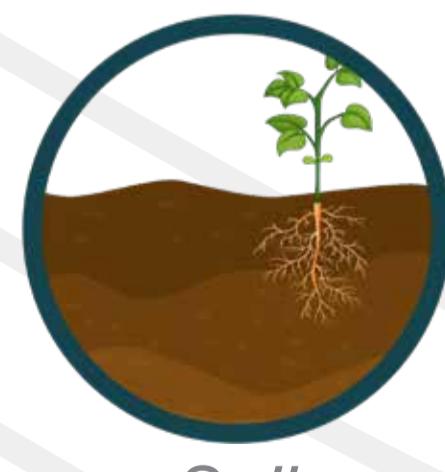


Drip

Range of use



Leaf



Soil

1L

3,785 L

20 L

200 L

1000 L



VIDA SÓLIDO

Soil enhancer, improving both its physical and biological properties.

Composition	Dosage
<i>Humates</i> <i>17 amino acids</i> <i>1×10^6 Biological metabolites</i>	400-600 kg/Ha

Functions:



Growth Promoter



Rooting agent

Agronomic efficiency in:

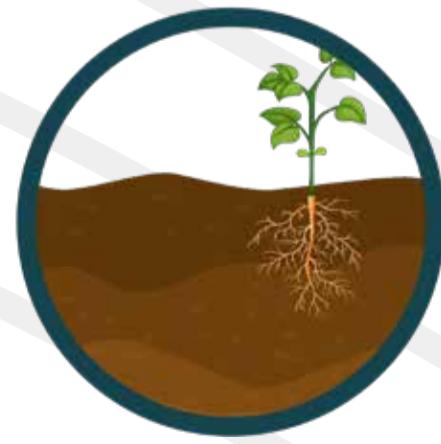


How is it applied?



Soil

Range of use



Soil



40 kg



Bulk

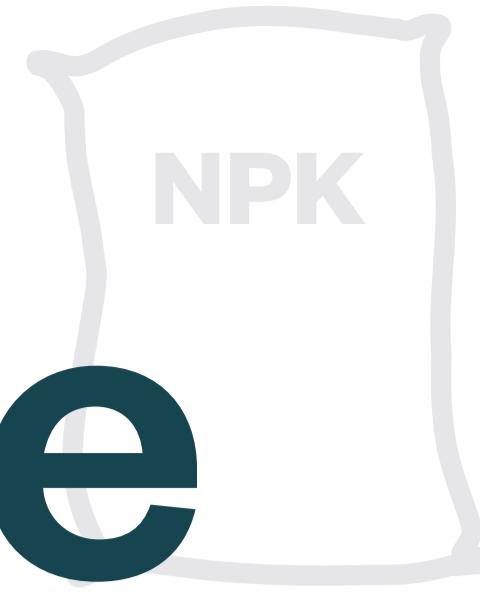


500 bags



600 bags





Edaphic line

Inorganic plant nutrition line, composed of highly agronomically efficient soils.



Grupo
Innova[®]



Edaphic



UREA GRANULADA



NPK 10-20-20 / 3Ca-2S

Nitrogen-based nutritional foundation for any crop, the highest on the market

Special for base nutrition in cereals



NPK 10-20-30



NPK 12-12-17 / 6Ca-4S

Formula designed for all stages of cultivation

Essential for crops that cannot use chloride as a potassium source



50 kg



8000 kg



30 metric tons



Edaphic

NPK



Balanced formula for rooting crops that do not require chloride in the formulation

Ideal balance for any stage of the crop



Essential during the crop development stage

Base nutrition for sugarcane cultivation



50 kg



8000 kg



30 metric tons



Edaphic

NPK



NPK 25-04-24



NK 43-00-04

Base nutrition for sugarcane cultivation

Nitrogen-based nutritional foundation for any crop



NP 44-02-00

Nitrogen nutritional source suitable for all types of crops



NITRO PLUS

Versatile for all crops, high in nitrogen, with added sulfur



50 kg



8000 kg



30 metric tons

Laboratories

In our laboratories, we are dedicated to helping you maximize the potential of your crops and improve the health of your soil. Discover the hidden power of your soil with our high-precision fertility and microbiological analyses.



Laboratory Services

Soil Fertility Analysis

We evaluate the essential nutrients present in your soil to ensure your crops receive everything they need to grow strong and healthy.

Microbiological Analyses

We identify and quantify the diversity and activity of the microorganisms present in your soil, providing a detailed view of its biological health.

Customized Recommendations

Based on the results of our analyses, we provide practical and specific recommendations for the sustainable and eco-friendly management of your crops.



We are also leaders in:

INDUSTRIAL AREA



Raw materials, specialized products for industrial cleaning, solutions for the oil industry, among other industrial solutions.

HOME



Detergents, air fresheners, specialized cleaners, air fresheners, and many more...

VEHICLE



Shampoo with wax, engine degreaser, coolants, and windshield cleaners.

YOU ARE ACHIEVING IT WITH US.

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@insubiol

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BIO®
TECHNOLOGY

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