



BIAGRO[®]

TRADITION IN MICROBIOLOGY

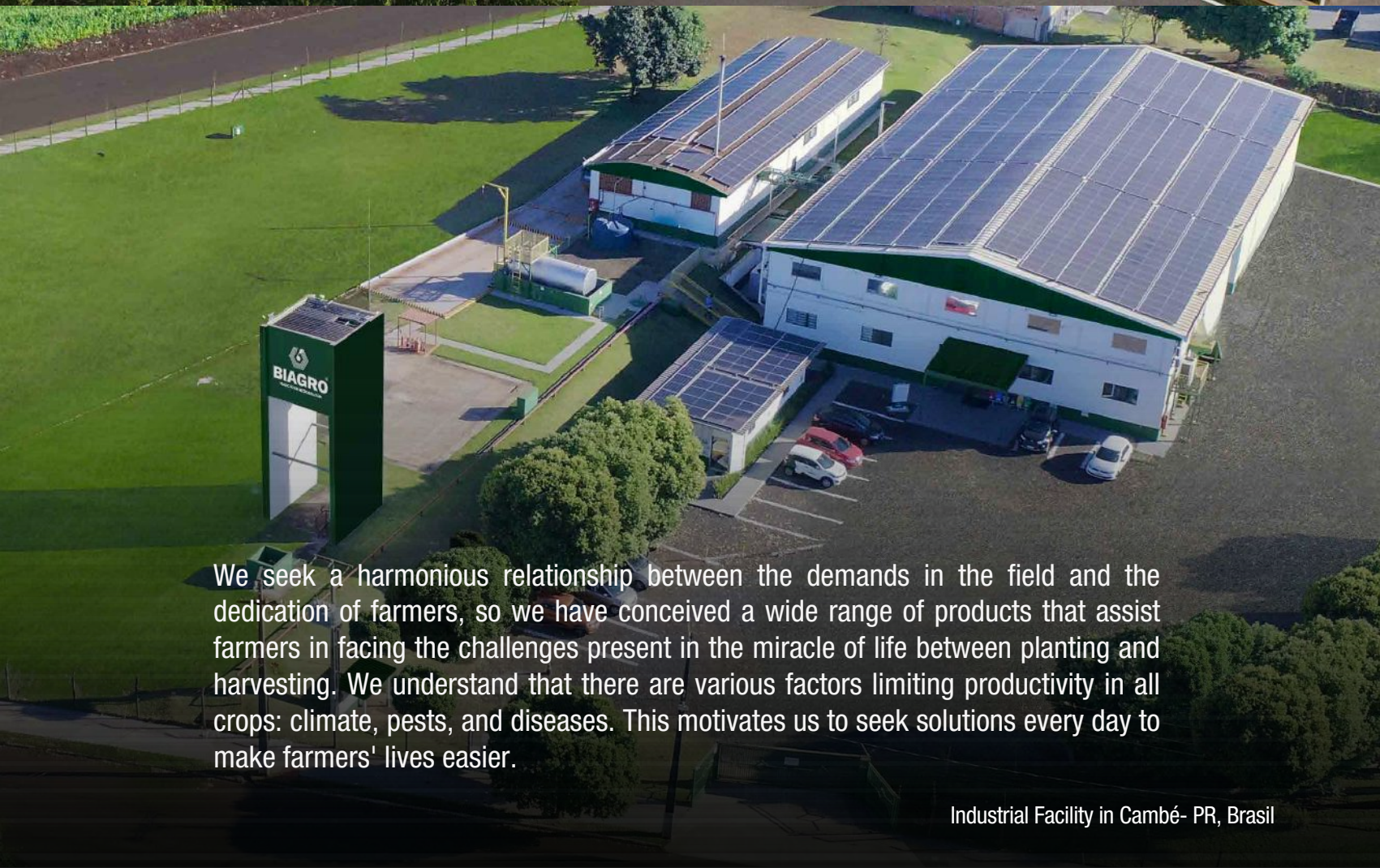


We are a company that has been in the field for almost four decades, traditionally oriented towards **agriculture** and **farmers**.



A question that has always guided us is:
What will be our legacy to agriculture?

Industrial Facility in General Las Heras, Province of Buenos Aires, Argentina



We seek a harmonious relationship between the demands in the field and the dedication of farmers, so we have conceived a wide range of products that assist farmers in facing the challenges present in the miracle of life between planting and harvesting. We understand that there are various factors limiting productivity in all crops: climate, pests, and diseases. This motivates us to seek solutions every day to make farmers' lives easier.

Industrial Facility in Cambé- PR, Brasil

BIAGRO IS WITH THE FARMER FOR THEIR LEGACY

Our technologies favor the establishment and development of crops, and we go further by using our technologies to bring better results to our customers.

THIS IS TRUSTWORTHY BIOTECHNOLOGY AND RESULTS.

All our products are registered with national regulatory agencies, providing security to the field. Concerned about the quality and reliability of our solutions, we have one of the largest manufacturing facilities in Latin America, where we produce and guarantee the quality of our products. Among various strategic partnerships, we have the privilege of developing products with the Brazilian Agricultural Research Corporation - **EMBRAPA**.




BIAGRO

**WE HAVE OUR OWN LABORATORIES
WITH TOP-LEVEL FACILITIES AND
RESEARCHERS**

BIAGRO[®] Energia

+ Energy
+ Productivity
+ Results



BIAGRO ENERGIA IS ESSENTIAL!

Biagro ENERGIA is composed of *Bacillus megaterium* and *Bacillus subtilis*, It is a solubilizer and mineralizer of phosphorus that acts on both the organic matter of the soil and the phosphorus retained by calcium, iron, and aluminum, solubilizing the retained phosphorus at all retention points in the soil. Another way the product works is by increasing the efficiency and utilization of planting fertilization, thus providing a greater supply of this element to the crops.

We are proud to have the endorsement of the Brazilian Agricultural Technology Corporation - **EMBRAPA**, with **Biagro ENERGY** resulting from a strategic partnership between Biagro and the globally renowned **Embrapa**.



As an innovative product that improves phosphorus utilization, **Biagro ENERGY** is a fundamental tool for farmers, as its use will bring multiple benefits, including increased productivity.

Benefits

- + Phosphorus availability
- + Efficiency in Fertilization
 - + Energy for plants
 - + Results
- + Profitability



BIAGRO[®] Raiz

START AT THE ROOT

Biagro RAIZ is a microbiological nematicide composed of *Bacillus velezensis*, being a fundamental tool for nematode management. Protecting the roots is the initial battle for the success of a production, and **Biagro** brings to the market an ally in this mission. The active ingredient of the product is innovative in the market and has a broad-spectrum characteristic, along with high colonization speed. Multiple benefits include increased productivity.



BIAGRO RAIZ, YOUR GREATEST ALLY AGAINST NEMATODES



Benefits

- + Healthy roots
- + Plant Stand
- + Nutrient transport
- + Base structure
- + Root protection time
- + Productivity

GREATER PROTECTION AND PRODUCTION

BIAGRO[®] Solo

Biagro SOLO is a microbiological fungicide composed of the fungus *Trichoderma harzianum*. The technology is indicated as a tool for managing soil diseases and white mold. We know that soil diseases are problems found in all regions, and their impacts are significant, even causing the impossibility of planting some species in extreme cases. **Biagro**, oriented to offer technologies that help farmers, has in **Biagro Solo** its main tool for managing these diseases.



BIAGRO SOLO IS SECURITY

Benefits

- + Action Mechanisms
- + Root Volume
- + Plant stand
- + Nutrient Absorption
- + Soil exploration
- + Water Absorption Capacity
- + Profitability
- + Productivity

BIAGRO[®] Proteção₅

FOR A HEALTHIER END OF CYCLE

Biagro PROTEÇÃO is a microbiological fungicide composed of *Bacillus amyloliquefaciens*, and its formulation contains a series of compounds that collaborate in the action of the bacterium, increasing the response in the control of end-of-cycle diseases - DFC. This is a tool that has come to revolutionize the management of DFC; diseases that are increasingly present and pathogens that evolve crop after crop, making the management of these diseases very difficult. **Biagro** brings to the market **Biagro Proteção**, aiming to optimize the control of these pathogens, a strong reinforcement for your fungicide program.



BIAGRO PROTEÇÃO, BE PART OF THIS TEAM

Benefits

- + Healthier leaves
- + Action mechanisms
- + Photosynthesis
- + Plant resistance
- + Reserves
- + Bags per hectare

EFFECTIVE MANAGEMENT AGAINST CORN LEAFHOPPERS

BIAGRO®
Attak

Biagro ATTACK is a microbiological insecticide formulated from the fungus *Beauveria bassiana*, recommended for the management of whiteflies and corn leafhoppers. It is estimated that the damage caused by leafhoppers can result in losses of up to 90% of production, making correct management extremely important.

Its mode of action begins with direct contact with pests. After this process, **Biagro ATTACK** initiates the germination of its spores, penetrating the insect's body, causing paralysis in the insect's feeding and subsequently its death.



BIAGRO ATTACK SCORES AGAINST THE LEAFHOPPERS TEAM

Benefits

- + Spectrum of activity
- + Pest Control
- + Persistence in Control
- + Security
- + Integrated management
- +Resistance ATTACK
- + Productivity

BIAGRO® Impacto

Biagro IMPACTO is a microbiological insecticide based on *Isaria fumosorosea*, an innovative product with high-technology formulation for controlling whiteflies and psyllids in citrus crops.

Its mode of action begins after Biagro IMPACTO comes into contact with the target, starting its germination and invasion of the insect's body, causing a reduction in movement, feeding, and subsequently its death.

INNOVATIVE AND POWERFULL



AN IMPACT ON THE LIVES OF INSECTS

Benefits

- + Formulation Technology
- + Action Range
- + Persistence in the Environment
- + Microorganism Resistance
- + Management Tools
- + Intelligence
- + Profit

AN ALY ON THE SUGAR CANE FIELD

BIAGRO[®]
Cana

Biagro CANA CANE is a microbiological insecticide formulated from the fungus *Metarhizium anisopliae*. The product is indicated for the control of sugarcane leafhoppers, a pest that, with the advent of mechanized harvesting, has taken over causing significant damage to the crop, leading to up to 80% losses.

Its action begins immediately after application, where **Biagro CANA** comes into contact with the leafhoppers, initiating an infectious process, quickly causing their paralysis and subsequently leading to their death. This technology has a bonus in its action; when the fungus establishes itself in the environment, control persists over time, thus controlling the insect for a longer time.



BIAGRO CANA IS PERCISTANCE AND VERSATILITY IN THE ENVIRONMENT

Benefits

- +Versatility in Management
- +Specificity
- +Action Time
- +Management Tools
- +Stubble
- +Cane on the Conveyor



BIAGRO[®] Pasto

COMBAT AGAINST THE LEAFHOPPERS

Biagro PASTO is a microbiological insecticide formulated from the fungus *Metarhizium anisopliae*. The product is indicated for the control of pasture leafhoppers, a pest that affects the growth and quality of pastures, causing up to 45% losses.

Its action begins immediately after application, where **Biagro PASTO** comes into contact with the leafhoppers, initiating an infectious process, quickly causing their paralysis and subsequently leading to their death. This technology has a bonus in its action; when the fungus establishes itself in the environment, control persists over time, thus controlling the insect for a longer time.



GET RID OF LEAFHOPPERS, GO WITH BIAGRO PASTURE

Benefits

- +Versatility in Management
- +Pasture
- +Action Time
- +Management Tools
- +Meat
- +Milk
- +Results

THE IDEAL INSECT MANAGEMENT

BIAGRO[®] Cristalles

Biagro CRISTALLES CRISTALLES is an ingestion microbiological insecticide formulated from the bacterium *Bacillus thuringiensis*.

The product is indicated for the complex of caterpillars that affect crops. As a biological pesticide, its use is conditioned to the pest rather than the crop, thus it can be used in all crops where these pests occur.

A ROCK IN THE PATH OF CATERPILLARS



Benefits

- +Bt Proteins
- +Residual
- +Caterpillar Control
- +Leaf Area
- +Leaf Area
- +Productivity

INOCULANTS



FOR THE SUCCESS OF YOUR HARVEST

BIAGRO®

BIAGRO10

Biagro 10 is a special inoculant formulated from the bacterium *Bradyrhizobium japonicum* SEMIA 5079 e SEMIA 5080. When used, it can provide all the nitrogen that soybean cultivation needs, thus enabling soybean cultivation.

BIAGRO 10, , FOUR DECADES FOR AGRICULTURE

Its effectiveness is linked to Biagro's **SOLID** knowledge in biotechnology, as we are a company that has been doing this for four decades. Through a production process different from that practiced by most companies, we can bring quality and efficiency to our customers who use **Biagro 10**, a product that is part of our legacy to agriculture.



BIAGRO[®] N₂

BIAGRO N₂, NITROGEN ON THE ROOT

Biagro N₂ is a potent inoculant for grasses and co-inoculation in soybeans. Formulated from the bacterium *Azospirillum brasilense* Ab-V5 e Ab-V6, this technology stimulates root development, allowing the plant to better explore the soil, providing greater water and nutrient supply. In the case of soybeans, **Biagro N₂** optimizes nodulation, ensuring the success of your crop.



BIAGRO N₂ AND BIAGRO 10, A SUCCESSFUL DUO IN THE FIELDS.



GREATER FIXATION

BIAGRO® Beans

Biagro Beans is a special inoculant formulated from the bacterium *Rhizobium tropici*, destined for bean cultivation. Promotes efficient nitrogen fixation for plants, favoring growth and reflecting productivity.



BIAGRO® Vigna

COWPEA; EXPLORE ALL YOUR POTENTIAL

Biagro Vigna Vigna is an inoculant developed specifically for cowpea culture, formulated from strain SEMIA 6462 of the bacterium *Rhizobium sp.* Its action is through establishing a beneficial relationship between the bacteria in **Biagro Vigna** and the roots of the cowpea culture, thus promoting biological nitrogen fixation, an essential nutrient for plants.



BACTERIAL PROTECTORS



THE SECURITY YOUR SEEDS NEEDS

BIAGRO® Fix Super

Protection, effectiveness, and safety for your inoculation. **Biagro Fix Super** is an innovative product based on microbiological polymers for seed treatment, ensuring greater cell adhesion, thus enabling longer survival of the microorganisms used in seed treatment.



Benefits

- + Security
- + Protection
- + Fixation
- + Guarantee

BIAGRO[®] Fix

ADESIVO PARA INOCULANTE

Fixa e Protege

PROTECTION AND LONGEVITY FOR INOCULANTS

Biagro FIX is a product that provides greater adhesion of the inoculant to the seeds. As it has properties that keep bacteria and particles in suspension in the inoculation solution, optimizing the dosage, distribution, adhesion, and survival of microorganisms in the seeds.



Benefits

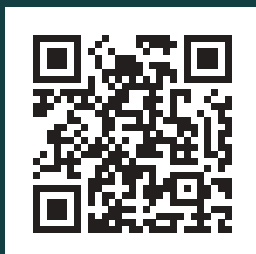
- +Adhesion
- +Bacteria survival time
- +Biological nitrogen fixation
- +Compatibility

We are driven by passion and tradition; our history blends with the history of many farmers, and we are confident that we will still write many chapters together.

Biagro is a traditional company in the biosolutions segment, operating in the field for four decades. We were born in Argentina, and 38 years ago, we entered the Brazilian market, since then providing solutions that optimize and facilitate the lives of our customers. In 2021, our story gained a new chapter when we became part of the ecosystem that includes the brands Simbiose and Bioma. Today, together, we form the largest ecosystem of biological solutions in the Americas.

From 2021 until today, we have sought to expand our operations in Latin America, especially here in Brazil, our home today. Within our products lies the most solid technology in terms of biosolution production; our production plants are among the largest in the country, providing quality and safety to our partners. We are the oldest company in the segment; tradition and technology are our motto, and we will continue to work hard for a legacy for agriculture and farmers.

Point your phone's camera and watch our institutional video:





BIAGRO[®]

TRADITION IN MICROBIOLOGY



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