

# Biotech for Life



## PRODUCTS CATALOGUE





## OUR COMPANY

Founded in 1991, TRICHODEX® is a Spanish Biotechnology company specializing in agriculture. From an integrated approach to Innovation, we have a multidisciplinary R&D&I department that pours the research results into our high technology products. For production and quality control, we have at our headquarters our renowned laboratories and innovative manufacturing plants. This competitive advantage allows TRICHODEX® to offer solutions according to the needs of Farmers from around the world.

## CERTIFIED BIOTECHNOLOGY FOR AGRICULTURE

In TRICHODEX's buildings, we work during all the stages related with the extraction, processing and formulation of the different active substances to develop our biotech products. All the trials we carry out for different crops and solutions, from in vitro to field trials, and the quality control of our products follow the European and Spanish regulations and certifications.

## OUR PRODUCTS

The technology of our TRICHODEX® products contributes a high added value and an increase in the economic profitability to the crops, providing trust and security for the Farmer.



# TECNOLOGÍA TRICHODEX®



**FPB**®  
FERMENTATION POLYPHASIC BIOTECHNOLOGY



**Mamps**®  
MICROBES-ASSOCIATED MOLECULAR PATTERN

 **TRICHODEX**®



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TRICHODEX® BIOPROTECTION products have a natural, vegetable and microbial origin. They contain substances either derived from the fermentation of microorganisms, such as bacteria and fungi, or derived from plant macro-organisms, with a control effect on diseases that affect crops.

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# BIOPROTECTION



## BIOCLEAN<sup>®</sup>

Biotechnological product made of lactobacillus ferments that **increases the defenses of fruit trees, horticultural crops, vineyard, citrus trees, rice and strawberry crops against diseases like powdery mildew, botrytis, pyricularia, as well as some bacterial diseases.** Suitable for environments with high humidity, sensitive varieties of crops and persistent diseases. Biofungice with zero waste.

*Commercialized in: 1L*



## BIORESIST<sup>®</sup>

Product formulated based on the poly-D-Glucosamine polymer enzymatically hydrolysed. It acts as elicitor of the mechanisms of defense of the plants. It **stimulates plant growth, favors rooting, the physiological development and the absorption of nutrients,** and increases the defenses against biotic and abiotic factors. Especially suitable for **greenhouse crops.**

*Commercialized in: 1L, 5L, 20L*



## LISOPHOS

Natural formulation based on lecithin to control powdery mildew (**pepper, cucumber, lettuce, vineyard, apple, redcurrant, pineapple**), mildew (**tomato, vineyard, endive**) and **peach leaf curl.** Recommended to **increase elasticity of the skin of fruits, avoiding cracking and diseases.** It speeds up the color change and homogenizes the crop. With zero waste warranty.

*Commercialized in: 1L, 5L, 20L*



## SQ6

Formulated fungicide and bactericide of Chitosan hydrochloride, with the active substance with highest concentration of the market, that acts as **inductor of resistance of the crops against fungi and bacteria.** Indicated for the treatment of seeds, and for fruits with seeds and stones, **pomegranate, horticultural crops, strawberries, red fruits and cereals.**

*Commercialized in: 1L, 5L, 20L, 1000L*



# BIOESTIMULANTS



## MEERKAT®



Product recommended to stimulate and improve the root development of the crops. Its formulation stimulates the defense mechanisms of the plant and activates the rhizosphere, **controlling and reducing the attack of nematodes.**

*Commercialized in: 1L, 5L*



## GROWING AM

Amino acid enriched with phosphorus, recommended to **favor and ensure the flowering and fructification.** Its composition and acid pH improve the efficiency of the product when it is mixed with other phytosanitary and nutritional products.

*Commercialized in: 1L, 5L, 20L, 1000L*



## METIONIKO®

Specific amino acid without hormones, that favors the **color change** on fruits, **accelerates and homogenizes the ripening** of the crops, **develops a better firmness** on fruits and allows them to last for a longer time after the harvesting. Recommended for grapes, fruits with seeds and stones, citrus, tropical trees and horticultural crops.

*Commercialized in: 1L, 5L, 20L, 1000L*



## GROWING-HOOK

Specific amino acid for foliar application to **increase the flowering and ripening** on table grapes, olive, citrus and tropical trees, horticultural crops and fruits with seeds and stones. Its formulation based on Boron and Molybdenum improves the quality of the pollen and the fecundation of the flowers.

*Commercialized in: 1L, 5L, 20L BS-95*



# BIOESTIMULANTS



## BS-95

Formulation based on phosphorus and potassium with microelements, recommended to be used after flowering in **olive trees, vineyard, strawberry, horticultural crops and fruits with seeds and stone to ensure the ripening, fixation and establishment of the fruits.**

Commercialized in: 1L, 5L



## BIO-SOLA.M.C.<sup>®</sup>

Amino acid with microorganism ferments to increase the efficiency of the absorption of fertilizers on roots with a soil application, **favoring the microbial activity of the soil bacteria.**

Commercialized in: 1L, 5L, 20L, 1000L



## ENZYMATIC<sup>®</sup>

Biotechnological formulation of a fermentation process with different specific enzymes that increase the defense response of the plant in the aerial tissues and the fruits. With a high drying power, it **paralyzes the development of diseases such as rust and mildew, increasing the effectiveness of fungicides.**

Commercialized in: 1L, 5L, 20L



## PRODIGY

Its formulation contributes to increase the metabolic activity of the roots of the plants, generating a physiological response that **induces resistance in the plant and avoids the incidence of soil pathogenic fungi.** Increasing the assimilation of nutrients and optimization of water absorption.

Commercialized in: 500g



# BIOESTIMULANTS



## CITOMASTIC®

Product specially recommended to ensure the process of ripening in horticultural crops, olive, fruit trees, citrus and vineyard. With a foliar application after the petals fall, it improves the photosynthesis, the metabolic and enzymatic activity of the plant. Increase the yield and the quality of the fruits.

Commercialized in: 1L, 5L



## EVOIX

Formulation with foliar application that reduces the abiotic and oxidative stress of plants under changes in temperature, sunstrokes, high UV radiation, saline soils, lack of water and phytotoxicity of plant protection products. Recommended to all crops, especially for citrus and banana trees (mixed with summer mineral oils).

Commercialized in: 1L, 5L, 20L



## ZINC TIP PLUS

Liquid formulation based on Zinc, Phosphorus and Amino acids, with a quick assimilation and recommended to be used during the first development stages until the flowering of the plants. With foliar application on horticultural, cereal, onion and rice crops, and fruit trees and citrus.

Commercialized in: 1L, 5L, 20L



# BIOESTIMULANTS



## BIOKELAT® LINE



### BIOKELAT®

Biotechnological formulation of a **multistage fermentation process (FPB)** with a high concentration of **bioactives** of an eliciting nature capable of **stimulating photosynthesis**, antioxidant activity as well as the **secondary metabolism of plants**. **Applicable to all crops types**.

Commercialized in: 1L, 5L



## AVOID LINE



### AVOID

Formulations that act as an excellent enzyme activator in various physiological processes of the plant. They induce thickening in the cell walls of the plant, hindering the **penetration of pathogens and pests**. **High efficiency** in combined treatments for the control of pests.

Commercialized in: **ATTRACK-SUGAR®** en 5L; **CABORZIN** en 1L; **WITHYOU** en 1L, 5L; **INCREASE** 1L, 5L; **GLUCISAL** 1kg





# BIOFERTILIZERS



## TRICHOBACTER®

Formulation based on soil-regenerating microorganisms, which **improves the physical, chemical and biological structure** in the root environment, favors root development and increases the availability of key nutrients such as Phosphorus, Nitrogen and Potassium for the crops.

*Commercialized in: 1L, 5L, 20L, 1000L*



## FINDER

It is formulated in order to increase the **fixation of nitrogen for indoor and outdoor horticultural crops, alfalfa, lentils, chickpeas, lupine, clover and soy**. It promotes the metabolic activity of the **plant roots**, increasing the symbiosis and activity between soil and root microorganisms.

*Commercialized in: 1L, 5L, 20L, 1000L*



## BACNIFOS

Formulation that **increases the solubilization and availability of Phosphorus in the soil** through two different mechanisms: post-emergency treatment (**Rice, Corn, Cereals, Cotton, Beetroot, Sunflower**), and soil application before flowering for **fruit trees, vineyard, olive trees, table grapes and indoor and outdoor horticultural crops**.

*Commercialized in: 1L, 5L, 20L, 1000L*



## BIOSTOP

Formulated that increases the defense **mechanisms of the plant against biotic stress**. It acts as an enhancer of the crops thanks to the rhizobacteria, which invigorate the biological activity of the rhizosphere and improves the structure. Specially designed for application radicular in **olive grove**.

*Commercialized in: 1L, 5L, 20L, 1000L*

# NUTRITIONAL PRODUCTS



## BIOROOTING

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### ATOLON

Biorooting product recommended for **indoor and outdoor horticultural crops, seedbed and nursery plants**. To get a **bigger development and activity of the root system of the crops**, ensuring the rooting even after the transplant.

*Commercialized in: 1L, 5L*

## DEFICIENCY BIOCORRECTOR

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### MOLYBLUE®

Specially in flowering. **Reduce the stress before the flowering period, to help boost the induction and the number of flowers, and to secure the ripening of the fruits**. Recommended in **citrus, banana, fruit and olive trees**, as well as indoors and outdoors **horticultural crops**.

*Commercialized in: 1L, 5L, 20L, 1000L*

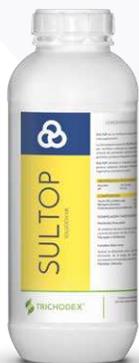


### RIPEN-K

Formulation based on fast-absorbing and assimilating Potassium to **improve the ripening processes in horticultural crops, table grapes, and fruit and citric trees**. Product free of chlorides, carbonates, sulfates and phosphates.

*Commercialized in: 1L, 5L, 20L, 1000L*

# NUTRICIONAL PRODUCTS



## SULTOP

Liquid and clear formulation based on Sulfur with a systemic action. Does not spot the fruit. Both foliar and soil application to control the powdery mildew and the red spider diseases in indoors and outdoors horticultural crops, strawberry, fruit trees and tropical crops.

Commercialized in: 1L, 5L, 20L, 1000L



## CLAWBOR

Liquid corrector that prevents and corrects Boron deficiencies. Complexed with ethanolamine, it is quickly absorbed with both foliar and soil application in horticultural crops, strawberry, and fruit and citrus trees.

Commercialized in: 1L, 5L, 20L



## MOLICREAM

Solid formulation based on Phosphorus and Potassium with microelements (Boron and Molybdenum), with soil application before flowering until ripening. Recommended for cucurbitaceous, tropical and ornamental crops.

Commercialized in: 1KG



## TRICHOQUEL® MIX PLUS L

Liquid formulation based on chelated Iron, Manganese, Zinc and Copper as well as inorganic, water-soluble Molybdenum, recommended to correct deficiencies and phisiopathies in leaves and fruits of all types of crops with a foliar and soil application.

Commercialized in: 1L, 5L, 20L, 1000L

# NUTRICIONAL PRODUCTS



## TRICOPPER

Micro-encapsulated Copper Gluconate, recommended to **control fungal and bacterial diseases in olive tree, vineyard, citrus and fruit trees, horticultural crops, avocado and papaya** through a systemic and rapid assimilation with a foliar or soil application.

*Commercialized in: 1L, 5L, 20L, 1000L*



## GREAT

Corrector with calcium and boron complexed with gluconic acid, that ensures and ease the availability of these elements in the plant with a fast absorption. Foliar and soil application. Product free of chlorides, sulfates and nitrate.

*Commercialized in: 1L, 5L, 20L, 1000L*



## CLAWCAL

Calcium corrector recommended for saline or acid soils, or those with permeability problems. It acts releasing and providing calcium to the plant. This product is recommended for all types of crops. Product free of chlorides, sulfates and nitrate.

*Commercialized in: 1L, 5L, 20L*



## CLAWFER 600

Micro-granulated and solid product with a high solubility, recommended to correct deficiencies of iron in soil. It is chelated with EDDHA in perfect orto-orto and orto-para balance to provide stability, availability and absorption of iron to those soils with a high pH.

*Commercialized in: 1KG*

# NUTRICIONAL PRODUCTS



## BETTER-K

Specific product that **increases the Brix degrees of the fruits from maturation to harvest**, improves its quality and stimulate the turning of color, indicated for **all types of crops**, applied via soil through irrigation system.

*Commercialized in: 5L, 20L*

# NUTRICIONAL PRODUCTS



## SOIL STRUCTURER

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### DESTROY SALT

Product indicated to desalinate soils with high sodium content, which **reduces electrical conductivity (EC) and percentage of exchangeable sodium (PSI)**. It is also used to desalinate irrigation water.

*Commercialized in: 1L, 5L, 20L, 1000L*



### STRONG POWER

**Improve the physical, chemical and biological soil structure.** Especially indicated to increase **cation-exchange capacity (CEC)**, and to improve the activity and **development** of soil microorganisms. **Long-lasting** product in soil.

*Commercialized in: 1L, 5L, 20L*



### TRICHO HÚMICO

**It improves the rooting of the crops and the structure.** Acts immediately, activating the microorganisms of the ground and stimulating the root development of the cultures. Product of **high stability and miscibility** in the application by its formulation.

*Commercialized in: 1L, 5L, 20L*

# NUTRICIONAL PRODUCTS



## BIOTIC CORRECTOR

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### TRICHOBOT

Biotechnological formulation enriched with specific microelements, which activates different defense mechanisms in the plant. Reduce the impact of different biotic factors, especially caused by **Phytophthora**, **Botrytia**, **Monilinia**, **Anthraco**se and some bacterial diseases in almond trees, fruits with bone and horticultural crops.

*Commercialized in: 1L, 5L, 20L*



### TIDAL®

Biotechnological and fermented formulation that reduces the impact of some biotic factors, on roots caused by **Phytophthora** and on leaves caused by **Anthraco**se and **Olive peacock spot**. Recommended for citrus and olive trees, horticultural crops and strawberry.

*Commercialized in: 1L, 5L, 20L*

# CERTIFICATIONS TRICHODEX®





**BIOTECH OF THE FUTURE APPLIED TO TODAY'S AGRICULTURE**



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