

HEFE FERTILIZER



PRODUCT CATALOG

Above & beyond fertilizers company

www.hefefertilizer.com



HEFE FERTILIZER

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CATALOG

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WELCOME NOTE

I am pleased to introduce HEFE Fertilizer, a company founded in 2006 and devoted to the development, manufacture, packaging and marketing of all types of fertilizers, appropriate for any stage of the crop cycle. Year after year we have been improving and adapting to the needs of our customers through constant communication. This has led us to create new formulas, which is one of the many references of our expertise. Excellence at work is the goal of every one of us at this company.

We are an experienced, family-owned business with a high market penetration rate and a clear vocation for continuity and innovation. HEFE Fertilizer was born to meet the demands of a society that is ever more concerned about healthy habits and healthy food.

Currently, we have more than 100 products and formulations, as well as multiple private trademarks, all registered and approved. Our export activities, internationalization strategy and new product development projects are focused on our present and future through the implementation of international projects, with the objective of reaching new market niches.

At HEFE we keep our strong commitment to healthier agriculture and therefore invest continuously to be at the forefront of technology, which allows us to obtain environmentally friendly and profitable products for farmers.

In our facilities, equipped with the latest technology, we produce the best fertilizers, designed specially to nourish any crop cycle and achieve maximum yields, as well as a wide range of biological pesticides.

We are convinced that the information in this catalog will be of your interest and hope to start a long-lasting business relationship in which both parts can thrive through collaboration and resource optimization. Let us go together for the best results!



Jose Manuel Hernández Cano
CEO Hefe Fertilizer

A handwritten signature in black ink, likely belonging to Jose Manuel Hernández Cano, CEO of Hefe Fertilizer. The signature is stylized and cursive.

HEFE FERTILIZER, A GLOBAL COMPANY

Internationalization has always been one of the main characteristics of the group. We are already present in more than 30 countries around the globe and currently export more than 50 registered formulas, which is the result of our vocation for continuity. We find in the internationalization thrilling opportunities for improvement and growth.





OUR MISSION

Our mission at HEFE FERTILIZER is to support the agricultural sector with modern and sustainable agriculture by providing innovative solutions for plant protection and nutrition. All our solutions are focused on improving the quality of crops while respecting the environment and the needs of producers and consumers.

For this reason, we are confident that HEFE FERTILIZER has the capacity to become a leading company in the sector of high-value agricultural crops, providing effective solutions in nutrition and biological control, while being recognized for our commitment to the customer, society and the environment.

OUR VALUES

Everyone at HEFE Fertilizer, from management to production, product development, logistics or any department share these common values:

INTEGRITY

Our growth is based on the reliability, transparency and honesty with which we respond to the needs of our customers, using the best raw materials and innovating year after year.

CUSTOMER ORIENTATION

Our customers' results are also our own. Each and every one of us works under this philosophy. We put great care in listening to what farmers really need and manufacture products especially for them.

TECHNOLOGY REINVESTMENT

We are committed to research and development, which is why we devote many resources and means to ensure that the company is at the forefront of the sector.

SUSTAINABILITY

Respect for the environment is present in everything we do, from production processes to the content of our products.

QUALITY

Excellence in our products is part of our DNA. This allows us to achieve great levels of success wherever we go.

CORPORATE STATEMENT



QUALITY & CERTIFICATIONS

Quality is one of our major pillars. This is why we have introduced an integral quality assurance system that extends to every stage of our manufacturing process. We take food and agriculture very seriously, and therefore do our best to deliver only high-quality products.

Having in mind this philosophy of caring for the environment, we always work according to strict environmental standards and occupational safety and health parameters. This way, we can rest assured that our products, marketing and experiments are contributing to an agriculture that is responsible with the environment and its ecosystems.

We take part in different working groups and associations in the field of organic agriculture and plant nutrition, as well as different public institutions and universities, with which we collaborate to guarantee the highest quality of our products and constant innovation in our R&D department.

Our products are certified in accordance with the standards for organic agriculture of different markets, among others: Europe, USA, Latin America and Japan.



ZERO WASTE

We live in a demanding and competitive world, in which large distribution chains and consumer associations, aware of the need to procure products that guarantee that they are suitable for feeding their families, have promoted reforms in the legislation of many countries to ensure that there is adequate safety in the food chain. This implies that farmers have to adapt by minimizing residues in their production.

At HEFE Fertilizer, we support zero waste philosophy and develop our products accordingly to provide:

- Access to the most demanding supply chains
- Professional and personalized technical advice
- Microbiological protection against pests and diseases





BIOSTIMULANTS

Many of these products, which are based on natural raw materials, are assimilated very quickly by the plant. Thanks to this feature, nutrients and other growth factors impact directly the plant's overall health.

At HEFE Fertilizer, we have developed balanced biostimulation formulas to provide the plant with the nutrients it needs, bringing it to its fullest expression. There are several types of biostimulants:

- **Growth:** these biostimulants support the development of the plant from the beginning, making it more resistant to any adverse situation.
- **Flowering:** these biostimulants increase the production of the plant during its flowering stage.



NAUTA

Product Redox | Sugar Reduction



Solid biostimulant developed to boost all kinds of crops. It allows an ideal development and steady growth as well as the capacity to recover from stress.

- Stimulates physiological functions and improves yield
- Helps to overcome stress caused by adverse situations (drought, temperatures, etc.)
- Improves maturation and delays the aging of leaves, hereby improving photosynthesis

Composition: Total nitrogen (N) 8.5%, Total water-soluble phosphorus (P2O5) 3%, Total water-soluble potassium (K2O) 4.8%, alginic acid 5% and Mannitol 1%, derived from Free aminoacids 50% and Seaweed extract *Ascophyllum nodosum* 50%.

MAXIGRAIN 15%



The ideal biostimulant to be used at any vegetative stage. It favors the physiological processes of plants. With zinc and manganese.

- Strengthens the fertilization processes, favors fruit set, and improves attributes such as yield, sugar content, color and firmness.
- Strengthens the root system of the plant to protect them from the effects of environmental and biotic stress. It reduces the effects caused by temperature variations and soil pathogens
- Reduces post-transplant dehydration and improves the establishment of plants

Composition: Manganese (Mn) 5%, Zinc (Zn) 5%, Microalgae 15%.



MAXIGRAPE



Specially designed for vine growing. It is a natural inducer of ripening whose effects are visible on coloration, uniformity and sugar concentration without containing any hormonal element. It has been designed specifically to counteract the delay in ripening.

- Increases fruit production, uniformity and coloring
- Favors fruit elongation
- Specially developed for vine growing

Composition: Manganese (Mn) 5%, Zinc (Zn) 5%, Free amino acids 3%, Microalgae 20%.

HEFE BETA

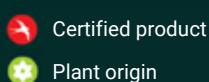
Product Redox | Sugar Reduction



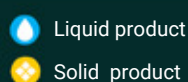
It is a water-soluble solid that equilibrates the plant's general water balance. Its amino acids of vegetal origin guarantee a faster response of the plant to any kind of stress: lack of water, extreme temperatures, irradiation, luminous excess and salinity.

- It acts as an osmoprotectant balancing water exchange between plant and environment
- Improves fruit set and maturation
- Reduces the incidence of physiopathies derived from stress, such as curled fruit, poor quality or malformations in fruits
- Increases yield

Composition: Free amino acids (glycine) 73%, Total nitrogen (N) 18%, Organic nitrogen 12%, Ureic nitrogen 6%

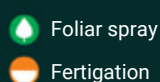


Certified product



Liquid product

Solid product



Foliar spray

Fertigation



HEFE CITRUS



Biostimulant of natural origin that mitigates the effects of abiotic stress. The joint action of its components enhances grain formation and promotes the synthesis of proteins.

- Increases volume and quality of crops
- Allows optimal growth and development to obtain high yields
- Provides optimal nutritional balance to enhance resistance to stress

Composition: Seaweed extract *Ascophyllum nodosum* 15%, Mannitol 0.52%, Alginic acid 2.77%, Zinc (Zn) 1.5%, Manganese (Mn) 1.3%, Iron (Fe) 0.6%

HEFE HIDRO



Biostimulant enriched with various nutrients. HEFE Hidro is used to enhance growth and crop development as well as to boost specific vegetative stages.

- Generates a rise in production as it increases the physiological and enzymatic activity of the crops
- Exerts positive effects on the improvement of fruit set and development

Composition: Seaweed extract *Ascophyllum nodosum* 15%, Mannitol 0.52% Alginic acid 2.77%, Zinc (Zn) 0.6%, Manganese (Mn) 2.3%, Copper (Cu) 0.25%, Molybdenum (Mo) 0.1% , Boron (Bo) 0.2%.



Product Redox | Sugar Reduction

GAMA HEFEAMINO



HEFEAMINO 12 and **HEFEAMINO PLUS** are organic fertilizers with high free amino acids of vegetal origin obtained from enzymatic hydrolysis.

HEFEAMINO WP is a unique fertilizer that contains plant amino acids in form of soluble powder. It also improves soil structure and nitrogen assimilation.

HEFEAMINO BCa is a soluble liquid recommended to prevent calcium and boron deficiencies. It provides a nutritional balance and works as a biological activator. It efficiently improves Ca and B uptake.



- Anti-stress effects in adverse weather situations
- Invigorating and stimulating effect in key crop stages
- Improves flowering and fruit set processes
- Synergistic effect: improves microelement uptake

Composition:

HEFEAMINO 12: Free amino acids 12%, Nitrogen 2.66% Total water soluble potassium (K₂O) 4.44%, Organic matter 30%

HEFEAMINO PLUS: Free amino acids 24%, Nitrogen 3.73%, total water-soluble potassium (K₂O) 3.33%, Organic Matter 30%

HEFEAMINO WP: Free amino acids 50%, Total nitrogen 9%, Sulfur 26%

HEFEAMINO BCa: Amino acids 7%, Calcium (Ca) 11%, Boron 0.5%



Certified product



Liquid product



Foliar spray



Plant origin



Solid product



Fertigation



HEFE COMPLEX



Liquid biostimulant with a high content of amino acids and enriched with chelated microelements, except for boron and molybdenum. It is used to correct deficiencies and avoid a consequent decrease in soil fertility.

- Helps overcome soil deficiencies during cultivation
- Provides the plant with a high amount and wide range of nutrients and microelements

Composition: Free amino acids 8%, Nitrogen 2.5%, Phosphorus (P2O5) 2.5%, Potassium (K2O) 3%, Boron (B) 0.6%, Copper (Cu) 0.003%, Zinc (Zn) 0.01, Iron (Fe) 0.1%, Manganese (Mn) 0.1%, Molybdenum (Mo) 0.1%

HEFE HORTO



Biostimulant specifically designed to supply crops with all the needed nutrients and chelated micronutrients.

- Prevents and corrects deficiencies and nutritional imbalances
- Stimulates plant physiological processes, boosting growth and yield
- Promotes root development, flowering, fruit set and fruit development

Composition: Seaweed extract "*Ascophyllum nodosum*" 15%, Mannitol 0.52%, Alginic acid 2.77%, Boron (B) 3% and Molybdenum 2%



HEFESTIM



Liquid formulation rich in amino acids and suitable for all types of crops to activate growth and increase yield, homogeneity and quality of the fruits. Recommended for fertigation, but it can also be applied via foliar spray.

- Stimulates physiological activity and root development
- Increases biological activity in the root environment
- Supports plants' metabolism during critical stages: budding, flowering, fruit set, ripening, etc.
- Promotes nutrient uptake

Composition: Free amino acids 4%, Nitrogen 6%, Phosphorus (P2O5) 6%, Potassium (K2O) 6%

MASS TOMATE



Specially designed for tomato cultivation, but also suitable for any crop. Mass Tomate is a PK solution enriched with fast assimilation amino acids, which produce an intense vegetative reaction on the plant. It stimulates cultivation providing a favorable effect on yield and quality even under stress conditions and soil exhaustion.

- Promotes nutrient uptake
- Favors rooting, flowering, fruit set, ripening and overall plant development
- Induces flowering, fruit set and fruit development

Composition: Plant amino acids 2%, Phosphorus (P2O5) 6%, Potassium (K2O) 5%, Tomato extract.





HEFE ORGANIC WP



Biostimulant product with a balanced formula of vegetal origin amino acids, sulfuric and non-sulfuric acids, and molybdenum. Its exclusive formulation makes it the standard product for high plant nutrition.

- Greater uniformity and quality of the fruit
- Increases the resistance of the plant
- Improves soil structure and boosts the development of the roots

Composition: Free amino acids 19%, Vitamin traces and Molybdenum 20%.

HEFESUM



Biostimulant with a high concentration of algae (*Ascophyllum nodosum*). This product is suitable for any vegetative stage and induces plant stimulation, fruit set and growth.

- Optimal nutritional balance
- Improves organoleptic qualities
- Enhances plant resistance to abiotic stress, such as drought

Composition: Seaweed extract *Ascophyllum nodosum* 24%, Alginic acid 4.62%, Mannitol 0.86%, Water-soluble manganese (Mn) 1%, Water-soluble molybdenum (Mo) 0.003%



HEFESUM COLD PRESS



Liquid *Ascophyllum nodosum* seaweed extract. It acts as a **biostimulant**, **anti-stress** agent and **soil conditioner**, optimizing plant growth and development.

The product is obtained by means of a cold extraction method without using any solvents nor high temperatures. This ensures that all nutrients are completely preserved.

Contains all essential nutrients for healthy plant growth, such as **trace elements**, **minerals** and **phytohormones**.

- Increases growth, yield and resistance to stress

Composition: Alginic acid 13.5% and Mannitol 8% derived from seaweed extract *Ascophyllum nodosum* 100%

BACCO PLUS



Bacco plus does not contain chlorine nor sulfuric acid. It provides a high amount of amino acids. These amino acids intervene in several metabolic processes and increase photosynthetic activity and chlorophyll content.

- Increases yield and size of crops
- Increases photosynthetic activity
- Does not contain chlorine nor sulfuric acid

Composition: Total amino acids 80%



THE BEST FORMULAS FOR **ALL YOUR** CROPS





SUPERBIOSTIMULANTS

Plant hormones or phytohormones are substances that are naturally present in a very low concentration and regulate the physiological processes of plants. They are able to act on areas different from where they originate due to transportation through the vessels of the xylem and phloem.

These plant hormones control numerous events, such as growth, leaf fall, flowering, fruit set and germination. They are able to intervene in several processes.

In our commitment to respond to our customers' needs, we have included a new type of product in our catalog: super biostimulants. These products are destined to promote root development, boost flowering, induce fruit set and promote maturation processes.

From our technical advisory team at HEFE Fertilizer, we strongly recommend using these products in combination with other fertilizers. Super biostimulants are extremely effective and show visible results, but they cannot substitute a complete plant nutrition supplementation on their own. To obtain the expected yields, plants need to be in optimal ecological and nutritional conditions.



HEFESUM CUAJE

Product RAP[®] | Grow Activator Promoter



Product formulated to be quickly absorbed by the plant, contributing to its development with a large number of phytoalexins, polysaccharides, antioxidants, carbohydrates, etc. all of them are required crucially by plants for fruit setting. **With seaweed extract.**

- Allows optimal nutrient uptake
- Promotes root development and length
- Increases foliar mass, as well as yield, quality, precocity and homogeneity of the fruits

Composition: Nitrogen (N): 2.4%, Potassium (K₂O): 5%, Algae extract (*Ascophyllum Nodosum*): 5%, Mannitol: 0.18%, Total organic matter: 12.9%, Alginic acid: 0.93%

HEFE BRIX



Liquid fertilizer with potassium, organic matter and amino acids. Its formulation makes it an ideal fertilizer for fruit ripening and coloration.

- Increases brix or sugar content of fruits
- Improves quality, flavor, consistency and conservation.
- Increases visibly the color of fruits

Composition: Total nitrogen (N) 2%, Total water-soluble potassium (K₂O): 28%, Total organic matter: 13.9% (Total organic carbon 5.2%, Fulvic acids 4.9%), Free amino acids: 8%, Alginic acid 1.84%, Mannitol 0.35% derived from *Ascophyllum nodosum* algae extract: 10%



HEFESUM ROOT

Product RAP[®] | Grow Activator Promoter



It provides the plant with all the essential elements it needs during the flowering, fruit setting and elongation processes. These essential elements include: nutrients, biostimulants and plant growth inducers. It also activates the immune system, strengthening the plant against extreme aggressions. **With seaweed extract**

- Increases root mass and density
- It makes secondary roots long
- Immune system activator

Composition: Total nitrogen (N): 5%, Total water-soluble phosphorus (P₂O₅): 8%, Alginic acid: 0.56%, Mannitol: 0.11% derived from *Ascophyllum nodosum* algae extract: 3%

HEFESUM GRANDE

Product RAP[®] | Grow Activator Promoter



Growth regulator that acts as a plant promoter and contributes to the activation of the vegetative development of the shoots since it produces cell enlargement and multiplication. This product has been chelated by a natural process with phytoalexins, polysaccharides, antioxidants and carbohydrates.

- Provides all the essential elements required during flowering, fruit set and development
- Contains *Ascophyllum nodosum* algae extract that provides the plant with nutrients, vegetal biostimulants and growth inducers.

Composition: Phosphorus (P₂O₅): 3.4%, Total potassium (K₂O): 18%, Alginic acid: 2.5%, Mannitol: 0.85% derived from *Ascophyllum nodosum* algae extract: 17%



MAX GROW



Liquid NPK fertilizer with amino acids. It provides the plant everything it needs to get an excellent harvest. It also promotes plant development and soil regeneration. Its biostimulant feature favors also future crops by not generating any waste.

- Hormonal and balancing action
- Aids in water stress conditions
- Nutritional effect that promotes the formation of proteins and carbohydrates

Composition: Total Nitrogen (N): 2%, Total phosphorus (P2O5): 2%, Total potassium (K2O): 2%, Total organic matter: 15%

MAX FLORA

Product RAP[®] I Grow Activator Promoter



NPK product enriched with molybdenum, which acts on many physiological processes of plants, such as the beginning of the vegetative stage, flowering and fruit set. Additionally, it allows for proper root formation and ensures the setting of flowers even in difficult situations.

- Improves vegetative development
- Maximizes fruit set and elongation
- Especially indicated for intensive crop farming

Composition: Total Nitrogen (N): 2%, Total phosphorus (P2O5): 10%, Total potassium (K2O): 2%, Total organic matter: 12%, Molybdenum (Mo): 0.5%



MAX MELON

Product RAP[®] I Grow Activator Promoter



This product promotes fruit set, stimulates fruit elongation and prevents hollow fruits. It can also stimulate root formation when these are damaged. Specially designed to increase and homogenize melons and watermelons, but it can be used on any crop type.

- Induces fruit set and elongation
- Increases root length

Composition: Total Nitrogen (N): 2%, Total phosphorus (P2O5): 6%, Total potassium (K2O): 2%, Organic Matter: 15%

HEFE NATURA



Product of physiological action. It exerts a positive effect on the plant to induce fruit set. Specifically designed to increase and homogenize fruit size in tomatoes.

- Induces fruit set and enlargement of tomatoes
- Increases root length

Composition: Total Nitrogen (N): 2%, Total phosphorus (P2O5): 6%, Total potassium (K2O): 2%





APP

Product RAP[®] | Grow Activator Promoter



Liquid formulation enriched with nitrogen, potassium and specific amino acids that acts on plant metabolic processes that promote growth, cell multiplication and color intensification on fruits. It is a amino acid chelated biostimulant, specially suited for apples and pears.

- Promotes fruition on apple trees
- Increases fruit size
- Intensifies fruit color

Composition: Total Nitrogen (N): 4%, Total water-soluble potassium (K2O): 2.5%

CUAJE FRUIT

Product RAP[®] | Grow Activator Promoter



Fertilization and fruit set booster. It prevents the appearance of hollow fruits and induces fruit set on different horticultural crops and fruit trees. It is also used to overcome critical states during growth, as well as a stimulant to increase the plant's resistance to unfavorable conditions (frost, phytotoxicities, etc.)

Composition: Total water-soluble phosphorus (P2O5): 39%, Total water-soluble potassium (K2O): 26%, Water-soluble boron (B): 1.25%, Water-soluble Molybdenum (Mo): 3.2%



RIBON

Product RAP[®] | Grow Activator Promoter



Specially designed to act as a dormancy switch for plants. It reduces the disparities in budding and flowering of the plant and also between plants promoting the plant's enzymatic activity.

- Promotes cell division
- Stimulates shoot proliferation
- Inhibits root formation and aging
- Activates gene expression and general metabolic activity

Composition: Total nitrogen (N) 1.41%, Total phosphorus (P2O5): 5%, Total potassium (K2O): 1.39%, Calcium (CaO): 0.2%, Magnesium Oxide (MgO): 0.46%

TWISTER 800

Product RAP[®] | Grow Activator Promoter



Product based on natural seaweed that improves rooting and grip of the plant. It also combats saline stress and stimulates the plant's productive capacity.

- Stimulates growth, flowering, maturation and fruit set
- Quick absorption by the plant producing an immediate effect

Composition: Algae extract: 30%, Free amino acids: 0.6%, Cytokines: 0.08%





NATUR HEFE



Potent biostimulant that promotes metabolic processes of vegetables directly after its application. It improves nutrient uptake and translocation throughout the different development stages of the plant. It also has a powerful rooting effect.

It comes in a wettable powder format, totally soluble, what makes it perfectly applicable to any crop.

- Metabolic efficiency: aids in increasing quality and yield
- Anti-stress effect
- Rooting effect

Composition: Total nitrogen (N): 9.4%, Plant amino acids: 60%

GYMSUM



GYMSUM is a special formulation designed to enhance crop performance and maximize yields. Particularly suited for horticulture. Enriched with Ascophyllum nodosum algae extracts.

- Faster flowering and fruition
- Increased produce
- Improved brix
- Increased fruit size and uniformity
- Enhanced resistance to diseases



SEEDS-GROW



SEEDS-GROW is a biostimulant product designed improve senescence and development of seeds. Especially suited for cereals, corn, oilseeds, etc. Enriched with Ascophyllum nodosum algae extracts.

- Early germination of seeds
- Increased seed emergence
- Enhanced plant growth
- Compatible with other agrochemicals & fertilizers.



SUNGROW



SUNGROW is a biostimulant product designed specifically for cereal, corn and oilseed crops. It activates the genes that intervene in the most important processes of development and yield stages. Furthermore, it enhances the plant's immunological system and their resistance to stress. Enriched with Ascophyllum nodosum algae extracts.

- Maximizes yield
- Earlier flowering and fruition
- Heavier grains
- More protein content in grains
- Enhanced resistance to diseases, drought, salinity and chemicals



SOIL CONDITIONER



Soil is one of the most important natural resources. Good soil structure is extremely necessary to keep its fertility so that food production keeps up with the current demographic evolution. Soil composition usually consists of mineral matter (45%), which contains small rock fragments and minerals; organic matter (5%) which results from the accumulation of plant or animal remains and waste; water (25%), essential to provide the plants with all the nutrients contained in it, and air (25%), located in the pores separated by solids with humidity higher than that of the atmosphere.

All this provides the necessary amount of nutrients to the crops naturally, but there are several factors that affect the characteristics of soils, such as salinity or degradation, may it be physical, biological or chemical, just to name the most common ones.

At HEFE Fertilizer we understand the specific needs of every farmer. This has led us to develop an enormous range of products (both organic and conventional) to address the particularities of every crop. Our catalog provides solutions for many sectors ranging from berries, horticulture, tubers, olive groves, vineyards, row crops, cotton, industrial, sugar beet, fruit groves, subtropicals, rice, winter cereals, etc.

Product Root SyS¹ Rooting System Intel

GAMA HEFE HUMUS



These products contribute to the improvement of the physical, chemical and biological properties of the soil, causing an increase in the content and distribution of sugar in plants and thereby increasing the quality of the fruits and flowers as well as their resistance to wilting. These products rise the nitrogen binding capacity of the soil.

- Better nutrient uptake
- Root growth stimulation
- Better soil structure and enhanced water retention capacity
- Complements and improves the use of fertilizers (N, P, K and microelements).

Composition: HEFE HUMUS 15%: Total humic extract 15% HEFE HUMUS 26%: Total humic extract 26%

HEFESAL



HEFESAL is a liquid corrector of Calcium (Ca) and saline soils. It aids in restructuring the soil, increasing fertility and washing undesired salts.

- Reduces the percentage of salts in soil water
- Decreases the osmotic pressure
- Acts as a corrector of Calcium (Ca) deficiencies in all types of crops: fruits, tomatoes, bell peppers, lettuces, etc.

Composition: Water-soluble calcium (CaO) 15%, Free amino acids 2%, Polycarboxylic acid 20%



Product Root SyS¹ Rooting System Intel

QUALITY ACID



QUALITY ACID is composed of organic matter that also contains microelements, nitrogen (N), phosphorus (P), potassium (K) and fulvic acids.

- Favors nutrient release and biological activity in soil
- Promotes root development
- Increases nutritional and mineral reserves in soil

Composition: Total organic matter: 70%, Total nitrogen (N): 3%, Total phosphorus (P2O5): 3.3%, Total water soluble potassium (K2O): 4%, Water-soluble magnesium (Mg): 2.6%, Water-soluble calcium (CaO): 0.9%, Total humic extract: 55.10% (Fulvic acids: 52.3%, Humic acids: 2.8%)

GAMA HEFE pH



HEFE pH is a liquid formulation that serves both as plant nutrition and pH regulator. It modifies soil pH for cultivation and increases fertility for better crop performance.

Composition: Citric acid: 20.9%, Total water-soluble potassium (K2O): 3.2%

HEFE pH PLUS is a special liquid formulation that serves both as plant nutrition and pH regulator. It modifies soil pH for cultivation in a precise and effective manner, while it also increases fertility for better crop performance.

Composition: Total nitrogen (N): 10%, Total water-soluble phosphorus (P2O5): 15%, Water-soluble sulfuric acid (H2SO4): 30%



Certified product
Plant origin



Liquid product
Solid product



Foliar spray
Fertigation



HUMIXTRACT

Product Root SyS[®] | Rooting System Intel



humiXtract improves the physio-chemical and biological characteristics of the soil for the formation of tubers, fruit set and lignification of the buds.

- Optimizes energetic processes related to respiration and synthesis of nucleic acids
- Increases soil's nitrogen fixing capacity
- Promotes the assimilation of soil nutrients and stimulates root growth

Composition: Total humic extract: 70% (Total humic acid: 7%, Total fulvic acid: 63%) Total potassium: 10%

HUMIXTRACT TE

Product Root SyS[®] | Rooting System Intel



humiXtract TE is a concentrated 100% water-soluble substance that stimulates plant growth. As a soil conditioner it can be applied to agricultural and horticultural plants, fruit trees, ornamentals, lawns, pastures via fertigation or foliar spray. It provides a very high content of humic and fulvic acids, as well as active trace elements.

- Stimulates plant enzymes
- Stimulates beneficial microorganisms that promote root development
- Increases the permeability of cell membranes in roots and enhances nutrient uptake

Composition: Total humic extract: 53%, Total potassium (K₂O): 10%, Total calcium (CaO): 5%, Zinc: 5%



Product Root SyS[®] | Rooting System Intel

HUMIXTRACT AMINOPLUS



humiXtract AMINOPLUS supports and protects the plant during climatic and biotic stress periods. It is a growth stimulant and soil conditioner, especially suited for sandy and clayey soils. It can be applied for horticultural and ornamental plants, fruit trees, lawns and turfs, via fertigation or foliar spray application.

- Stimulates plant growth increasing the production of biomass
- Improves soil structure and increases its water-retention capacity
- Acts as a natural chelator for microelements in alkaline soils
- Reduces the stress caused by drought periods or plant protection treatments

Composition: Total humic extract: 61%, Humic acid: 33%, Fulvic acid: 28%, Organic matter: 28%, Calcium oxide: 1%, Total potassium (K₂O): 10%, Free amino acids: 10%

HUMIXTRACT 500

Product Root SyS[®] | Rooting System Intel



Highly concentrated organomineral fertilizer with a great content of humic extract, NPK and micronutrients. Its formula revitalizes soils due to a rapid prosperation of the microflora.

- Forms stable complexes that provide a good airing, augments absorption-capacity and water-circulation
- Accelerates germination and root-development

Composition: Total nitrogen: 2.4%, Organic nitrogen: 2.4%, Water-soluble phosphorus (P₂O₅): 1.6%, Water-soluble potassium (K₂O): 3.2%, Organic matter: 44.9%, Organic carbon: 11.2%, Total humic extract: 37.9%, Fulvic acids: 34.9%, Humic acids: 3%, Water-soluble calcium (CaO): 0.5%, Water-soluble magnesium (MgO): 1.3%





DEFICIENCY CORRECTORS

Agricultural processes require optimal soil conditions and care. Soils need to be well nourished and be treated appropriately. A well treated soil provides abundant yields.

Supply your soil with the nutrients it needs and, in turn, it will produce high-quality yields without production losses.

The lack of certain elements, or when these are blocked, is known as deficiency. For instance, if a soil is lacking zinc, it is said to have a zinc deficiency. This is one of the most widespread problems of crops. Microelements, which are usually added to the soil through these deficiency correctors, come usually with complexes and/or chelates that facilitate their absorption and prevent them from blocking.

As in the rest of our catalog, at HEFE Fertilizer we have worked hard to ensure top-quality correctors at competitive prices. This is because we have always been committed to farmers as our main partners in our growth and internationalization project. We achieved this by investing in modern technology that allowed us to improve our processes and reduce our manufacturing costs. Thus, we got closer to the needs of customers who base an important part of their purchasing decision on price while not compromising quality.

In our catalog you can find EDTA chelates (iron, calcium, manganese, magnesium, copper and zinc), EDDHA chelates (iron), and deficiencies correctors (boron and molybdenum). In addition to those, you can find amino acid complexes and polycarboxylic acids.



HEFE MIX

Product TeAi* | Trace elements Activator Intel



HEFE MIX is suited for organic farming. Specially designed to be applied on all types of crops to prevent and correct multiple trace element deficiencies.

- Provides microelements in the appropriate concentrations ensuring that they do not interact on their own and remain available to be absorbed.

Composition: Manganese EDTA: 4%, Zinc EDTA: 0.6%, Copper EDTA: 0.4%, Iron EDTA: 6%, Iron EDDHA: 0.5%, Boron: 0.5%, Molybdenum: 0.3%

HEFE EDDHA



HEFE EDDHA is an iron (Fe) deficiency corrector for soils. Iron is chelated with EEDHA of ortho-ortho isomers, remaining stable and available to be absorbed by the plant.

- Corrects iron deficiencies
- Prevents ferric chlorosis (yellowing of plant leaves)

Composition: Water-soluble iron: 6%, Chelated iron (ortho-ortho): 4.8%



HEFE Fe EDTA

Product FeAi* | Fe Activator Intel



HEFE EDTA is a fast-acting product that has a visible effect in short time. It is used to prevent and correct iron deficiencies due to an unbalanced iron uptake.

- Corrects iron deficiencies
- Prevents ferric chlorosis (yellowing of plant leaves)

Composition: Water-soluble iron: 13%

MOBO PLUS



Special boron and molybdenum-based product in high concentration, enriched with phosphorus to allow a rapid assimilation, suited bot for fertigation or for use as foliar spray.

- Stimulates and increases the resistance of plants to adverse conditions
- Promotes protein synthesis
- Stimulates physiological functions: budding, flowering, pollination, fruit set and fruit elongation

Composition: Water-soluble boron (B): 8%, Water-soluble molybdenum (Mo): 10%, Total water-soluble phosphorus (P2O5): 9.5%





HEFE ZN EDTA



HEFE Zn EDTA is a fast-acting zinc (Zn) deficiency corrector that has a noticeable effect in short time. It is used to prevent and correct deficiencies due to an unbalanced zinc assimilation.

- Corrects zinc deficiencies
- Prevents reduction of leaf size and plant growth
- Prevents interveinal chlorosis (mosaic appearance)

Composition: Water-soluble zinc EDTA: 14%

HEFE MN EDTA



HEFE Mn EDTA is a fast-acting manganese (Mn) deficiency corrector that has a noticeable effect in short time. It is used to prevent and correct deficiencies due to an unbalanced manganese assimilation.

- Corrects manganese deficiencies
- Prevents the appearance of green auras around the veins
- In acute deficiencies it prevents the veins from yellowing

Composition: Water-soluble manganese EDTA: 13%



HEFE CU EDTA

Product CuAi* | Cu Activator Intel



HEFE Cu EDTA is a fast-acting copper (Cu) deficiency corrector that has a noticeable effect in short time. It is used to prevent and correct deficiencies due to an unbalanced copper assimilation.

- Corrects copper deficiencies
- Prevents pale whitish or pale yellowish discoloration of the leaf tips, lack of turgor and even necrosis in young leaves
- Prevents the tips of old leaves from drying out

Composition: Water-soluble copper EDTA: 14.5%

CAL-INN

Product CaAi* | Calcium Activator Intel



Cal-Inn is a deficiency corrector suitable for any kind of crop. It provides calcium (Ca) in addition to essential micronutrients such as manganese, zinc, iron, copper, boron and molybdenum. It promotes, strengthens and improves cellular structure, voiding the invasion of pathogens.

- Participates in the regulation of stomas
- Positively affects the quality of the fruit
- Aids in protecting the plant from thermal stress and diseases

Composition: Calcium (Ca): 36.12%, Copper (Cu): 0.1%, Iron (Fe): 0.3%, Manganese (Mn): 0.1%, Zinc (Zn): 0.1%, Boron (B): 0.2%, Molybdenum (Mo): 0.001%





HONEY CU Product Redox | Sugar Reduction



Organic copper deficiency corrector. To be used in cases of lack or induced deficiency of this microelement. It provides necessary nutrients and is absorbed by active metabolic processes.

- Fungicide booster
- Provides essential nutrients to the soil

Composition: Water-soluble copper peptidate (Cu) 5%

HEFE MIX-10 AMINO



Solid formulation based on amino acid-chelated trace elements. It provides a great variety of microelements together with an extra supply of amino acids, which makes a very powerful fertilizer.

- Contains all necessary plant nutrients
- Easily assimilated by plants
- Increases root development and yield

Composition: Water-soluble calcium (Ca): 10%, Water-soluble iron (Fe): 10%, Water-soluble zinc (Zn): 10%, Water-soluble copper (Cu): 10%, Water-soluble manganese (Mn): 10%, Water-soluble potassium (K₂O): 10%, Water-soluble boron (B): 6%, Water-soluble magnesium (Mg): 6%, Plant amino acids: 28%



HEFE CU FLOW 75



Fast-acting copper deficiency corrector. It is applied as a foliar spray, which achieves a noticeable effect in short time due to a fast assimilation by the plant.

- Corrects copper deficiencies
- Visible effects shortly after application

Composition: Water-soluble copper (Cu): 20%, Water-soluble sulfur oxide (SO₃): 26% (copper sulphate CuSO₄): 75%

HEFE ORGANOCAL



Organic calcium (Ca) and magnesium (Mg) deficiency corrector.

- Double deficiency correction: Ca and Mg
- Aids in the generation of chlorophyll
- Supports the plant's metabolism

Composition: Water-soluble calcium (CaO): 6%, Water-soluble magnesium (Mg): 0.5%





HEFEZIM PLUS



Designed to prevent and correct manganese (Mn) and zinc (Zn) imbalances, which are essential microelements for plants' biological processes.

- Double deficiency correction: Mn and Zn
- Aids in the synthesis of nucleic acids and proteins

Composition: Water-soluble manganese (Mn): 5%, Water-soluble zinc (Zn): 7%

PALTA PLUS



Zinc deficiency corrector. It is an ideal solution to treat the symptoms of deficiencies in alkaline and acid soils. Indispensable for the formation of natural auxins.

- Prevents and corrects zinc deficiencies
- Acts on alkaline and acid soils

Composition: Water-soluble zinc (Zn): 10%, Water-soluble boron (B): 1%, Free amino acids: 2%



KALMAG



Calcium (Ca) and magnesium (Mg) deficiency corrector. These are essential elements for the normal development of the plant, roots and shoots.

- Double deficiency correction: Ca and Mg
- Aids in the formation of chlorophyll
- Supports the plant's metabolism

Composition: Total nitrogen (N): 12%, Ammonium nitrogen: 9.08%, Ureic nitrogen: 2.92%, Total water-soluble potassium (K₂O): 2%, Magnesium (Mg): 4%, Calcium (CaO): 10%.

WEY

Product TeAi* | Trace elements Activator Intel



Specific formulation to prevent or correct multiple trace element deficiencies. It can be applied at any growing stage.

- Provides adequate amounts of micronutrients
- Suitable for any crop type

Composition: Magnesium oxide (MgO): 4%, Iron (Fe): 4.5%, Zinc (Zn): 1.5%, Manganese (Mn): 3%, Copper (Cu): 1.5%, Boron (B): 0.6%





TRUST THE
EXPERIENCE OF A
**GREAT
COMPANY**





ORGANIC PLANT CARE

As a response to people's demands for healthy and safe food, new methods of organic farming and food processing have emerged.

In this context, preventive strategies have absolute priority in organic farming systems. It is not only important to combat parasites in an environmentally friendly manner, but also to even prevent their appearance.

When plants are being attacked by parasites, the farmer should look for what is impeding the plant to grow in its ecosystem.

At HEFE Fertilizer we have developed a range of products to help farmers prevent and combat parasites in harmony with the environment.

The advantages of these products are:

- They effectively combat and prevent the action of harmful agents
- They promote plant production complementing the action of nutrients and soil amendments
- They preserve plant products (fruits, vegetables, timber, etc.)
- Destroy and/or prevent the growth of undesired vegetables



BUXFERRO



BUXFERRO is a very effective foliar contact fungicide against *oidium*, the genus causing powdery mildew. It is suitable for organic farming.

- Remains on the leaves surface and does not penetrate the tissues
- Provides a long-lasting protection
- Prevents the plant from being attacked by fungi

Composition: Field horsetail (*Equisetum arvense*), red thyme

HEFE PLUS



HEFE PLUS is a very effective product against aphids, the most common vector of plant viruses. It is suitable for organic farming.

- High efficacy with natural ingredients
- Protects the plant from the attack of insects
- Prevents insect-vectored virus infections

Composition: natural plant extracts



HEFE CHRYS



HEFE CHRYS is a very effective product against chewing and sucking insects. It is suitable for organic farming.

- High efficacy with natural ingredients
- Protects the plant from the attack of insects

Composition: natural pyrethrins



NUTRI GOLD



Nutri Gold is a natural product that acts as a natural repellent and as a fertilizer enriched with calcium (Ca) and magnesium (Mg). It is used to prevent the attack of insects and correct problems associated to Ca and Mg deficiencies.

- Protects the plants from insects
- Corrects Ca and Mg deficiencies

Composition: Water-soluble Calcium (Ca): 1.5%, Water-soluble magnesium (Mg): 0.5%, garlic



Certified product



Liquid product



Foliar spray



Plant origin



Solid product



Fertigation



NUTRI SILVER



Nutri Silver is a natural product that acts as a natural repellent and as a fertilizer enriched with manganese (Mn) and zinc (Zn). It is used to prevent the attack of insects and correct problems associated to Mg or Zn deficiencies.

- Protects the plants from insects
- Corrects Mn and Zn deficiencies

Composition: zinc (Zn): 1.5%, Manganese (Mn): 0.5%, chili pepper

GAMA UMBRELLA



UMBRELLA OM is a completely natural and biodegradable product. Thanks to its composition and high specific surface area it has a powerful absorbing capacity. These qualities allow UMBRELLA OM to control excess moisture on crops and eliminate favorable conditions for many diseases such as those caused by fungi. It is capable of absorbing 5 times its weight in water.

UMBRELLA OB is a product formulated with a mixture of sulfur and drying products to avoid water fluctuations on the plant surface. The effect of sulfur is enhanced by the drying action of the rest of ingredients. It is capable of absorbing 3 times its weight in water, thus controlling humidity excesses in crops. Prevents fungal diseases.

UMBRELLA QUICKSOLVE forms a thin layer of particles that protects leaves and fruits by regulating transpiration. It acts as a thermal insulator and reflects infrared, UVB and UVC radiation.

- Removes moisture from leaves and fruits
- Increases efficiency of photosynthesis and carbohydrate synthesis





MICROBIOLOGICAL CARE

Like people, plants need to feed, and it is always better and healthier to do it on 100% natural products. Besides, plants also suffer from stress, for instance when moved, transplanted, badly trimmed or when salinity is too high.

At HEFE Fertilizer, we have developed a whole line of microbiological products to nourish, strengthen and protect your plants.

Our products, based on beneficial MICROORGANISMS, adapt in just 48 hours and show visible results in less than 7 days. This way we can solve any situation right away. We have developed balanced formulations to provide the plant with the nutrients it needs to optimize the quantity and quality of the yield at all stages:

- **Vegetative:** stimulates the plant from the beginning to make it more resistant and enhance its radicular system.
- **Flowering:** stimulates the plant to increase the number of buds, which results in more produce.
- **Fruit set:** stimulates all systems to increase the number of successfully developed fruits, avoiding aborted fruits.
- **Maturation:** stimulates and boosts all plant systems to accelerate its development stages and have access to the market earlier, when prices are highest.

Consumers and distributors are even more concerned about healthy habits, healthy nutrition and respect for the environment. This is why there is an increasing preference for this kind of product and even regulatory frameworks. Agriculture as well needs to adapt to these trends and provide healthy and environmentally-friendly products in order to gain access to the most demanding distribution chains.

We offer individualized professional and technical advice to protect crops against pests and diseases.



AZONIC

Achromobacter veterisilvae



AZONIC is a microbiological product that provides a constant supply of assimilable nitrogen to the plant. Also, thanks to the enzyme nitrogenase, they are able to break other bonds such as acetylene and transform it into ethylene, achieving a better development of the crop in the fruiting phase. Additional advantages are:

- Improves soil pH
- Increases yield
- Produce enzymes involved in stress inhibition

PHOSPHORIZER

Bacillus velezensis



is a bacterial solution that makes phosphorus in soil bioavailable by solubilizing tricalcium phosphate.

- Makes Phosphorus (P) and, to a lesser extent, also Calcium (Ca) available by utilizing the soil's phosphate reserves.
- Reduces pH and prevents Ca, Al and Fe from becoming insoluble
- Improves soil structure and nutrient assimilation
- Releases >90% of soil P₂O₅ and reduces the use of chemicals



JUNGLE

Klebsiella sp



Root development inducer based on fast-growing microorganisms, which create a positive interaction on the most active root hairs. It has proven to be the most effective microbiological agent on the market. Suited for any kind of crop, soccer fields, golf courses, etc.

- Stimulates root development
- Improves soil structure
- Augments soil's water-retention capacity

RESTOSAL

Agrobacterium sp



RESTOSAL is a bacterial solution that makes calcium in soil bioavailable and promotes growth in saline soils.

- Makes calcium (Ca) and, to a lesser extent, also phosphorus (P) available
- Has an anti-stress, rooting and stimulating effect
- Reduces pH and prevents Ca, Al and Fe from becoming insoluble
- Improves soil structure and reduces salt content
- Releases >90% of soil P₂O₅ and reduces the use of chemicals





RICO

Azospirillum brasilense, Achromobacter veterisilvae & Bacillus velezensis



RICO is a microbiological fertilizer and antifungal. It is composed of microorganisms that provide a constant supply of **phosphorus (P)** and **nitrogen (N)** by solubilizing insoluble phosphorus complexes. They also produce **antibiotics against fungi**, release anti-stress enzymes and prevent premature ripening of the fruit.

- Enhanced resistance to pathogens
- Higher yields
- Consistent organic fertilization from the very beginning

BASYGEL

Beauveria Bassiana



BASYGEL is the most powerful entomopathogenic fungus. It controls a wide range of chewing and sucking insects in perfect harmony with the environment. It is effective against: Tuta absoluta, Agriotes spp, Planococcus citri, caterpillars, whitefly, red spider, ceratitis, psylla, etc. Even if the insect dies, the microorganisms remain dormant on the leaf.

- Environmentally friendly
- Effective against various pest species



BATRI

Bacillus glycinifermentans



Bioinsecticide based on the action of beneficial microorganisms. After application, the microorganisms in Batri produce enzymes, antibiotics and other substances that effectively fight thrips. The action of this bioinsecticide is completely environmentally friendly and even prevents the maturation of larvae.

- Environmentally friendly
- Effective against thrips even on adjacent plants
- Visible effects in just 48 hours

BIOPSE

Bacillus velezensis



BIOPSE is a natural fungicide from a specifically selected strain of microorganisms. It is very effective against pathogenic fungi like Fusarium Oxysporum and Phytophthora Capsici. Furthermore, BIOPSE makes iron (Fe) available to the plant and prevents new pathogenic attacks.

- Environmentally friendly
- Great antifungal and preventive capacity





CASIOS

Lactobacillus rhamnosus



It is a unique product that helps prevent and control the tomato brown rugose fruit virus (ToBRFV).

- Environmentally friendly
- Great antifungal and preventive capacity
- Fast association with the plant in 48 hours

BULKATOS

Bacillus brevis



BULKATOS microorganisms quickly settle on the leaf. Phytopathogens die when they come into contact with the product's microorganisms. Phytopathogenic fungi are eliminated by the exudation of antibiotics and enzymes that inhibit the development of their hyphae and even dry them out.

- Environmentally friendly
- Great antifungal and preventive capacity
- Strongly recommended to control Mildew on vineyards



TICO H

Trichoderma harzianum



TICO H is a plant strengthener that contains beneficial fungi *Trichoderma harzianum*. Ideal for mixing in compost or direct application in planting hole.

- Improves root development and yield
- Combats soil-borne diseases
- Effective during the complete cultivation
- Prevents Phytophthora

TICO V

Trichoderma viride



TICO V is a plant strengthener that contains beneficial fungi *Trichoderma viride*. Ideal for mixing in compost or direct application in planting hole.

- Enhances root development and yield
- Combats soil-borne diseases
- Effective during the complete cultivation
- Prevents Alternaria, Fusarium, Sclerotinia spp, Phytium spp.





LIQUID, CRYSTAL & GEL NPK

Discover here our wide range of liquid, gel and crystal NPK fertilizers. All our products, regardless of the format, are 100% soluble to guarantee a complete and fast assimilation by plants.

Available in different NPK proportions, our HEFE GEL formulations yield faster and better nutrient uptake even using less product compared to traditional fertilization. This provides a more effective response of the crops and leads to optimally nourished cultures. Our HEFE Gels have been tested thoroughly on both fertilization methods (foliar and irrigation, showing great performance in both cases.

The results of the latest tests confirm that gel formulation allows for faster and more effective nutrient uptake by plants. Nitrogen (N) fertilization is greater via foliar application, whereas irrigation would emphasize potassium (K). Further results of field studies revealed that HEFE GELS provided major plant development, as well as an increase in the formation of floral branches, fruit set and fruit homogeneity.

For those who prefer fertilizers in a solid format we have developed HEFEFOL. These fertilizer crystals are completely soluble, so that they can be used both on fertigation and as foliar sprays.

All our HEFEFOLs are manufactured using high-quality nutrients and can be enriched with chelated microelements, amino acids and seaweed extracts. They are one of our top-sellers, as they have proven to be very effective in increasing fruit quality, quantity and even bring forward harvest.

This section also covers our lines of phosphites, pH correctors and adjuvants. At HEFE Fertilizer we have everything you need to maximize your crop. If you don't find any product, let us know, we can most probably manufacture it for you.



GAMA K-50

K-50+EDTA is a highly concentrated liquid potassium solution. Easily assimilable by plants. Especially indicated to enhance the last stages of high fruit quality-requiring crops. Enhances magnesium (mg) uptake.

Composition: Total water-soluble potassium (K₂O): 50%, chelating agent EDTA: 3%

K-50+N+F is a highly concentrated liquid potassium solution with polycarboxylic acids (humic acids). Especially indicated to enhance the last stages of high fruit quality-requiring crops. It stimulates root development and allows a slow release of potassium.

Composition: Total water-soluble potassium (K₂O): 50%, Total nitrogen: 3%, complexed with fulvic acids

- Promote sugar and protein synthesis in fruits
- Improve fruit color, texture and flavor



HEFE XILATO K

HEFE XILATO K is a fertilizer with a high content of organic salt potassium carboxylate. This ensures better and faster assimilation of potassium, even in saline soils. When applied to the soil, it regulates and increases the osmotic pressure around the root, which helps the plant absorb water and nutrients, including external salts.

- Improves water uptake and fruit elongation
- Improves size, consistency and sugar content of fruits
- Reduces the effects of saline stress on plants, improving final fruit quality

Composition: Water-soluble potassium (K₂O): 20%



HEFE KSIL

HEFE KSIL is a potassium and silicon corrector that facilitates the absorption of nutrients by the plant, favoring root activity and strengthening the stem, thus stimulating growth and making plants more resistant to diseases. It also reduces humidity, which prevents the development of rot (*Botrytis cinerea*, *Sclerotinia* sp.), powdery mildew or downy mildew. In addition:

- Helps overcome metal toxicity
- Prevents compaction
- Increases resistance to high and low temperatures
- Helps overcome salt stress, water stress or heat stress

Composition: total water-soluble silicon (SiO): 22.85%, total water-soluble potassium (K₂O): 20%



POTASIO ROOT

POTASIO ROOT is a highly concentrated potassium solution. It is especially recommended to improve the last development stages of crops that require high-quality fruit. It also acts as a buffer by regulating pH.

- Modifies soil pH for better performance
- Increases fertility
- Favors sugar and protein synthesis in fruits
- Improves fruit color, consistency and taste

Composition: Total water-soluble potassium (K₂O): 20%





NITRO ROOT



High-nutrition biostimulant product with a balanced formula of plant origin amino acids as well as sulfuric and non-sulfuric amino acids and molybdenum (Mo).

- Hormonal and equilibrant action
- Anti-stress function: aids in water-stress conditions
- Activates and enhances plant protection treatments
- Nutritional effect that aids in the formation of proteins and carbohydrates

Composition: Total nitrogen (N): 2.86%, Total water-soluble potassium (K2O): 2%, Free plant origin amino acids: 2.18%

PHOSMAG



Phosphorus and magnesium fertilizer designed to provide the plant with an effective supply of useful phosphorus together with a magnesium supplement. FOSMAG can be used at any crop stage and is strongly recommended at stages of high magnesium demand.

- Phosphorus and magnesium corrector
- Nutritional effect that aids in the formation of proteins and carbohydrates

Composition: Total nitrogen (N): 2%, Total water-soluble phosphorus (P2O5): 44%, Total water-soluble magnesium (MgO): 4%, Free plant amino acids: 2%



Phosphites

Product	P2O5	K2O	CaO	Cu	MgO	Mn	Zn	Al
HEFOS K	30	20						
HEFOS K PLUS	30	40						
HEFOS Ca	25		12					
HEFOS Cu	30			5				
HEFOS Mg	30				6			
HEFOS Mn	30					5		
HEFOS Zn	30						7.2	
HEFOS Al	33.6							8



Certified product



Liquid product



Foliar spray



Plant origin



Solid product



Fertigation

GAMA HEFEGEL



Due to their special composition, HEFEGELS yield better results compared to conventional fertilizers, as they combine the benefits of solid and liquid fertilization in one product.

- HEFEGELS are ideal for flowers and ornamentals, as leaves need soft but effective products that control deficiencies while preventing leaf burns.
- HEFEGELS' formulas are highly concentrated and therefore more effective, requiring less applications.
- They can be used as a foliar spray to coat the surface of the leaf with a uniform layer of perfectly adhering nutrients.

HEFEGEL 20-20-20



It has a 1-1-1 proportion, designed to correct deficiencies of the most important nutritional elements and as a complement to the normal development of treated crops.

- Favors flowering, fruit set and ripening
- Suitable for any growth stage

NPK: 20-20-20



HEFEGEL 10-50-10



It has a 1-5-1 ratio, specially designed for crops, nurseries, grafts and early growth stages, pre-flowering and for varieties with high phosphorus requirements or for cultivation in wet soil with a high iron and calcium content.

NPK: 10-50-10

HEFEGEL 0-50-10



Solution with a high concentration of phosphorus. To be used as a complementary source of nutrients during the stages of greatest consumption (root development and flowering). Particularly suited for citrus, fruit trees and horticulture.

- Stimulates vegetative growth
- Strengthens plant self-defense mechanisms

NPK: 0-50-10





HEFEGEL 0-10-50



Liquid solution with a high concentration of easily assimilable potassium. Its formula is specially designed to boost the final development stages of crops that require high fruit quality, such as citrus, banana, grapevine, tropical fruits and vegetables.

- Promotes sugar and protein synthesis
- Improves fruit coloring, consistency and taste
- Promotes calcium (Ca) and magnesium (Mg) uptake

NPK: 0-10-50

HEFEGEL 10-10-50



It has a rich in potassium 1-1-5 proportion that is used to supplement basic fertilization during stages that require stimulation or an extra supply of potassium.

- Boosts the initial fruition stages
- Maintains flowering

NPK: 10-10-50



HEFEGEL 9-54-54 + TE



Liquid solution with a high concentration of easily assimilable phosphorus and potassium. Its formula is specially designed to boost the final development stages of crops that require high fruit quality, such as citrus, banana, grapevine, tropical fruits and vegetables. It is also an ideal product for potato and beetroot cultivation.

- Promotes sugar and protein synthesis
- Improves fruit coloring, consistency and taste
- Promotes calcium (Ca) and magnesium (Mg) uptake

NPK: 9-54-54



HEFEGEL 17-25-25



It has a rich 1-1.5-1.5 proportion that is used to correct deficiencies of the most important plant nutrition elements and to supplement basic fertilization during any vegetative or reproductive stage. It can be thus used at any growth stage.

- Improves flowering, fruit set and ripening
- Enhances root development

NPK: 17-25-25





HEFEFOL 20.20.20 + TE



HEFEFOL is a foliar NPK fertilizer enriched with chelated microelements.

- Formulated with top-quality raw materials
- Total water-solubility
- Perfect assimilation by plants
- Improves vigor, maturation, size and yield

This product is compatible with most plant protection products. However, it is convenient to test before use. Not to be mixed with oils, products that are very alkaline or contain Ca.

HEFEFOL 13.40.13 + TE



High-solubility crystalline NPK for fertigation or foliar spray. Its special formula containing EDTA chelated micronutrients also prevents deficiencies while fertilizing.

It is suitable for any kind of crop and particularly recommended at the beginning of the seedling stage, when it is most important to stimulate root development.



HEFEFOL 12.5.42 + TE



This formula has been specifically designed as a complement to fruit trees, citrus, grapevines, tropical fruits and olive trees, but is also perfectly suited for horticultural and ornamental crops.

Its high content in potassium makes it an ideal product for the fruit filling and maturation stages in fruit trees, citrus, vines and horticultural crops.

In olive trees, it is recommended for the first stages of budding as well as for pit hardening, fruit filling and coloring of the olive.

HEFEFOL 30.10.10 + TE



HEFEFOL 30.10.10+TE contains a high amount of completely water-soluble nitrogen. It has been designed for the first plant and fruit development stages.

Its special formula provides the plant with all required nutrients fast and efficiently.

Recommended as a foliar spray, but also very effective via fertigation





pH TRIO



pH TRIO is the essential complement to fungicides, insecticides and nematicides. It acts by stabilizing the soil's pH and thereby improving its properties, maintaining high fertility and increasing crop yield.

- Acidifying effect: regulates pH between 4.5 and 6.5 (depending of dosage)
- Surfactant effect: increases foliar dispersion
- Anti-foaming effect: reduces foaming

pH QUATRO



pH QUATRO is a multi-action product that contains nutrients and improves buffering, to maintain pH values in optimal ranges for cultivation.

- Acidifying effect: regulates pH between 4.5 and 6.5 (depending of dosage)
- Surfactant effect: increases foliar dispersion
- Anti-foaming effect: reduces foaming



PERFECTION



Organic highly-spreadable silicone penetrating and surface active agent. It reduces water surface tension. When used with pesticides, it reduces the contact angle between spray and foliage, which optimizes the coverage.

Additionally, thanks to PERFECTION, pesticides can be absorbed by the leaves' stomata, which is extremely effective to improve their efficacy, reduce the amount of pesticides used, save costs and reduce the environmental pollution caused by pesticides.



EUROPEAN REGIONAL DEVELOPMENT FUND
A WAY TO MAKE EUROPE



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