BIOCONTROL PRODUCTS,
NATURAL PROTECTION FOR
PREVENTION OF DISEASES,
NATURAL PROTECTION FOR
INTEGRATED CONTROL OF PESTS.
BIOCONTROL SPECIAL PRODUCTS,
NUTRITION PRODUCTS,
NATURAL DEFENSES INDUCERS,
BIOACTIVATORS, DEFICIENCY
CORRECTORS AND CHELATES,
HUMIC EXTRACTS, PH AND
SALINITY CORRECTORS, SPECIAL
PRODUCTS, ORGANIC NUTRITION,
BIOCONTROL PRODUCTS,
NATURAL PROTECTION FOR
PREVENTION OF DISEASES,
NATURAL PROTECTION FOR
INTEGRATED CONTROL OF PESTS.

INDEX

1- Mission, Vision and Values.
2- Grupo Agrotecnología: a group of companies
  looking towards the future.
3- Company globalization.
4- Certifications and Quality.
5- R&D.
6- Zero Residue.
7- Our products.
MISSION, VISION AND VALUES

Mission
Improve the agricultural sector and attain a modern and sustainable agriculture by offering innovative solutions for the protection and vegetal nutrition focused on improving the quality of crops, while respecting the environment and the needs of producers and consumers.

Vision
Become a leader in high value agricultural crops by contributing effective solutions in biocontrol and vegetal nutrition and being recognized by our commitment to the environment, consumers and growers.

Our values
- Commitment to ongoing research and development.
- Customer focused.
- Sustainability.
- Excellence in our products and services.
Grupo Agrotecnología is a group of companies dedicated to the manufacturing and distribution of innovative products and services for agriculture. At Grupo Agrotecnología we deliver successful solutions for a modern agriculture committed to the environment, consumers and growers. The product range of Grupo Agrotecnología contains all the necessary elements to develop sustainable agriculture free of residues. Moreover, we provide personalized services to help growers plan and manage their crops with the right products and treatment programs. Thus, our clients get maximum yields from their crops.

Value chain
Grupo Agrotecnología manages optimally the whole production chain thanks to the vertical concentration of the group.

• EDEA trading S.L.
Looks for, selects and buys the best raw materials of the market. The quality department of EDEA guarantees maximum quality of these materials.

• IAB S.L.
Our laboratory - pillar of our R&D department.

• Iberfol S.L.
Created in 1997 for the manufacturing and distribution of innovative nutritional products.

• TCB S.L.
Oriented to the emerging sector of organic agriculture and biological control of pests and diseases.

Grupo Agrotecnología distributes throughout Spain covering almost all of the main crops. It has a wide network of trained sales specialists situated in key locations and according to the existing crops and the characteristics of the market. They are supported by networks of marketing and technical advisors. Grupo Agrotecnología is headquartered in Spain, from where it serves the European and African markets. The company also has branches in Mexico, Grupo Agrotecnología México, to serve the North and Central American markets and Grupo Agrotecnología Sur, located in Chile, to supply the South American clients.
Grupo Agrotecnología is a member of various associations of organic agriculture and vegetal nutrition. They bring together several technology-based companies to get training on enhancing profitability and gathering information about Spanish and European legislation concerning agriculture and protection of the environment.

The broad range of products from Técnicas de Control Biológico (TCB) is recognized worldwide by the main control and certification agencies and in compliance with organic agriculture regulations. These products, free of chemicals and GMOs, are certified to be commercialized and exported to Europe, Japan (JAS), the United States and South America (NOP).

Grupo Agrotecnología invests significantly in R&D programs to continuously evolve existing products and develop solutions for different types of crops. Our R&D department is constantly searching for new production technologies to supply innovative, efficient and competitive products. Our collaboration with national and international universities and organizations guarantee the maximum quality and the continuous innovation of our R&D department.
ZERO RESIDUE

The demanding legislation of many countries and of distribution chains, together with the increasing demand of agricultural healthy food on the part of the consumer, requires many growers to adapt their production methods and minimize the residues on their products. To achieve this goal, Grupo Agrotecnología creates its integrated process of Zero Residue with the farmer in mind by enabling:

• Access to the most demanding chains of distribution in high quality markets.

• Satisfied consumers enjoying healthy food without residues suitable for modern nutrition.

• Satisfied growers who see how their crops are protected against pests and diseases becoming healthy and productive.

• Technical advice that will provide personalized treatment for each farmer, crop and zone.
Biocontrol products

Citrotec Plus
Composition: Citrus extract 25%, Cinnamon extract 7%, Other vegetal extracts 10%.
Description: Citrotec Plus is made of different vegetal extracts in order to reduce the superficial tension of the water used for treatments and improve coverage. Moreover, the product creates a coating on top of the plant that improves the duration and effectiveness of the systemic product combined with it. This effect also modifies the aspect of the leaves that become harder to colonize by fungi and changes the allelopathy between the plant and insects.
Dosage:
- Foliar application: 1.5 - 3 cc/L (Recommendation: Apply generously until all the parts of the plant are saturated).

Milagrum Plus
Composition: Potassium (K2O) 5%, Phosphorus (P2O5) 3%, Organic Nitrogen (N) 1%.
Description: Milagrum Plus is composed of different microelements and vegetal nutrients that activate numerous physiological functions of the plants like vegetative regeneration. In addition, the product stimulates the plant production of phytoalexines. Finally, it creates an unfavorable environment for the growth of fungi (downy mildew).
Dosage:
- Foliar application: 3 cc/L (Recommendation: Apply generously until all the parts of the plant are saturated).

Cupratec
Composition: Copper (Cu) 5% formulated as copper gluconate
Description: Cupratec corrects copper deficiencies. It is easy to absorb and free of phytotoxicity risks thanks to its organic form, copper gluconate. We recommend the use of this product to improve photosynthesis and protein synthesis. The increase of copper inside the plant provides faster healing of damages and makes the penetration of diseases inside the plant (e.g., botrytis, bacteria) more difficult.
Dosage:
- Foliar application: 1.5 – 4 cc/L (Recommendation: Apply generously until all the parts of the plant are saturated).
- Irrigation: 2.5 L/Ha.

Ospo-Bot
Composition: Potassium (K2O) 5%, Manganese (Mn) 3.3%, Iron (Fe) 0.4%
Description: Ospo-Bot brings essential elements (K2O, Mn, Fe, etc.) for different natural processes inside the plant (e.g., formation of chloroplasts, photosynthesis, fruit maturation). In addition, the product has antioxidant agents that stimulate several natural processes of the plants and their immune system in order to avoid the entrance of fungi (botrytis) through natural openings and damaged areas.
Dosage:
- Foliar application: 2.5 cc/L (Recommendation: Apply generously until all the parts of the plant are saturated).
Ospo-Vi55
Composition: Amino acids 2%, Magnesium 0.5%
Description: Ospo-Vi55 is composed of amino acids and microelements that support plant growth. In addition, the product features antioxidant agents that reduce the superficial humidity on the plant to prevent the conditions in which fungi (powdery mildew) can grow. The product does not stain the leaves or the fruits.
Dosage: - Foliar application: 5 g/L (Recommendation: Apply generously until all the parts of the plant are saturated).

Olimec
Composition: Citrus essential oil 40%, Other vegetal extracts 40%, Adjuvants 20%
Description: Olimec is an adjuvant that improves the efficiency of chemical pesticides. First, it provides better coverage of the treatment. Then, it helps systemic products penetrate faster into the plant and prevents their evaporation. In addition, it reduces the drying time after treatment. The product also creates a coat on top of the leaf that changes the allelopathy of the plant with pests. Finally, the product dissolves the waxes produced by some pests (e.g., mealybugs, whiteflies).
Dosage: - Foliar application: 1 - 3 cc/L (Recommendation: Apply generously until all the parts of the plant are saturated).

Ospo-Soil
Composition: Free amino acids 6%, Iron (Fe) 0.1%, Manganese (Mn) 0.1%, Microorganisms extract 0.8%
Description: Ospo-Soil is a liquid fertilizer based on a mix of nutrients and rhizogenic bacteria in a base of vegetal organic matter. The goal of the product is to renew microbial life underground in order to have beneficial microorganisms compete with nematodes. This product also helps renew the organic part of the soil which is reduced because of intensive agriculture. The product can also be applied after the application of a nematicide or biosolarization to maintain a low population of nematodes (consult with the technical department).
Dosage: - Irrigation: 40 L/Ha on 3 applications (20L/10L/10L). (Recommendation: Apply generously until all the parts of the plant are saturated).

Tec-Bom
Composition: Potassium (K₂O) 7.5%
Description: Tec-Bom is a bioinsecticide against whiteflies, aphids, mealybugs and other pests. This product is well-known under the name of potassium soap. It also helps dissolve the waxes produced by pests on plants. Finally Tec-Bom provides the plant with potassium and other elements that complement the nutrition of the plant.
Dosage: - Foliar application: 3 – 10 cc/L (Recommendation: Apply generously until all the parts of the plant are saturated).

Politec
Composition: Natural extracts 100%
Description: Politec has been specifically designed to attract bees on the crop and improve pollination and fruit set. The product has to be applied once at the beginning of flowering (20% flowers opened) and once at the end (90% flowers opened).
Dosage: Foliar application: 0.75 - 1 L/Ha.
Nutrition products

Brotone
Composition: Organic Nitrogen (N) 5%, Copper (Cu) 1.75%, Manganese (Mn) 0.75%, Zinc (Zn) 0.5%
Description: Brotone helps the plant produce phytoalexines and stimulates vegetative growth. It penetrates easily and quickly inside the plant to improve the circulation of the sap. Therefore, it can be used as a carrier in combination with other products. It also corrects efficiently Zinc and Manganese deficiencies.
Certification: EC Fertiliser.

Drap-Fhos MZ
Composition: Phosphorus (P2O5) 20%, Manganese 1.5%, Zinc 1.5%
Description: Drap-Fhos MZ is a liquid fertilizer that activates numerous physiological functions of plants like the production of phytoalexines and other enzymes. It efficiently corrects the deficiencies of manganese and zinc which makes it an essential tool for corn growers.
Dosage: Foliar application: 1.5 - 3 cc/L. Irrigation: 2 – 3 L/Ha.
Certification: EC Fertiliser.

Drap-Fhos 30-20
Composition: Phosphorus (P2O5) 30%, Potassium (K2O) 20%
Description: Drap-Fhos 30-20 activates numerous physiological functions of plants like the production of phytoalexines and other natural enzymes. The product also provides a complementary source of nutrition during flowering and fruit set.
Dosage: Foliar application: 1.5 - 3 cc/L. Irrigation: 6 – 18 L/Ha.
Certification: EC Fertiliser.

Flanquer-Box
Composition: Free amino acids 8%, Seaweed extract 5%, Humic extract 20%, Nitrogen (N) 11.5%
Description: Flanquer-Box is a liquid product formulated with nitrogen, vegetal amino acids and Ascophyllum Nodosum seaweed extract. This product can be used throughout the crop cycle in order to improve fruit set, increase fruit size and chlorophyll concentration.
Certification: Organic based fertilizer.
Ibermar C2000
Composition:
Seaweed cream IB-88 15%, Molybdenum 3%, Boron (B) 2%, Potassium (K2O) 1%, EDTA Magnesium (Mg) 1%.
Description:
Ibermar C2000 is a liquid fertilizer based on Ascophyllum Nodosum seaweed (contains amino acids, plant hormones and other natural enzymes) enriched with microelements that improves flowering, fruit set, and provides better quality and uniformity of the harvest.
Dosage:
- Foliar application: 1.5 - 3 cc/L
Certification: EC Fertiliser.

Rizober
Composition:
Seaweed extract 12%, Amino acids 2%, Nitrogen (N) 3.5%, Potassium (K2O) 2.4%, Iron (Fe) 0.5%, Boron (B) 0.2%, Manganese (Mn) 0.1%, Zinc (Zn) 0.1%, Molybdenum (Mo) 0.05%.
Description:
Rizober is a liquid fertilizer specifically formulated to enhance root growth. We recommend the use of this product at transplant and during all the growth cycle of the plant so that it can help in root formation and expansion.
Dosage:
- Irrigation: 2 - 3 L/Ha.
Certification: Organic based fertilizer.

Foristin
Composition:
Seaweed cream IB-87 12%
Description:
Foristin is a liquid fertilizer based on Ascophyllum Nodosum seaweed (contains amino acids, plant hormones and other natural enzymes). The seaweed cream IB-87 is formulated to give a higher concentration of folcisteine. This plant hormone has a positive effect in the productivity of crops.
Dosage:
- Foliar application: 0.1 - 0.8 cc/L
- Irrigation: 2 - 3 L/Ha
Certification: Organic based fertilizer.

Caltec-Al
Composition:
Calcium (CaO) 11%, Free amino acids 2%, Organic Nitrogen (N) 5%.
Description:
Caltec contains calcium which is easy to absorb and transports it inside the plant. We recommend the use of this product to correct or prevent calcium deficiencies (e.g., tip burn, bitter pit).
Dosage:
- Foliar application: 1 - 3 cc/L
- Irrigation: 3 - 8 L/Ha
Certification: EC Fertiliser.

Organic nutrition

Fort-Soil
Composition:
Calcium (CaO) 10%
Description:
Fort-Soil promotes root growth thanks to calcium and other natural components. It improves the rooting of the plant in the earlier growth stages of the crop cycle. Therefore, it increases the growth of the plant as well as the quantity and quality of the harvest. It can also be used to prevent calcium deficiencies (e.g., tip burn, bitter pit).
Dosage:
- Irrigation: 10 L/Ha and then 5 L/Ha every 20 to 30 days
Certification: EC Fertiliser.
Ibermar-20
Composition:
Seaweed extract 25%, Nitrogen (N) 0.25%, Phosphorus (P2O5) 3%, Potassium (K2O) 5%, Magnesium (MgO) 0.3%
Description:
Ibermar-20 is a liquid fertilizer made of Ascophyllum Nodosum seaweed (contains amino acids, plant hormones and other natural enzymes) and NPK elements. This product improves the aspect of the plant (e.g., dark green color, stronger development). It is 100% natural: free of impurities and heavy metals.
Dosage:
- Foliar application: 1.5 - 3 cc/L
- Seed treatment: 30 cc/L
Certification: Organic based fertilizer.

Ibermar-Plus
Composition:
Seaweed extract 100%
Description:
Ibermar-Plus is a powder fertilizer consisting of Ascophyllum Nodosum seaweed (contains amino acids, plant hormones and other natural enzymes) that acts on the different biological processes of the plant like cell division, protein synthesis and plant strength. This product is 100% natural: free of impurities and heavy metals.
Dosage:
- Foliar application: 0.75 - 1.5 g/L.
Certification: Organic based fertilizer.

Magtec
Composition:
Magnesium (MgO) 6.6%, Free amino acids 2%, Fulvic acids 50%
Description:
Magtec contains magnesium complexed by polycarboxylic and phenolic acids which makes the element easy to absorb and transports it inside the plant. We recommend the use of this product to correct or prevent magnesium deficiency.
Dosage:
- Foliar application: 3 - 5 cc/L.
Certification: EC Fertiliser.

Tecfer
Composition:
Iron (Fe) 6%, EDDHA Iron 4.2%
Description:
Tecfer is a powder product that corrects iron deficiencies. It contains iron chelated on orto-orto by EDDHA. We recommend the use of this product to solve iron deficiencies and to improve chlorophyll synthesis.
Dosage:
- Foliar application: 2 - 5 cc/L.
- Irrigation: 6 - 15 L/Ha.
Certification: Organic based fertilizer.

Tec K
Composition:
Potassium (K2O) 10%, Free amino acids 2%, chelating and complexing agents (EDTA and AHA) 17%
Description:
Tec-K is a liquid fertilizer consisting of potassium and vegetal amino acids. We recommend the use of this product to help the plant during the stages of higher potassium need (e.g., fruit maturation, lignification of the sprouts).
Dosage:
- Foliar application: 1.5 - 2 cc/L.
- Irrigation: 45 - 65 L/Ha.
Certification: EC Fertiliser.

Tecomin
Composition:
Free amino acids 8%, Nitrogen (N) 3.5%, Phosphorus (P2O5) 3%, Potassium (K2O) 3%
Description:
Tecomin is a liquid fertilizer based on vegetal amino acids and natural NPK elements. We recommend the use of this product to help the plant recover from external stress (e.g., drought, freezing, phytotoxicity) and to support it during the stages of higher activity (sprouting, flowering, fruit set and fruit maturation).
Dosage:
- Foliar application: 2 - 5 cc/L.
- Irrigation: 6 - 15 L/Ha.
Certification: Organic based fertilizer.
### Tecsoil Forte

**Composition:** Nitrogen (N) 5.5%, Potassium (K2O) 5%, Magnesium (MgO) 1%, Rhizogenic microorganisms 0.1% (w/v).

**Description:** Tecsoil-Forte promotes root growth through a mix of macro and microelements in a base of fermented organic matter. It enhances and accelerates plant growth by stimulating the absorption of nutrients. This formulation also eases the long term nutrition of the plant by solubilizing elements blocked in the soil.

**Dosage:**
- Foliar application: 5 cc/L
- Irrigation: 15 - 50 L/Ha

**Certification:** Organic based fertilizer.

### Back Range

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Composition</th>
<th>Dosage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Back-Boro</td>
<td>Boron (B) 8.75%</td>
<td>1.5 - 3.5 cc/L</td>
</tr>
<tr>
<td>Back-Ca B</td>
<td>Calcium (CaO) 9%, Boron (B) 3%</td>
<td>3 cc/L</td>
</tr>
<tr>
<td>Back-Ca 10</td>
<td>Calcium (CaO) 10%</td>
<td>1 - 3 cc/L</td>
</tr>
<tr>
<td>Back-Mo</td>
<td>Molybdenum (Mo) 3%</td>
<td>1 - 2 cc/L</td>
</tr>
<tr>
<td>Back-MZ</td>
<td>Manganese (Mn) 3.6%, Zinc (Zn) 3.6%</td>
<td>1 - 3 cc/L</td>
</tr>
<tr>
<td>Back-Mg</td>
<td>Magnesium (MgO) 6.75%</td>
<td>3 - 5 cc/L</td>
</tr>
<tr>
<td>Back-K</td>
<td>Potassium (K2O) 32%</td>
<td>1.5 - 2 cc/L</td>
</tr>
</tbody>
</table>

**Certification:** EC Fertiliser.

### Ruck Range

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Composition</th>
<th>Dosage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ruck-MB</td>
<td>Boron (B) 12%, Molybdenum (Mo) 8%</td>
<td>2 - 3.5 g/L</td>
</tr>
<tr>
<td>Ruck-Fe EDDHA</td>
<td>Iron (Fe) 6%, EDDHA Iron 4.2%</td>
<td>3 - 5 Kg/Ha</td>
</tr>
<tr>
<td>Ruck-Fe 13</td>
<td>EDTA Iron 13%</td>
<td>1 - 3 g/L</td>
</tr>
<tr>
<td>Ruck-Mn 13</td>
<td>EDTA Manganese 13%</td>
<td>1 - 3 g/L</td>
</tr>
<tr>
<td>Ruck-Zn 15</td>
<td>EDTA Zinc 15%</td>
<td>1 - 3 g/L</td>
</tr>
</tbody>
</table>

**Certification:** EC Fertiliser.

### Iber-Humus

**Composition:** Humic acids 10%, Fulvic acids 5%, Potassium (K2O) 4.5%

**Description:** Iber-Humus is a liquid fertilizer that improves the structure of the soil and promotes underground microbial life. This product also helps the plant absorb the elements necessary for its nutrition and therefore reduces the amount of supplement nutrition that you would normally have to apply to the crops.

**Dosage:**
- Foliar application: 5 cc/L
- Irrigation: 15 - 50 L/Ha

**Certification:** Organic based fertilizer.

### Iber-Humus Gr 70

**Composition:** Humic acids 70%

**Description:** Iber-Humus Gr 70 is a solid fertilizer made exclusively of potassium humate. The slow release balls can be added to basic fertilizers in order to improve the structure of the soil, favor microbial life and improve cationic exchanges inside the soil. The product also helps the plant absorb the elements of the soil by naturally chelating them.

**Dosage:**
- Direct on the soil: 80 - 100 Kg / ha

**Certification:** Organic based fertilizer.
Pilier Plus

Composition:
Humic extract 30%, Nitrogen (N) 7%, Potassium (K2O) 2.5%, Magnesium (MgO) 1%, Iron (Fe) 0.6%, Manganese (Mn) 0.4%, Zinc (Zn) 0.3%, Boron (B) 0.012%, Molybdenum (Mo) 0.001%

Description:
Pilier Plus is a liquid fertilizer that improves the chemical, physical and biological properties of the soil in order to retain more humidity and enable better root growth. It also helps the plant absorb the macro and micro elements and frees up the elements blocked in the soil.

Dosage:
Foliar application: 2.5 - 5 cc/L
Irrigation: 35 - 60 L/Ha

Certification: Organic based fertilizer.

Special products

Iber-pH

Composition:
Phosphorus (P2O5) 15%, Potassium 5%

Description:
Iber-pH provides nutritive elements to the plants and reduces the pH of the water used for treatments. This formulation also includes natural surfactants that enhance the coverage of the treatment.

Dosage:

<table>
<thead>
<tr>
<th>pH water</th>
<th>pH required</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>7,5</td>
<td>300 cc / 100 L</td>
<td>200 cc / 100 L</td>
<td>100 cc / 100 L</td>
<td></td>
</tr>
<tr>
<td>7,5</td>
<td>8</td>
<td>325 cc / 100 L</td>
<td>225 cc / 100 L</td>
<td>100 cc / 100 L</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>8,5</td>
<td>350 cc / 100 L</td>
<td>250 cc / 100 L</td>
<td>100 cc / 100 L</td>
<td>50 cc / 100 L</td>
</tr>
<tr>
<td>8,5</td>
<td>9</td>
<td>400 cc / 100 L</td>
<td>300 cc / 100 L</td>
<td>150 cc / 100 L</td>
<td>75 cc / 100 L</td>
</tr>
<tr>
<td>9</td>
<td>9,5</td>
<td>425 cc / 100 L</td>
<td>350 cc / 100 L</td>
<td>200 cc / 100 L</td>
<td>100 cc / 100 L</td>
</tr>
<tr>
<td>9,5</td>
<td>10</td>
<td>600 cc / 100 L</td>
<td>475 cc / 100 L</td>
<td>350 cc / 100 L</td>
<td>200 cc / 100 L</td>
</tr>
</tbody>
</table>

Certification: EC Fertiliser.

Ibersal

Composition:
Calcium (CaO) 11%, Humic extract 12%

Description:
Ibersal is made of calcium combined with polycarboxylic, humic and fulvic acids. Its formulation reduces salt levels in the soil and water used for irrigation.

Dosage:
Soil salinity regulation: 40 - 75 L/Ha
Water salinity: 0.15 - 0.9 cc/L

Certification: EC Fertiliser.

Iberman 70

Composition:
Dioctyl sodium sulfosuccinate (DSS) 70%

Description:
Iberman-70 improves the efficiency of pesticides thanks to its adhesive effect that increases the coverage and duration of action of the treatments. Moreover, it can be used to remove the waxes produced by psyllids, aphids and whiteflies.

Dosage:
- Foliar application: 1 cc/L

Certification: Adjuvant.