CN

City Nature GELS

ECO GEL CATALOG 2024

Since 2020

- The range of foliar products **ECO GEL**, high quality, are specially designed and formulated for all types of crops, where their use in combination is recommended according to the specific needs of each one of them. Thanks to the gel format, a fast and effective action is achieved while being continuous and prolonged.

- The **ECO GEL** range provides products that, due to their format, increase the retention time of the product and reduce the surface tension of the leaves, favoringthe opening of the stomat and the absorption of the cuticle, thus increasing theamount of nutrients absorbed.

- It acts as a protective colloid of nutrients, ensuring their structure and properties, avoiding chemical degradation and evaporation loss or formation of secondary compounds.

- Being a GEL fertilizer and not having ionic character, it is compatible with most PHYTOSANITARY treatments, increasing its effectiveness.

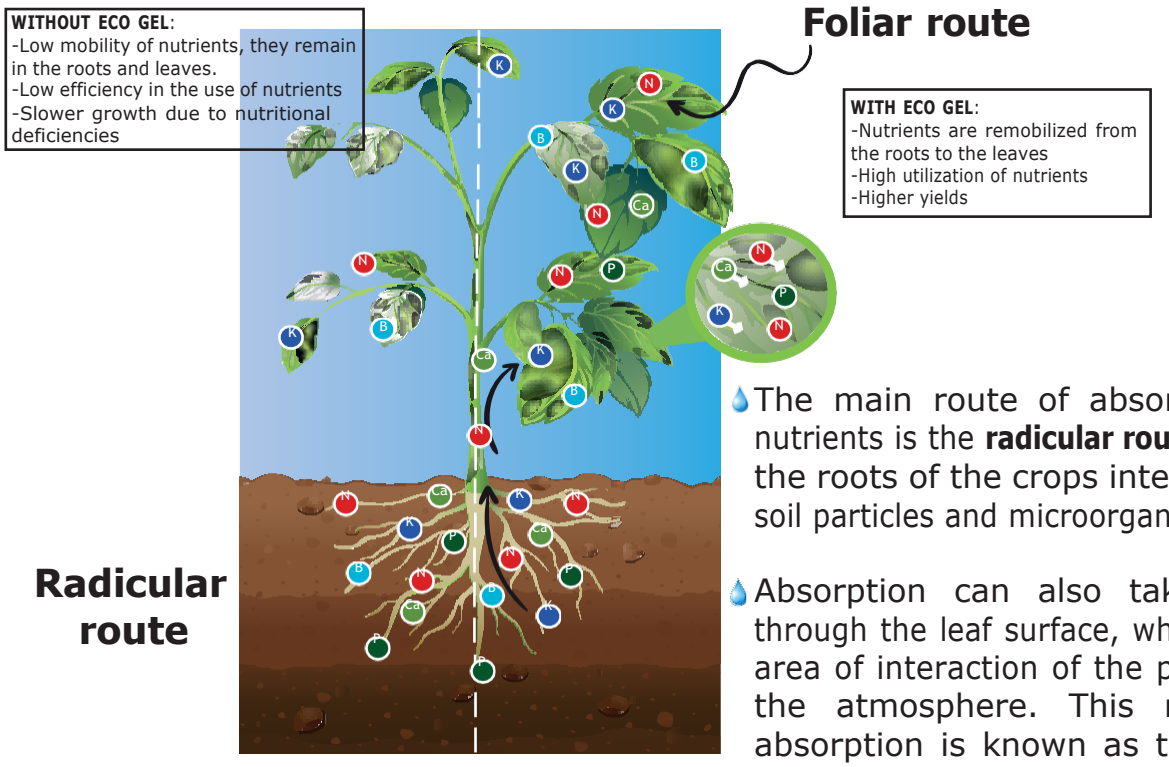

Figure 1. Types of absorption of plants.

- The main route of absorption of nutrients is the **radicular route**, where the roots of the crops interact with soil particles and microorganisms.

- Absorption can also take place through the leaf surface, which is the area of interaction of the plant with the atmosphere. This route of absorption is known as the **foliar route**.

- The surface of the leaves of some plants is acidic and hydrophobic with the presence of hairs (**trichomes**). These **trichomes** have certain important characteristics such as:

  - Determining the presence of insects
  - Catch the water
  - Secrete acidic substances
  - Protect the plant from excessive transpiration in dry environments

- Umbrella-shaped foliar **trichomes** are specially designed to reduce water loss through trasspiration. These **trichomes** sometimes cover the entire lower leaf surface and are also present in smaller amounts on the upper leaf surface.

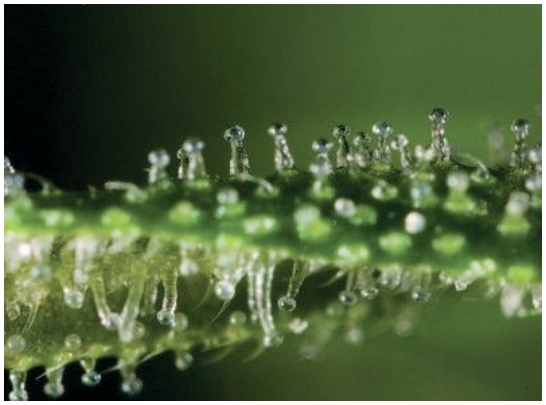

Figure 2. Trichomes on leaves

- The formulation of **ECO GEL** foliar fertili- zers is particularly important in these crops toensure that the foliar application reaches the maximum percentage of the active surface of the leaf, that is, the important organs in foliar absorption.

- To ensure maximum absorption, the particle size of the product must be precisely controlled. The importance of the size is explain in a graph bellow.

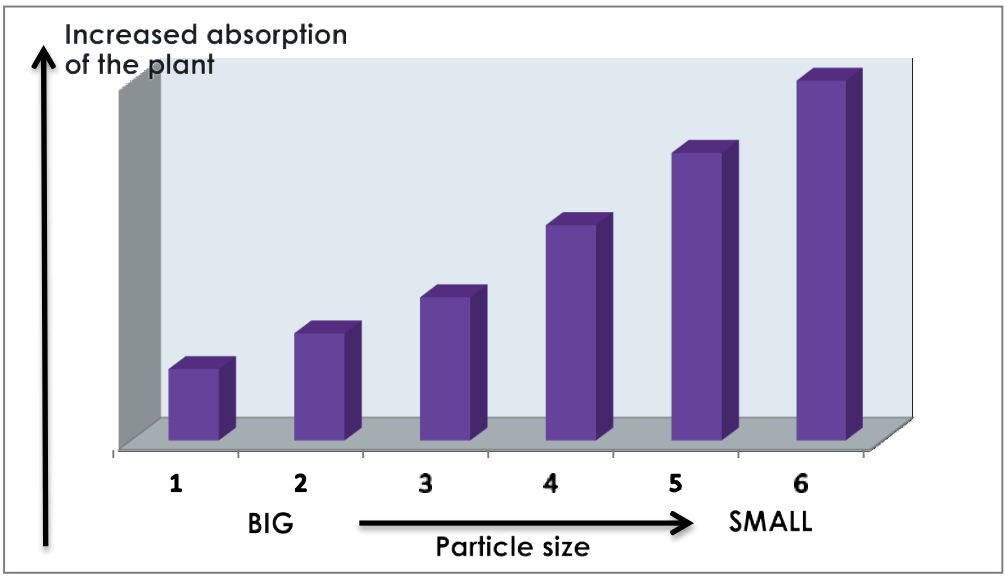

Figure 3. Variation of the absorption of the same ECO GEL productdepending on its particle size.

- It is observed how by reducing the particle size a much more effective foliar absorption is achieved.
  Thanks to the greater number of smaller products particles in leaf, products extend across the sheet, maximizing the coverage and increasing both absorption and the residual activity of nutrients in the leaf surface.

- Moreover, using a controlled particle size and risks of phyto-toxicity burns are minimized and greater concentration of a specific element is avoided in the specific point of contact with the sheet.

The importance of manufacturing a quality product is reflected in the chart below. In it, the behavior of an **unformulated raw material** can be differentiated from a **ECO GEL product**, formulated with the best quality raw materials through a controlled process.

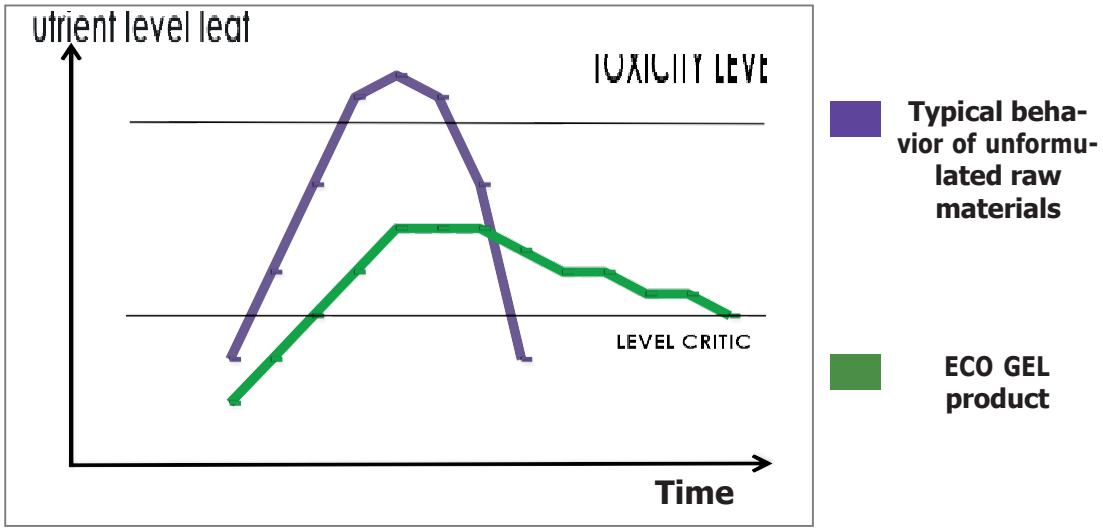

Figure 4. Comparison of toxicity and durability between a raw material unformulated and ECO GEL product.

As can be seen, the behavior of an untreated raw material leads to a very rapid rise in the level of the nutrient, until the toxicity level is exceeded, which can lead to the death of the plant. In addition, the graph shows how the level of this nutrient decreases rapidly, with which it can be concluded that it is a product with a very low durability and very dangerous due to toxicity.

However, the behavior of the **ECO GEL** product has a very different, the nutrient levels are always kept at an optimal level, to ensure a perfect nutrition of the plant. In addition, these levels are maintained for a longer period of time, which reduces the number of applications. In conclusion, it can be said that this **ECO GEL** product allows a controlled release and a longer effect.

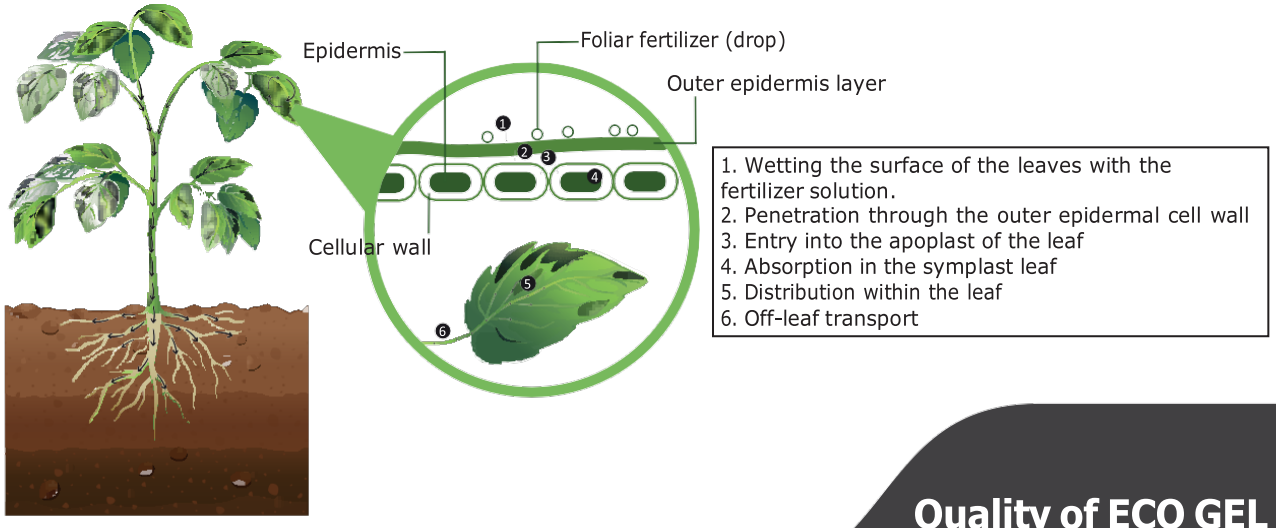

Figure 5. Absorption of nutrients by leaves.

Each product **ECO GEL** is made with nutritional high quality components. Raw materials will depend on the final formulation of the product and its uses.

The final products include gel type formats and suspensions of high concentration. All are made with raw materials of high purity.

Figure 6. Quality control.

In its natural state, some raw materials for the production of foliar fertilizers are associated with metals. For this reason experts in quality control measure **CITY NATURE** specifications and heavy metal content of all raw materials used in the formulations of the final products.

CO-formulants are chemical compounds that are used to control and improve the behavior of raw materials micro-nutrients:

- Wetting agents: helps ensure product spreads properly on leaf or fruit surface. The larger contact surface, the greater the absorption. Moisturizers also increase the evaporation spray or spraying allowing the product out faster and that the application be resistant to washing by rain irrigation as fast as possible.

- Adherents agents: foliar fertilizers also contain agents adherents that help retain nutrients on the plant's leaf surface, ensuring that a minimal amount of nutrients is lost through flushing caused by irrigation water or rain. This ensures a continuous performance even if the weather conditions are not favorable.

- Absorbents: helps the penetration of nutrients through the plant cuticle and stomata, as well as the mobilization of the entire plant.

Figure 7. Strawberry cultivation.

- The foliar products in the ECO GEL range combine ease of use with excellentresults.
- By providing a gradual release of the nutrients applied to them, the effect is much longer than that of unformulated foliar products. This detail is very important, since the balanced development of this crop is prolonged.
- Foliar formulated products are particularly long-lasting and effective on plant leaves, so the farmer does not have to make as many applications.

PRODUCTS
ECO GEL

ECO GEL

ECO GEL FOLIAR

GEL NUTRITION

Foliar feeding provides fast, on-the-spot nutrition to ensure high and top quality yields. It is an effective supplementary feeding to complete soil fertilization and promptly corrects nutrient deficiencies. Foliar application of nutrients at specific stages of crop development boosts yield and improves quality.

Eco Gel products have been present in the market for the last 15 years. With their very high concentration, low pH and added adjuvants, they represent the perfect product line to use for foliar feedingwith a proven record of accomplishment in the field. The advantages of both powder and liquid fertilizers merge in **Eco Gel** products combining the high concentration of powders with the useful additives used in liquid formulations. The gel formulation decreases the surface tension of the water drop that is formed when applied, increases retention of nutrients on leaves and favours stomatal opening for better and efficient absorption.

The gel structure optimizes the efficiency of the application by:

• Improving and increasing absorption and retention of nutrients on the foliage

• Reduction of surface tension of the spray solution on the leaves increases water retention and leads to promote stomatal opening

• Allowing better and easier dosage

• Facilitating the dissolution and, therefore, the assimilation of the nutrients in the plant's metabolism

• Improving efficiency of agrochemicals due to low pH

• Helping plants recover from stress impact

• 100% water-soluble even in cold or hard water

• Can be applied safely with most commonly used plant protection products

Mixture with agrochemicals in the tank

Water pH is a critical factor in the effectiveness of many plant protection products and growth regulators. Under alkaline conditions, alkaline hydrolysis occurs degrading the pesticide to inactive forms. The degradation of a pesticide can be measured in terms of its half-life (reduction of the active ingredient content by 50%).

As a general rule, herbicides, insecticides, and fungicides perform best in slightly acidic water, pH 4–6.5.

The pH of the solution can influence how long a pesticide molecule remains intact, its stability and effectiveness. Buffering agents prevent pesticide hydrolysis during mixing in the tank. Due to their acidic pH **Eco Gel** products can be used as well as buffering agents in order to preserve the stability and enhance the efficacy of plant protection products and growth regulators in hard water conditions.

ECO GEL

K NITRATE 13, 5-0-46 +28% SO^3 +te – neutral pH

COMPOSITION

Specifications	W/V
Total Nitrogen (N)	**13.5 %**
Nitric Nitrogen	**13.5 %**
Potassium Oxide (K2O), soluble in water	**46.00 %**
Sulphur Trioxide (SO^3), soluble in water	**28.0 %**
Boron (B), soluble in water	**0.016 %**
Copper (Cu), EDTA-chelated, soluble in water	**0.003 %**
Iron (Fe), EDTA-chelated, soluble in water	**0.082 %**
Manganese (Mn), EDTA-chelated, soluble in water	**0.041 %**
Molybdenum (Mo), soluble in water	**0.003 %**
Zinc (Zn), EDTA-chelated, soluble in water	**0.016 %**

Density: 1,56 gr/cc
Ph: 6-7
Colour: Red
Formulation: GEL

CHARACTERISTICS

It is a highly pure potassium fertilizer, which dissolves quickly and completely.
Our product does not show any sensitivity to caking and is recommended during the development of the fruit or tuber.
The high level of potassium plays an important role in achieving higher yields with outstanding quality, thus affecting the overall performance of the plant. In addition, the presence of nitrogen has a positive effect on the absorption of potassium by the plant and is crucial during the fruit sizing stage.

- Improves fruit quality, durability and increases plant resistance to drought
- Limits vegetative growth from fruit formation
- Developed for fertigation in open fields and greenhouses. Also suitable for foliar application

RECOMMENDATIONS

Foliar application: Apply 2 – 5 kg/ha/application. Never exceed a concentration of 0.5% (5 g/l of water). Always use in sufficient water volume to guarantee full coverage of the foliage. Do not apply during very hot weather or on crops under water stress. The best application time is early morning or in the evening when the moisture is high in the plant.

Field crops (cereals, sugar beet, oil seed rape, cotton, etc..): Apply after germination on crops with 4 - 6 leaves; repeat before tillering for cereals.

Potatoes: Apply during the tuber initiation; repeat during the beginning of tuber development stage and 10 days later.

Vegetables: Perform 1 - 2 applications after transplanting till first flowers. Repeat on regular basis during the formation of new flowers (tomato, cucumber, strawberries).

ECO GEL

KS 500+te - neutral pH

COMPOSITION

Specifications	W/V
Total Nitrogen (N)	**7.0 %**
Nitric Nitrogen	**7.0 %**
Potassium Oxide (K2O), soluble in water	**50.00 %**
Sulphur Trioxide (SO^3), soluble in water	**18.0 %**
Boron (B), soluble in water	**0.016 %**
Copper (Cu), EDTA-chelated, soluble in water	**0.003 %**
Iron (Fe), EDTA-chelated, soluble in water	**0.082 %**
Manganese (Mn), EDTA-chelated, soluble in water	**0.041 %**
Molybdenum (Mo), soluble in water	**0.003 %**
Zinc (Zn), EDTA-chelated, soluble in water	**0.016 %**

Density: 1,6 gr/cc
Ph: 6-7
Colour: Red
Formulation: GEL

CHARACTERISTICS

Fertilizer highly concentrated in potassium (370 g / l) indicated for the prevention and correction of potassium deficiencies and to promote the formation and ripening of fruits.
With neutral pH.

- Improves fruit quality, durability and increases plant resistance to drought
- Limits vegetative growth from fruit formation
- Developed for fertigation in open fields and greenhouses. Also suitable for foliar application

RECOMMENDATIONS

Foliar application: Apply 2 – 5 kg/ha/application. Never exceed a concentration of 0.5% (5 g/l of water). Always use in sufficient water volume to guarantee full coverage of the foliage. Do not apply during very hot weather or on crops under water stress. The best application time is early morning or in the evening when the moisture is high in the plant.

Field crops (cereals, sugar beet, oil seed rape, cotton, etc..): Apply after germination on crops with 4 - 6 leaves; repeat before tillering for cereals.

Potatoes: Apply during the tuber initiation; repeat during the beginning of tuber development stage and 10 days later.

Vegetables: Perform 1 - 2 applications after transplanting till first flowers. Repeat on regular basis during the formation of new flowers (tomato, cucumber, strawberries).

ECO GEL

KS 600+te - neutral pH

COMPOSITION

Specifications	W/V
Total Nitrogen (N)	**7.0 %**
Nitric Nitrogen	**7.0 %**
Potassium Oxide (K2O), soluble in water	**60.00 %**
Sulphur Trioxide (SO^3), soluble in water	**27.0 %**
Boron (B), soluble in water	**0.016 %**
Copper (Cu), EDTA-chelated, soluble in water	**0.003 %**
Iron (Fe), EDTA-chelated, soluble in water	**0.082 %**
Manganese (Mn), EDTA-chelated, soluble in water	**0.041 %**
Molybdenum (Mo), soluble in water	**0.003 %**
Zinc (Zn), EDTA-chelated, soluble in water	**0.016 %**

Density: 1,6 gr/cc
Ph: 6-7
Colour: Red
Formulation: GEL

CHARACTERISTICS

Fertilizer highly concentrated in potassium (370 g / l) indicated for the prevention and correction of potassium deficiencies and to promote the formation and ripening of fruits.
With neutral pH.

- Improves fruit quality, durability and increases plant resistance to drought
- Limits vegetative growth from fruit formation
- Developed for fertigation in open fields and greenhouses. Also suitable for foliar application

RECOMMENDATIONS

Foliar application: Apply 2 – 5 kg/ha/application. Never exceed a concentration of 0.5% (5 g/l of water). Always use in sufficient water volume to guarantee full coverage of the foliage. Do not apply during very hot weather or on crops under water stress. The best application time is early morning or in the evening when the moisture is high in the plant.

Field crops (cereals, sugar beet, oil seed rape, cotton, etc..): Apply after germination on crops with 4 - 6 leaves; repeat before tillering for cereals.

Potatoes: Apply during the tuber initiation; repeat during the beginning of tuber development stage and 10 days later.

Vegetables: Perform 1 - 2 applications after transplanting till first flowers. Repeat on regular basis during the formation of new flowers (tomato, cucumber, strawberries).

ECO GEL

KS 700 +te - neutral pH

COMPOSITION

Specifications	W/V
Total Nitrogen (N)	**7.0 %**
Nitric Nitrogen	**7.0 %**
Potassium Oxide (K2O), soluble in water	**70.00 %**
Sulphur Trioxide (SO^3), soluble in water	**36.0 %**
Boron (B), soluble in water	**0.016 %**
Copper (Cu), EDTA-chelated, soluble in water	**0.003 %**
Iron (Fe), EDTA-chelated, soluble in water	**0.082 %**
Manganese (Mn), EDTA-chelated, soluble in water	**0.041 %**
Molybdenum (Mo), soluble in water	**0.003 %**
Zinc (Zn), EDTA-chelated, soluble in water	**0.016 %**

Density: 1,7 gr/cc
Ph: 6-7
Colour: Red
Formulation: GEL

CHARACTERISTICS

Fertilizer highly concentrated in potassium (370 g / l) indicated for the prevention and correction of potassium deficiencies and to promote the formation and ripening of fruits.
With neutral pH.

- Improves fruit quality, durability and increases plant resistance to drought
- Limits vegetative growth from fruit formation
- Developed for fertigation in open fields and greenhouses. Also suitable for foliar application

RECOMMENDATIONS

Foliar application: Apply 2 – 5 kg/ha/application. Never exceed a concentration of 0.5% (5 g/l of water). Always use in sufficient water volume to guarantee full coverage of the foliage. Do not apply during very hot weather or on crops under water stress. The best application time is early morning or in the evening when the moisture is high in the plant.

Field crops (cereals, sugar beet, oil seed rape, cotton, etc..): Apply after germination on crops with 4 - 6 leaves; repeat before tillering for cereals.

Potatoes: Apply during the tuber initiation; repeat during the beginning of tuber development stage and 10 days later.

Vegetables: Perform 1 - 2 applications after transplanting till first flowers. Repeat on regular basis during the formation of new flowers (tomato, cucumber, strawberries).

ECO GEL

KS 800 +te - neutral pH

COMPOSITION

Specifications	W/V
Total Nitrogen (N)	**6.0 %**
Nitric Nitrogen	**6.0 %**
Potassium Oxide (K2O), soluble in water	**80.00 %**
Sulphur Trioxide (SO^3), soluble in water	**45.0 %**
Boron (B), soluble in water	**0.016 %**
Copper (Cu), EDTA-chelated, soluble in water	**0.003 %**
Iron (Fe), EDTA-chelated, soluble in water	**0.082 %**
Manganese (Mn), EDTA-chelated, soluble in water	**0.041 %**
Molybdenum (Mo), soluble in water	**0.003 %**
Zinc (Zn), EDTA-chelated, soluble in water	**0.016 %**

Density: 1,86 gr/cc
Ph: 6-7
Colour: Red
Formulation: GEL

CHARACTERISTICS

Fertilizer highly concentrated in potassium (370 g / l) indicated for the prevention and correction of potassium deficiencies and to promote the formation and ripening of fruits.
With neutral pH.

- Improves fruit quality, durability and increases plant resistance to drought
- Limits vegetative growth from fruit formation
- Developed for fertigation in open fields and greenhouses. Also suitable for foliar application

RECOMMENDATIONS

Foliar application: Apply 2 – 5 kg/ha/application. Never exceed a concentration of 0.5% (5 g/l of water). Always use in sufficient water volume to guarantee full coverage of the foliage. Do not apply during very hot weather or on crops under water stress. The best application time is early morning or in the evening when the moisture is high in the plant.

Field crops (cereals, sugar beet, oil seed rape, cotton, etc..): Apply after germination on crops with 4 - 6 leaves; repeat before tillering for cereals.

Potatoes: Apply during the tuber initiation; repeat during the beginning of tuber development stage and 10 days later.

Vegetables: Perform 1 - 2 applications after transplanting till first flowers. Repeat on regular basis during the formation of new flowers (tomato, cucumber, strawberries).

ECO GEL

KS 800 + AA +te - neutral pH

COMPOSITION

Specifications	W/V
Total Nitrogen (N)	**6.0 %**
Nitric Nitrogen	**6.0 %**
Potassium Oxide (K2O), soluble in water	**80.00 %**
Sulphur Trioxide (SO^3), soluble in water	**45.0 %**
Total Amino Acids	**5.0%**
Boron (B), soluble in water	**0.016 %**
Copper (Cu), EDTA-chelated, soluble in water	**0.003 %**
Iron (Fe), EDTA-chelated, soluble in water	**0.082 %**
Manganese (Mn), EDTA-chelated, soluble in water	**0.041 %**
Molybdenum (Mo), soluble in water	**0.003 %**
Zinc (Zn), EDTA-chelated, soluble in water	**0.016 %**

Density: 1,86 gr/cc
Ph: 6-7
Colour: Red
Formulation: GEL

CHARACTERISTICS

Fertilizer highly concentrated in potassium (370 g / l) indicated for the prevention and correction of potassium deficiencies and to promote the formation and ripening of fruits.
With neutral pH.

- Improves fruit quality, durability and increases plant resistance to drought
- Limits vegetative growth from fruit formation
- Developed for fertigation in open fields and greenhouses. Also suitable for foliar application

RECOMMENDATIONS

Foliar application: Apply 2 – 5 kg/ha/application. Never exceed a concentration of 0.5% (5 g/l of water). Always use in sufficient water volume to guarantee full coverage of the foliage. Do not apply during very hot weather or on crops under water stress. The best application time is early morning or in the evening when the moisture is high in the plant.

Field crops (cereals, sugar beet, oil seed rape, cotton, etc..): Apply after germination on crops with 4 - 6 leaves; repeat before tillering for cereals.

Potatoes: Apply during the tuber initiation; repeat during the beginning of tuber development stage and 10 days later.

Vegetables: Perform 1 - 2 applications after transplanting till first flowers. Repeat on regular basis during the formation of new flowers (tomato, cucumber, strawberries).

ECO GEL

N 41-6+te- neutral pH

COMPOSITION

Specifications	W/V
Nitrogen Total (N)	41%
Nitric Nitrogen (N-NO3)	10.5%
Ammoniacal Nitrogen (N-NH4)	10.5%
Urea Nitrogen (N-NH2)	20.0%
Phosphorus Pentoxide (P2O5), soluble in water	6.0%
Boron (B), soluble in water	0.016%
Copper (Cu), EDTA-chelated, soluble in water	0.003%
Iron (Fe), EDTA-chelated, soluble in water	0.080%
Manganese (Mn), EDTA-chelated, soluble in water	0.032%
Molybdenum (Mo), soluble in water	0.003%
Zinc (Zn), EDTA-chelated, soluble in water	0.016%

Density: 1, 34 gr/cc
Ph: 6-7
Colour: Blue
Formulation: GEL

CHARACTERISTICS

Eco Gel N 41-6+te It is a nitrogen fertilizer that contains nitrogen in its three forms: ureic, ammoniaand nitric, allowing a very wide spectrum of solutions for its use and assimilation by the crop. It is a productwidely used in the winter cereal cover since, by providing the three forms of nitrogen, in an early application, all the nitrogen that the crop requires is supplied so that, in certain cases, it allows a single application.

RECOMMENDATIONS

Eco Gel N41-6+te is a single-tank mix **GEL** providing plants with all the necessary nutrients.

Eco Gel N41-6+te can be mixed with calcium nitrate without the risk of precipitation.

Fertigation: The recommended concentration of **Eco Gel N41-6+te** in feed solutions varies from 0.5to 2 g/l (0.05 – 0.2%). The balanced formulation is best suited for applications during vegetative crop development.
Foliar spray: Although the product is mainly used for fertigation, it is also possible to use it as a foliar spray. Apply 2 – 4 kg/ha/application. Use in sufficient water volume to guarantee full coverage of the foliage.

ECO GEL

N 42+te- neutral pH

COMPOSITION

Specifications	W/V
Nitrogen Total (N)	42%
Nitric Nitrogen (N-NO3)	10.5%
Ammoniacal Nitrogen (N-NH4)	10.5%
Urea Nitrogen (N-NH2)	21.0%
Boron (B), soluble in water	0.016%
Copper (Cu), EDTA-chelated, soluble in water	0.003%
Iron (Fe), EDTA-chelated, soluble in water	0.080%
Manganese (Mn), EDTA-chelated, soluble in water	0.032%
Molybdenum (Mo), soluble in water	0.003%
Zinc (Zn), EDTA-chelated, soluble in water	0.016%

Density: 1, 32 gr/cc
Ph: 6-7
Colour: Green
Formulation: GEL

CHARACTERISTICS

Eco Gel N 42+te It is a nitrogen fertilizer that contains nitrogen in its three forms: ureic, ammonia and nitric, allowing a very wide spectrum of solutions for its use and assimilation by the crop. It is a productwidely used in the winter cereal cover since, by providing the three forms of nitrogen, in an early application, all the nitrogen that the crop requires is supplied so that, in certain cases, it allows a single application.

RECOMMENDATIONS

Eco Gel N42+te is a single-tank mix **GEL** providing plants with all the necessary nutrients.

Eco Gel N42+te can be mixed with calcium nitrate without the risk of precipitation.

Fertigation: The recommended concentration of **Eco Gel N42+te** in feed solutions varies from 0.5 to 2 g/l (0.05 – 0.2%). The balanced formulation is best suited for applications during vegetative crop development.
Foliar spray: Although the product is mainly used for fertigation, it is also possible to use it as a foliar spray. Apply 2 – 4 kg/ha/application. Use in sufficient water volume to guarantee full coverage of the foliage.

ECO GEL

N SUL NS GEL – low pH

COMPOSITION

Specifications	W/V
Total Nitrogen (N)	**35 %**
Nitric Nitrogen	**6.8 %**
Ammoniacal Nitrogen	**14.6 %**
Ureic Nitrogen	**13.6 %**
Sulphur Trioxide (SO^3), soluble in water	**30.0 %**

Density: 1,38 gr/cc
Ph: 3-4
Colour: Yelllow
Formulation: GEL

DESCRIPTION

N SUL NS GEL is a solution in **GEL** formulation that helps increase yield by satisfying the essential nitrogen and sulfur needs of crops. It contains 35% nitrogen (N w/V) and 30% sulfur trioxide (SO3 w/V) and is the most popular sulfur-containing product used in the fertilizer industry. Each liter of **N SUL NS GEL** provides 350 grams of nitrogen (N) and 300 grams of sulfur thiosulfate (SO3).

BENEFITS

- A highly efficient liquid source of nitrogen and sulfur without chloride, essential for all crops.
- Provides fast-available, long-release sulfur.
- Improves the availability and absorption of phosphorus and micronutrients by the crop.
- Excellent inhibitor of urease and nitrification.
- Reduces the alkalinity of the soil.
- Improves soil aeration.
- Helps facilitate the decomposition of crop residues.

APLICATION FORM

N SUL NS GEL can be applied by drip, sprinkler or flood irrigation, as well as broadcast, strip, soil injection and liquid fertilizer nozzles.

ECO GEL

N SUL NS LIQUIT – neutral pH

COMPOSITION

Specifications	W/V
Total Nitrogen (N)	**35 %**
Nitric Nitrogen	**6.8 %**
Ammoniacal Nitrogen	**14.6 %**
Ureic Nitrogen	**13.6 %**
Sulphur Trioxide (SO^3), soluble in water	**30.0 %**

Density: 1,3 gr/cc
Ph: 6-7
Colour: Yelllow
Formulation: Liquit

DESCRIPTION

N SUL NS LIQUIT is a solution in **LIQUIT** formulation that helps increase yield by satisfying the essential nitrogen and sulfur needs of crops. It contains 35% nitrogen (N w/V) and 30% sulfur trioxide (SO3 w/V) and is the most popular sulfur-containing product used in the fertilizer industry. Each liter of **N SUL NS LIQUIT** provides 350 grams of nitrogen (N) and 300 grams of sulfur thiosulfate (SO3).

BENEFITS

- A highly efficient liquid source of nitrogen and sulfur without chloride, essential for all crops.
- Provides fast-available, long-release sulfur.
- Improves the availability and absorption of phosphorus and micronutrients by the crop.
- Excellent inhibitor of urease and nitrification.
- Reduces the alkalinity of the soil.
- Improves soil aeration.
- Helps facilitate the decomposition of crop residues.

APLICATION FORM

N SUL NS LIQUIT can be applied by drip, sprinkler or flood irrigation, as well as broadcast, strip, soil injection and liquid fertilizer nozzles.

ECO GEL CALCIPHOS

NP 9-64-0 + 11%CaO + 1% MgO + B + Zn +te – low pH

COMPOSITION

Specifications	W/W	W/V
Total Nitrogen (N)	**5.50 %**	**9.00 %**
Nitric Nitrogen (N-NO3)	**0.50 %**	**0.80 %**
Ureic Nitrogen (N-NH2)	**5.00 %**	**8.20 %**
Phosphorus Pentoxide (P2O5), soluble in water	**39.30 %**	**64.00 %**
Calcium Oxide (CaO), soluble in water:	**6.75 %**	**11.00 %**
Magnesium Oxide (MgO), soluble in water	**0.60 %**	**1.00 %**
Boron (B), soluble in water	**0.11 %**	**0.18 %**
Zinc (Zn), EDTA-chelated, soluble in water	**0.34 %**	**0.56 %**

Density: 1,63 gr/cc
Ph: 2-3
Colour: White
Formulation: GEL

CHARACTERISTICS

- NP fertilizer combining high levels of phosphorous with calcium and trace elements.
- Designed for critical growth stages such as tuber initiation in potato and flower preparation, fruit growth in fruit trees, tillering and preventing lodging in wheat.
- Decreases fruit decay and increases firmness, shelf-life resistance to mechanical damage and pest attacks.
- Enhances plant vigour, number of marketable fruits and yield.
- Additional calcium fertilization by decreasing soil pH.

RECOMMENDATIONS

Foliar application: Apply 2 – 5 kg/ha/application. Never exceed a concentration of 0.5% (5 g/l of water). Always use in sufficient water volume to guarantee full coverage of the foliage. Do not apply during very hot weather or on crops under water stress. The best application time is early morning or in the evening when the moisture is high in the plant.

Field crops (cereals, sugar beet, cotton, etc..): Apply after germination on crops with 4 - 6 leaves; repeat during the tillering in the case of cereals.

Potatoes: Apply during tuber initiation stage; repeat during the beginning of tuber development stage and 10 days later.

Vegetables: Apply twice after transplanting till first flowers appear. Repeat during the fruit development stage and during the formation of new flowers (tomato, cucumber, strawberries, etc…).

Fruit trees: Apply before flower opening; repeat after fruit set, during fruit development stage and at post-harvest.

ECO GEL

NPK 5-45-50+te - low pH

COMPOSITION

Specifications	W/W	W/V
Total Nitrogen (N)	2,94 %	5.00 %
Ureic Nitrogen (N-NH2)	1,92 %	3,27 %
Ammoniacal Nitrogen (N-NH4)	1,01 %	1,73 %
Phosphorus Pentoxide (P2O5), soluble in water	26,4 %	45.00 %
Potassium Oxide (K2O), soluble in water	29,4 %	50.00 %
Boron (B), soluble in water	0.010 %	0.016 %
Copper (Cu), EDTA-chelated, soluble in water	0.002 %	0.003 %
Iron (Fe), EDTA-chelated, soluble in water	0.050 %	0.082 %
Manganese (Mn), EDTA-chelated, soluble in water	0.025 %	0.041 %
Molybdenum (Mo), soluble in water	0.002 %	0.003 %
Zinc (Zn), EDTA-chelated, soluble in water	0.010 %	0.016 %

Density: 1,7 gr/cc
Ph: 2-3
Colour: Red
Formulation: GEL

CHARACTERISTICS

- NPK formulation with very high phosphorous content with trace elements developed for foliar application.
- Suited for crucial times of phosphorous need during the growth cycle such as root development, flowering and fruit setting.
- Fully soluble in water and easy use.
- The low pH of **Eco Gel 5-45-50 +Te** makes it the ideal complement to pesticide applicationto safeguard the efficiency of agrochemicals in hard water conditions.

RECOMMENDATIONS

Foliar application: Apply 2 – 5 kg/ha/application. Never exceed a concentration of 0.5% (5 g/l of water). Always use in sufficient water volume to guarantee full coverage of the foliage. Do not apply during very hot weather or on crops under water stress. The best application time is early morning or in the evening when the moisture is high in the plant.

Field crops (cereals, sugar beet, oil seed rape, cotton, etc..): Apply after germination on crops with 4 - 6 leaves; repeat before tillering for cereals.

Potatoes: Apply during the tuber initiation; repeat during the beginning of tuber development stage and 10 days later.

Vegetables: Perform 1 - 2 applications after transplanting till first flowers. Repeat on regular basis during the formation of new flowers (tomato, cucumber, strawberries).

ECO GEL

NPK 5-70-5+te - low ph

COMPOSITION

Specifications	W/W	W/V
Total Nitrogen (N)	**3.2 %**	**5.00 %**
Ureic Nitrogen (N-NH2)	**3.2 %**	**5.00 %**
Phosphorus Pentoxide (P2O5), soluble in water	**44.87 %**	**70.00 %**
Potassium Oxide (K2O), soluble in water	**3.20 %**	**5.00 %**
Boron (B), soluble in water	**0.010 %**	**0.016 %**
Copper (Cu), EDTA-chelated, soluble in water	**0.002 %**	**0.003 %**
Iron (Fe), EDTA-chelated, soluble in water	**0.050 %**	**0.082 %**
Manganese (Mn), EDTA-chelated, soluble in water	**0.025 %**	**0.041 %**
Molybdenum (Mo), soluble in water	**0.002 %**	**0.003 %**
Zinc (Zn), EDTA-chelated, soluble in water	**0.010 %**	**0.016 %**

Density: 1,56 gr/cc
Ph: 2-3
Colour: Dark Green
Formulation: GEL

CHARACTERISTICS

- NPK formulation with very high phosphorous content with trace elements developed for foliar application.
- Suited for crucial times of phosphorous need during the growth cycle such as root development, flowering and fruit setting.
- Fully soluble in water and easy use.
- The low pH of **Eco Gel 5-70-5+Te** makes it the ideal complement to pesticide application to safeguard the efficiency of agrochemicals in hard water conditions.

RECOMMENDATIONS

Foliar application: Apply 2 – 5 kg/ha/application. Never exceed a concentration of 0.5% (5 g/l of water). Always use in sufficient water volume to guarantee full coverage of the foliage. Do not apply during very hot weather or on crops under water stress. The best application time is early morning or in the evening when the moisture is high in the plant.

Field crops (cereals, sugar beet, oil seed rape, cotton, etc..): Apply after germination on crops with 4 - 6 leaves; repeat before tillering for cereals.

Potatoes: Apply during the tuber initiation; repeat during the beginning of tuber development stage and 10 days later.

Vegetables: Perform 1 - 2 applications after transplanting till first flowers. Repeat on regular basis during the formation of new flowers (tomato, cucumber, strawberries).

ECO GEL PKS

NPK 6-47-44 + 4,5% CaO + 13,7% SO^3 + te – low pH

COMPOSITION

Specifications	W/W	W/V
Total Nitrogen (N)	3.4 %	6.0 %
Nitric Nitrogen (N-NO3)	3.4 %	6.0 %
Phosphorus Pentoxide (P2O5), soluble in water	27.2 %	47.6 %
Potassium Oxide (K2O), soluble in water	25.3 %	44.3 %
Calcium Oxide (CaO), soluble in water	2.6 %	4.5 %
Sulphur Trioxide (SO3), soluble in water	7.8 %	13.7 %
Boron (B), soluble in water	0.01 %	0.018 %
Copper (Cu), EDTA-chelated, soluble in water	0.002 %	0.004 %
Iron (Fe), EDTA-chelated, soluble in water	0.05 %	0.088 %
Manganese (Mn), EDTA-chelated, soluble in water	0.025 %	0.044 %
Molybdenum (Mo), soluble in water	0.002 %	0.004 %
Zinc (Zn), EDTA-chelated, soluble in water	0.010 %	0.018 %

Density: 1, 75 gr/cc
Ph: 2-3
Colour: Orange
Formulation: GEL

CHARACTERISTICS

- NPK formula with micronutrients combined with high content of phosphorus, potassium, calcium and sulfur.
- Specifically designed as a 'starter' and 'finisher'.
- Increases fruit quality, colour, sugar content, shelf-life and the flowering rate.
- Suited to activate root development after transplanting or after germination.
- Fully soluble in water and easy to use.

RECOMMENDATIONS

Foliar application: Apply 2 – 5 kg/ha/application. Never exceed a concentration of 0.5% (5 g/l of water). Always use in sufficient water volume to guarantee full coverage of the foliage. Do not apply during very hot weather or on crops under water stress. The best application time is early morning or in the evening when the moisture is high in the plant.

Vegetables: Spray 1 week after transplanting and repeat after fruit set and during the fruit growth. Cereals: Apply before tillering and before flowering.

Industrial crops (cotton, sugar beet, etc…): Apply at the beginning of vegetative growth and repeat on green boll or tuber bulking.

Fruit trees: Apply before flowering for citrus, grapes and after fruit setting for apple, pears, peaches, etc…

ECO GEL

NPK 9-9-39 + 6,7% MgO + te – low pH

COMPOSITION

Specifications	W/W	W/V
Total Nitrogen (N)	5.10 %	9.00 %
Ureic Nitrogen (N-NH2)	5.10 %	9.00 %
Phosphorus Pentoxide (P2O5), soluble in water	5.40 %	9.00 %
Potassium Oxide (K2O), soluble in water	22.00 %	39.00 %
Magnesium Oxide (MgO), soluble in water	3.80 %	6.60 %
Sulphur Trioxide (SO3), soluble in water	30.80 %	53.90 %
Boron (B), soluble in water	0.010 %	0.017 %
Copper (Cu), EDTA-chelated, soluble in water	0.002 %	0.003 %
Iron (Fe), EDTA-chelated, soluble in water	0.050 %	0.087 %
Manganese (Mn), EDTA-chelated, soluble in water	0.025 %	0.044 %
Molybdenum (Mo), soluble in water	0.002 %	0.003 %
Zinc (Zn), EDTA-chelated, soluble in water	0.010 %	0.017 %

Density: 1, 75 gr/cc
Ph: 2
Colour: Yellow
Formulation: GEL

CHARACTERISTICS

- NPK formula with micronutrients combined with high levels of potassium, magnesium and sulfur.
- Specifically designed for Brassicaceae crops. Fully soluble in water and easy use.
- Suited for other horticultural and agricultural crops during the fruit development and maturation stages.
- Enhances plant growth, head diameter and yield.

RECOMMENDATIONS

Foliar application: Apply 2 – 5 kg/ha/application. Never exceed a concentration of 0.5% (5 g/l of water). Always use in sufficient water volume to guarantee full coverage of the foliage. Do not apply during very hot weather or on crops under water stress. The best application time is early morning or in the evening when the moisture is high in the plant.
Field crops (cereals, sugar beet, cotton, etc...): Apply during the beginning of the maturation stage.
Oil seed rape: Apply at the stage of free buds (Stage D2); repeat after flowering (Stage E) and during pods development (Stage G).
Potatoes: Apply during the tuber bulking stage alternating with balanced formulations; repeat with 10 – 14 day intervals.
Vegetables: Apply on green fruits till the beginning of fruit maturity.
Fruit trees: Apply on green fruits till the beginning of the fruit coloration.

ECO GEL

NPK 10-50-10+te - low pH

COMPOSITION

Specifications	W/W	W/V
Total Nitrogen (N)	**6.94 %**	**10.00 %**
Ureic Nitrogen (N-NH2)	**1,73 %**	**2,50 %**
Ammoniacal Nitrogen (N-NH4)	**1,73 %**	**1,73 %**
Phosphorus Pentoxide (P2O5), soluble in water	**34.72 %**	**50.00 %**
Potassium Oxide (K2O), soluble in water	**3.47 %**	**5.00 %**
Boron (B), soluble in water	**0.010 %**	**0.016 %**
Copper (Cu), EDTA-chelated, soluble in water	**0.002 %**	**0.003 %**
Iron (Fe), EDTA-chelated, soluble in water	**0.050 %**	**0.082 %**
Manganese (Mn), EDTA-chelated, soluble in water	**0.025 %**	**0.041 %**
Molybdenum (Mo), soluble in water	**0.002 %**	**0.003 %**
Zinc (Zn), EDTA-chelated, soluble in water	**0.010 %**	**0.016 %**

Density: 1,44 gr/cc
Ph: 2-3
Colour: Yellow
Formulation: GEL

CHARACTERISTICS

- NPK formulation with very high phosphorous content with trace elements developed for foliar application.
- Suited for crucial times of phosphorous need during the growth cycle such as root development, flowering and fruit setting.
- Fully soluble in water and easy use.
- The low pH of **Eco Gel 10-50-10+Te** makes it the ideal complement to pesticide application to safeguard the efficiency of agrochemicals in hard water conditions.

RECOMMENDATIONS

Foliar application: Apply 2 – 5 kg/ha/application. Never exceed a concentration of 0.5% (5 g/l of water). Always use in sufficient water volume to guarantee full coverage of the foliage. Do not apply during very hot weather or on crops under water stress. The best application time is early morning or in the evening when the moisture is high in the plant.

Field crops (cereals, sugar beet, oil seed rape, cotton, etc..): Apply after germination on crops with 4 - 6 leaves; repeat before tillering for cereals.

Potatoes: Apply during the tuber initiation; repeat during the beginning of tuber development stage and 10 days later.

Vegetables: Perform 1 - 2 applications after transplanting till first flowers. Repeat on regular basis during the formation of new flowers (tomato, cucumber, strawberries, etc…).

ECO GEL

NPK 10-6-30+27%SO^3 + te – low pH

COMPOSITION

Specifications	W/W	W/V
Total Nitrogen (N)	6.89 %	10.00 %
Nitric Nitrogen (N-NO3)	1.72 %	2.5 %
Ammoniacal Nitrogen (N-NO)	3.44 %	5.0 %
Ureic Nitrogen (N-NH2)	1.72 %	2.5 %
Phosphorus Pentoxide (P2O5), soluble in water	4.13 %	6.00 %
Potassium Oxide (K2O), soluble in water	13.79 %	30.00 %
Sulphur Trioxide (SO3), soluble in water	18.6 %	27.0 %
Boron (B), soluble in water	0.010 %	0.018 %
Copper (Cu), EDTA-chelated, soluble in water	0.002 %	0.004 %
Iron (Fe), EDTA-chelated, soluble in water	0.050 %	0.090 %
Manganese (Mn), EDTA-chelated, soluble in water	0.020 %	0.045 %
Molybdenum (Mo), soluble in water	0.002 %	0.004 %
Zinc (Zn), EDTA-chelated, soluble in water	0.010 %	0.018 %

Density: 1,45 gr/cc
Ph: 3-4
Colour: Red
Formulation: GEL

CHARACTERISTICS

- NPK formulation with very high potassium content with trace elements.
- Suited for crucial stages such as fruit development and maturation.
- Promotes fruit ripening and improves yield and crop quality.
- Enhances colour, sugar content and fruit hardness.
- Fully soluble in water and easy to use.

RECOMMENDATIONS

Foliar application: Apply 2 – 5 kg/ha/application. Never exceed a concentration of 0.5% (5 g/l of water). Always use in sufficient water volume to guarantee full coverage of the foliage. Do not apply during very hot weather or on crops under water stress. The best application time is early morning or in the evening when the moisture is high in the plant.
Field crops (cereals, sugar beet, cotton, etc..): Apply during the beginning of the maturation stage.
Potatoes: Apply during the tuber bulking stage alternating with balanced formulations; repeat with 10 – 14 day intervals.
Vegetables: Apply on green fruits till the beginning of fruit maturity.

ECO GEL

NPK 10-70-5+te - low ph

COMPOSITION

Specifications	W/W	W/V
Total Nitrogen (N)	**6.4 %**	**10.00 %**
Ureic Nitrogen (N-NH2)	**6.4 %**	**10.00 %**
Phosphorus Pentoxide (P2O5), soluble in water	**44.87 %**	**70.00 %**
Potassium Oxide (K2O), soluble in water	**3.20 %**	**5.00 %**
Boron (B), soluble in water	**0.010 %**	**0.016 %**
Copper (Cu), EDTA-chelated, soluble in water	**0.002 %**	**0.003 %**
Iron (Fe), EDTA-chelated, soluble in water	**0.050 %**	**0.082 %**
Manganese (Mn), EDTA-chelated, soluble in water	**0.025 %**	**0.041 %**
Molybdenum (Mo), soluble in water	**0.002 %**	**0.003 %**
Zinc (Zn), EDTA-chelated, soluble in water	**0.010 %**	**0.016 %**

Density: 1,56 gr/cc
Ph: 2-3
Colour: Dark Green
Formulation: GEL

CHARACTERISTICS

- NPK formulation with very high phosphorous content with trace elements developed for foliar application.
- Suited for crucial times of phosphorous need during the growth cycle such as root development, flowering and fruit setting.
- Fully soluble in water and easy use.
- The low pH of **Eco Gel 10-70-5+Te** makes it the ideal complement to pesticide application to safeguard the efficiency of agrochemicals in hard water conditions.

RECOMMENDATIONS

Foliar application: Apply 2 – 5 kg/ha/application. Never exceed a concentration of 0.5% (5 g/l of water). Always use in sufficient water volume to guarantee full coverage of the foliage. Do not apply during very hot weather or on crops under water stress. The best application time is early morning or in the evening when the moisture is high in the plant.

Field crops (cereals, sugar beet, oil seed rape, cotton, etc..): Apply after germination on crops with 4 - 6 leaves; repeat before tillering for cereals.

Potatoes: Apply during the tuber initiation; repeat during the beginning of tuber development stage and 10 days later.

Vegetables: Perform 1 - 2 applications after transplanting till first flowers. Repeat on regular basis during the formation of new flowers (tomato, cucumber, strawberries, etc…).

ECO GEL

NPK 12-44-12 + 6% CaO + 3% MgO + te – low pH

COMPOSITION

	W/W	W/V
Nitrogen Total (N)	**7.40%**	**12%**
Nitrate Nitrogen (N-NO3)	**3.60%**	**5.7%**
Urea Nitrogen (N-NH2)	**3.80%**	**6.3%**
Phosphorus Pentoxide (P2O5), soluble in water	**27.00%**	**44%**
Potassium Oxide (K2O), soluble in water	**7.40%**	**12%**
Calcium Oxide (CaO)	**3.90%**	**6%**
Magnesium Oxide (MgO)	**2.00%**	**3%**
Boron (B), soluble in water	**0.010%**	**0.016%**
Copper (Cu), EDTA-chelated, soluble in water	**0.002%**	**0.003%**
Iron (Fe), EDTA-chelated, soluble in water	**0.050%**	**0.080%**
Manganese (Mn), EDTA-chelated, soluble in water	**0.020%**	**0.032%**
Molybdenum (Mo), soluble in water	**0.002%**	**0.003%**
Zinc (Zn), EDTA-chelated, soluble in water	**0.010%**	**0.016%**

Density: 1, 62 gr/cc
Ph: 2-3
Colour: White
Formulation: GEL

CHARACTERISTICS

Eco Gel NPK 12-44-12 + 6% CaO + 3% MgO + TE is a high phosphorus formulation combining NPK with calcium, magnesium and trace elements in a water-soluble form. It has both high levels of NPK and high levels of calcium without any risk of precipitation. With its high solubility and low pH, it will keep irrigation equipment clean and will decrease the risk of clogging. The product will have its highest efficiencyin alkaline and saline soils as it will replace sodium, release calcium and overall increase the soil structure for your crop.
Use primarily during root development or flowering when phosphorus is the main nutrient to supply.

RECOMMENDATIONS

Eco Gel NPK 12-44-12 + 6% CaO + 3% MgO + TE is a single-tank mix GEL providing plants with allthe necessary nutrients. **Eco Gel NPK 12-44-12 + 6% CaO + 3% MgO + TE** can be mixed with calcium nitrate without the risk of precipitation. Do not mix with other NPK, phosphate and/or sulphate containing fertilizers. When mixing with other chemicals, it is recommended to perform small scale trials before using on a large scale.
Fertigation: The recommended concentration of **Eco Gel NPK 12-44-12 + 6% CaO + 3% MgO + TE**in feed solutions varies from 0.5 to 2 g/l (0.05 – 0.2%). The high phosphorous formulation is best suited forroot development (tuber initiation in potato, after transplanting vegetables, beginning root activity of fruittrees), during tillering of wheat and during flower initiation.
Foliar spray: Although the product is mainly used for fertigation, it is also possible to use it as a foliar spray. Apply 2 – 4 kg/ha/application. Use in sufficient water volume to guarantee full coverage of the foliage.

ECO GEL

NPK 14-7-17+14%CaO+te- neutral pH

COMPOSITION

Specifications	W/W	W/V
Total Nitrogen (N)	9.65 %	14.00 %
Phosphorus Pentoxide (P2O5), soluble in water	4.82 %	7.00 %
Potassium Oxide (K2O), soluble in water	9.65 %	14.00%
Calcium Oxide (CaO), soluble in water:	9.65 %	14.00 %
Boron (B), soluble in water	0.60 %	1.00 %
Copper (Cu), EDTA-chelated, soluble in water	0.11 %	0.18 %
Iron (Fe), EDTA-chelated, soluble in water	0.34 %	0.56 %
Manganese (Mn), EDTA-chelated, soluble in water	0.02%	0.032%
Molybdenum (Mo), soluble in water	0.02%	0.003%
Zinc (Zn), EDTA-chelated, soluble in water	0.02%	0.016%

Density: 1,45 gr/cc
Ph: 6-7
Colour: White
Formulation: GEL

CHARACTERISTICS

- NP fertilizer combining high levels of phosphorous with calcium and trace elements.
- Designed for critical growth stages such as tuber initiation in potato and flower preparation, fruit growth in fruit trees, tillering and preventing lodging in wheat.
- Decreases fruit decay and increases firmness, shelf-life resistance to mechanical damage and pest attacks.
- Enhances plant vigour, number of marketable fruits and yield.
- Additional calcium fertilization by decreasing soil pH.

RECOMMENDATIONS

Foliar application: Apply 2 – 5 kg/ha/application. Never exceed a concentration of 0.5% (5 g/l of water). Always use in sufficient water volume to guarantee full coverage of the foliage. Do not apply during very hot weather or on crops under water stress. The best application time is early morning or in the evening when the moisture is high in the plant.

Field crops (cereals, sugar beet, cotton, etc..): Apply after germination on crops with 4 - 6 leaves; repeat during the tillering in the case of cereals.

Potatoes: Apply during tuber initiation stage; repeat during the beginning of tuber development stage and 10 days later.

Vegetables: Apply twice after transplanting till first flowers appear. Repeat during the fruit development stage and during the formation of new flowers (tomato, cucumber, strawberries, etc…).

ECO GEL

NPK 15-5-30+27%SO^3 + te – low pH

COMPOSITION

Specifications	W/W	W/V
Total Nitrogen (N)	**10.30 %**	**15.00 %**
Nitric Nitrogen (N-NO3)	**7.10 %**	**10.3 %**
Ammoniacal Nitrogen (N-NO)	**1.07 %**	**1.5 %**
Ureic Nitrogen (N-NH2)	**2.20 %**	**3.2 %**
Phosphorus Pentoxide (P2O5), soluble in water	**3.45 %**	**5.00 %**
Potassium Oxide (K2O), soluble in water	**13.79 %**	**30.00 %**
Sulphur Trioxide (SO3), soluble in water	**18.6 %**	**27.0 %**
Boron (B), soluble in water	**0.010 %**	**0.018 %**
Copper (Cu), EDTA-chelated, soluble in water	**0.002 %**	**0.004 %**
Iron (Fe), EDTA-chelated, soluble in water	**0.050 %**	**0.090 %**
Manganese (Mn), EDTA-chelated, soluble in water	**0.020 %**	**0.045 %**
Molybdenum (Mo), soluble in water	**0.002 %**	**0.004 %**
Zinc (Zn), EDTA-chelated, soluble in water	**0.010 %**	**0.018 %**

Density: 1,45 gr/cc
Ph: 3-4
Colour: Red
Formulation: GEL

CHARACTERISTICS

- NPK formulation with very high potassium content with trace elements.
- Suited for crucial stages such as fruit development and maturation.
- Promotes fruit ripening and improves yield and crop quality.
- Enhances colour, sugar content and fruit hardness.
- Fully soluble in water and easy to use.

RECOMMENDATIONS

Foliar application: Apply 2 – 5 kg/ha/application. Never exceed a concentration of 0.5% (5 g/l of water). Always use in sufficient water volume to guarantee full coverage of the foliage. Do not apply during very hot weather or on crops under water stress. The best application time is early morning or in the evening when the moisture is high in the plant.
Field crops (cereals, sugar beet, cotton, etc..): Apply during the beginning of the maturation stage.
Potatoes: Apply during the tuber bulking stage alternating with balanced formulations; repeat with 10 – 14 day intervals.
Vegetables: Apply on green fruits till the beginning of fruit maturity.

ECO GEL

NPK 16-69-16+te- low pH

COMPOSITION

Specifications	W/W	W/V
Total Nitrogen (N)	9.70 %	16.00 %
Ammoniacal Nitrogen (N-NH4)	2.50 %	4.10 %
Ureic Nitrogen (N-NH2)	7.20 %	11.90 %
Phosphorus Pentoxide (P2O5), soluble in water	42.00 %	69.00 %
Potassium Oxide (K2O), soluble in water	9.70 %	16.00 %
Boron (B), soluble in water	0.010 %	0.016 %
Copper (Cu), EDTA-chelated, soluble in water	0.002 %	0.003 %
Iron (Fe), EDTA-chelated, soluble in water	0.050 %	0.082 %
Manganese (Mn), EDTA-chelated, soluble in water	0.025 %	0.041 %
Molybdenum (Mo), soluble in water	0.002 %	0.003 %
Zinc (Zn), EDTA-chelated, soluble in water	0.010 %	0.016 %

Density: 1,64 gr/cc
Ph: 2-3
Colour: Blue
Formulation: GEL

CHARACTERISTICS

- NPK formulation with very high phosphorous content with trace elements developed for foliar application.
- Suited for crucial times of phosphorous need during the growth cycle such as root development, flowering and fruit setting.
- Fully soluble in water and easy use.
- The low pH of **Eco Gel 16-69-16+Te** makes it the ideal complement to pesticide application to safeguard the efficiency of agrochemicals in hard water conditions.

RECOMMENDATIONS

Foliar application: Apply 2 – 5 kg/ha/application. Never exceed a concentration of 0.5% (5 g/l of water). Always use in sufficient water volume to guarantee full coverage of the foliage. Do not apply during very hot weather or on crops under water stress. The best application time is early morning or in the evening when the moisture is high in the plant.

Field crops (cereals, sugar beet, oil seed rape, cotton, etc..): Apply after germination on crops with 4 - 6 leaves; repeat before tillering for cereals.

Potatoes: Apply during the tuber initiation; repeat during the beginning of tuber development stage and 10 days later.

Vegetables: Perform 1 - 2 applications after transplanting till first flowers. Repeat on regular basis during the formation of new flowers (tomato, cucumber, strawberries, etc…).

ECO GEL

NPK 17-69-17+te - low ph

COMPOSITION

Specifications	W/W	W/V
Total Nitrogen (N)	**9,44 %**	**17.00 %**
Ammoniacal Nitrogen (N-NH4)	**2.27 %**	**4.10 %**
Ureic Nitrogen (N-NH2)	**7.10 %**	**12.792 %**
Phosphorus Pentoxide (P2O5), soluble in water	**38.33 %**	**69.00 %**
Potassium Oxide (K2O), soluble in water	**9.44 %**	**17.00 %**
Boron (B), soluble in water	**0.010 %**	**0.016 %**
Copper (Cu), EDTA-chelated, soluble in water	**0.002 %**	**0.003 %**
Iron (Fe), EDTA-chelated, soluble in water	**0.050 %**	**0.082 %**
Manganese (Mn), EDTA-chelated, soluble in water	**0.025 %**	**0.041 %**
Molybdenum (Mo), soluble in water	**0.002 %**	**0.003 %**
Zinc (Zn), EDTA-chelated, soluble in water	**0.010 %**	**0.016 %**

Density: 1,8 gr/cc
Ph: 2-3
Colour: Blue
Formulation: GEL

CHARACTERISTICS

- NPK formulation with very high phosphorous content with trace elements developed for foliar application.
- Suited for crucial times of phosphorous need during the growth cycle such as root development, flowering and fruit setting.
- Fully soluble in water and easy use.
- The low pH of **Eco Gel 17-69-17+Te** makes it the ideal complement to pesticide application to safeguard the efficiency of agrochemicals in hard water conditions.

RECOMMENDATIONS

Foliar application: Apply 2 – 5 kg/ha/application. Never exceed a concentration of 0.5% (5 g/l of water). Always use in sufficient water volume to guarantee full coverage of the foliage. Do not apply during very hot weather or on crops under water stress. The best application time is early morning or in the evening when the moisture is high in the plant.

Field crops (cereals, sugar beet, oil seed rape, cotton, etc..): Apply after germination on crops with 4 - 6 leaves; repeat before tillering for cereals.

Potatoes: Apply during the tuber initiation; repeat during the beginning of tuber development stage and 10 days later.

Vegetables: Perform 1 - 2 applications after transplanting till first flowers. Repeat on regular basis during the formation of new flowers (tomato, cucumber, strawberries, etc…).

ECO GEL

NPK 17-80-17+te - low pH

COMPOSITION

Specifications	W/W	W/V
Total Nitrogen (N)	**9.44 %**	**17.00 %**
Ureic Nitrogen (N-NH2)	**2.95 %**	**5,31 %**
Ammoniacal Nitrogen (N-NH4)	**6.83 %**	**12,31 %**
Phosphorus Pentoxide (P2O5), soluble in water	**44.44 %**	**80.00 %**
Potassium Oxide (K2O), soluble in water	**9.44 %**	**17.00 %**
Boron (B), soluble in water	**0.010 %**	**0.016 %**
Copper (Cu), EDTA-chelated, soluble in water	**0.002 %**	**0.003 %**
Iron (Fe), EDTA-chelated, soluble in water	**0.050 %**	**0.082 %**
Manganese (Mn), EDTA-chelated, soluble in water	**0.025 %**	**0.041 %**
Molybdenum (Mo), soluble in water	**0.002 %**	**0.003 %**
Zinc (Zn), EDTA-chelated, soluble in water	**0.010 %**	**0.016 %**

Density: 1,8 gr/cc
Ph: 2-3
Colour: Blue
Formulation: GEL

CHARACTERISTICS

- NPK formulation with very high phosphorous content with trace elements developed for foliar application.
- Suited for crucial times of phosphorous need during the growth cycle such as root development, flowering and fruit setting.
- Fully soluble in water and easy use.
- The low pH of **Eco Gel 17-80-17+Te** makes it the ideal complement to pesticide application to safeguard the efficiency of agrochemicals in hard water conditions.

RECOMMENDATIONS

Foliar application: Apply 2 – 5 kg/ha/application. Never exceed a concentration of 0.5% (5 g/l of water). Always use in sufficient water volume to guarantee full coverage of the foliage. Do not apply during very hot weather or on crops under water stress. The best application time is early morning or in the evening when the moisture is high in the plant.

Field crops (cereals, sugar beet, oil seed rape, cotton, etc..): Apply after germination on crops with 4 - 6 leaves; repeat before tillering for cereals.

Potatoes: Apply during the tuber initiation; repeat during the beginning of tuber development stage and 10 days later.

Vegetables: Perform 1 - 2 applications after transplanting till first flowers. Repeat on regular basis during the formation of new flowers (tomato, cucumber, strawberries, etc…).

ECO GEL

NPK 18-11-59 + 2%MgO + te – low pH

COMPOSITION

Specifications	W/W	W/V
Total Nitrogen (N)	10.00 %	18.00 %
Nitric Nitrogen (N-NO3)	4.20 %	7.60 %
Ureic Nitrogen (N-NH2)	5.80 %	10.40 %
Phosphorus Pentoxide (P2O5), soluble in water	6.00 %	11.00 %
Potassium Oxide (K2O), soluble in water	32.70 %	59.00 %
Magnesium Oxide (MgO), soluble in water	1.10 %	2.00 %
Boron (B), soluble in water	0.010 %	0.018 %
Copper (Cu), EDTA-chelated, soluble in water	0.002 %	0.004 %
Iron (Fe), EDTA-chelated, soluble in water	0.050 %	0.090 %
Manganese (Mn), EDTA-chelated, soluble in water	0.020 %	0.045 %
Molybdenum (Mo), soluble in water	0.002 %	0.004 %
Zinc (Zn), EDTA-chelated, soluble in water	0.010 %	0.018 %

Density: 1,8 gr/cc
Ph: 2-3
Colour: Red
Formulation: GEL

CHARACTERISTICS

- NPK formulation with very high potassium content with magnesium and trace elements.
- Suited for crucial stages such as fruit development and maturation.
- Promotes fruit ripening and improves yield and crop quality.
- Enhances colour, sugar content and fruit hardness.
- Fully soluble in water and easy to use.

RECOMMENDATIONS

Foliar application: Apply 2 – 5 kg/ha/application. Never exceed a concentration of 0.5% (5 g/l of water). Always use in sufficient water volume to guarantee full coverage of the foliage. Do not apply during very hot weather or on crops under water stress. The best application time is early morning or in the evening when the moisture is high in the plant.
Field crops (cereals, sugar beet, cotton, etc..): Apply during the beginning of the maturation stage.
Potatoes: Apply during the tuber bulking stage alternating with balanced formulations; repeat with 10 – 14 day intervals.
Vegetables: Apply on green fruits till the beginning of fruit maturity.

ECO GEL

NPK 18-9-36 + 6% CaO + 3% MgO + te – low pH

COMPOSITION

Specifications	W/W	W/V
Nitrogen Total (N)	11.25%	18%
Nitrate Nitrogen (N-NO3)	9.10%	14.4%
Urea Nitrogen (N-NH2)	2.15%	3.6%
Phosphorus Pentoxide (P2O5), soluble in water	5.70%	9%
Potassium Oxide (K2O), soluble in water	22.70%	36%
Calcium Oxide (CaO)	3.90%	6%
Magnesium Oxide (MgO)	2.00%	3%
Boron (B), soluble in water	0.010%	0.016%
Copper (Cu), EDTA-chelated, soluble in water	0.002%	0.003%
Iron (Fe), EDTA-chelated, soluble in water	0.050%	0.080%
Manganese (Mn), EDTA-chelated, soluble in water	0.020%	0.032%
Molybdenum (Mo), soluble in water	0.002%	0.003%
Zinc (Zn), EDTA-chelated, soluble in water	0.010%	0.016%

Density: 1, 6 gr/cc
Ph: 2-3
Colour: White
Formulation: GEL

CHARACTERISTICS

Eco Gel NPK 18-9-36 + 6% CaO + 3% MgO + TE is a high potassium formulation combining NPK with calcium, magnesium and trace elements in a water-soluble form. It has both high levels of NPK and high levels ofcalcium without any risk of precipitation.

With its high solubility and low pH, it will keep irrigation equipment clean and will decrease the risk of clogging. The product will have its highest efficiency in alkaline and saline soils as it will replace sodium, release calcium and overall increase the soil structure for your crop.

Use primarily during fruit development and maturation stages when potassium is the main nutrient to supply.

RECOMMENDATIONS

Eco Gel NPK 18-9-36 + 6% CaO + 3% MgO + TE is a single-tank mix **GEL** providing plants with all the necessary nutrients.

Eco Gel NPK 18-9-36 + 6% CaO + 3% MgO + TE can be mixed with calcium nitrate without the risk of precipitation. Do not mix with other NPK, phosphate and/or sulphate containing fertilizers.

When mixing with other chemicals, it is recommended to perform small scale trials before using on a large scale.

Fertigation: The recommended concentration of **Eco Gel NPK 18-9-36 + 6% CaO + 3% MgO + TE**in feed solutions varies from 0.5 to 2 g/l (0.05 – 0.2%). The high potassium formulation is best suited for applications during fruit growth and maturation.

Foliar spray: Although the product is mainly used for fertigation, it is also possible to use it as a foliar spray. Apply 2 – 4 kg/ha/application. Use in sufficient water volume to guarantee full coverage of the foliage.

ECO GEL

NPK 20-20-20 +te – low pH

COMPOSITION

Specifications	W/W	W/V
Total Nitrogen (N)	**13.3 %**	**20.00 %**
Nitric Nitrogen (N-NO3)	**3.33 %**	**5.00 %**
Ureic Nitrogen (N-NH2)	**3.33 %**	**5.00 %**
Ammoniacal Nitrogen (N-NH1)	**6.67 %**	**10.00 %**
Phosphorus Pentoxide (P2O5), soluble in water	**13.3 %**	**20.00 %**
Potassium Oxide (K2O), soluble in water	**13.3 %**	**20.00 %**
Boron (B), soluble in water	**0.010 %**	**0.016 %**
Copper (Cu), EDTA-chelated, soluble in water	**0.002 %**	**0.003 %**
Iron (Fe), EDTA-chelated, soluble in water	**0.050 %**	**0.081 %**
Manganese (Mn), EDTA-chelated, soluble in water	**0.025 %**	**0.040 %**
Molybdenum (Mo), soluble in water	**0.002 %**	**0.003 %**
Zinc (Zn), EDTA-chelated, soluble in water	**0.010 %**	**0.016 %**

Density: 1, 5 gr/cc
Ph: 2-3
Colour: Green
Formulation: GEL

CHARACTERISTICS

- Balanced NPK formulation with magnesium and trace elements.
- Multipurpose formula to prevent deficiencies in general improving the nutritional status of the plant.
- Very high concentration of nutrients.
- Fully soluble in water and easy use.
- Can be used throughout the entire growth cycle.

RECOMMENDATIONS

Foliar application: Apply 2 – 5 kg/ha/application. Never exceed a concentration of 0.5% (5 g/l of water). Always use in sufficient water volume to guarantee full coverage of the foliage. Do not apply during very hot weather or on crops under water stress. The best application time is early morning or in the evening when the moisture is high in the plant.

Field crops (cereals, sugar beet, cotton, etc..): Apply during the beginning of the maturation stage.

Potatoes: Apply during the tuber bulking stage alternating with balanced formulations; repeat with 10 – 14 day intervals.

Vegetables: Apply on green fruits till the beginning of fruit maturity. Fruit trees: Apply on green fruits till the beginning of the fruit coloration.

ECO GEL

NPK 20-20-20 +5% Free AA +te – low pH

COMPOSITION

Specifications	W/W	W/V
Total Nitrogen (N)	13.3 %	20.00 %
Nitric Nitrogen (N-NO3)	3.33 %	5.00 %
Ureic Nitrogen (N-NH2)	3.33 %	5.00 %
Ammoniacal Nitrogen (N-NH1)	6.67 %	10.00 %
Phosphorus Pentoxide (P2O5), soluble in water	13.3 %	20.00 %
Potassium Oxide (K2O), soluble in water	13.3 %	20.00 %
Free Amino Ácids	3.33 %	5.00 %
Boron (B), soluble in water	0.010 %	0.016 %
Copper (Cu), EDTA-chelated, soluble in water	0.002 %	0.003 %
Iron (Fe), EDTA-chelated, soluble in water	0.050 %	0.081 %
Manganese (Mn), EDTA-chelated, soluble in water	0.025 %	0.040 %
Molybdenum (Mo), soluble in water	0.002 %	0.003 %
Zinc (Zn), EDTA-chelated, soluble in water	0.010 %	0.016 %

Density: 1, 5 gr/cc
Ph: 2-3
Colour: Brown
Formulation: GEL

CHARACTERISTICS

- Balanced NPK formulation with magnesium and trace elements.
- Multipurpose formula to prevent deficiencies in general improving the nutritional status of the plant.
- Very high concentration of nutrients.
- Fully soluble in water and easy use.
- Can be used throughout the entire growth cycle.

RECOMMENDATIONS

Foliar application: Apply 2 – 5 kg/ha/application. Never exceed a concentration of 0.5% (5 g/l of water). Always use in sufficient water volume to guarantee full coverage of the foliage. Do not apply during very hot weather or on crops under water stress. The best application time is early morning or in the evening when the moisture is high in the plant.

Field crops (cereals, sugar beet, cotton, etc..): Apply during the beginning of the maturation stage.

Potatoes: Apply during the tuber bulking stage alternating with balanced formulations; repeat with 10 – 14 day intervals.

Vegetables: Apply on green fruits till the beginning of fruit maturity. Fruit trees: Apply on green fruits till the beginning of the fruit coloration.

ECO GEL

NPK 20-20-20 + 6% CaO + 3% MgO + te – low pH

COMPOSITION

Specifications	W/W	w/v
Nitrogen Total (N)	13.20%	20%
Nitrate Nitrogen (N-NO3)	6.80%	10.3%
Urea Nitrogen (N-NH2)	6.40%	9.7%
Phosphorus Pentoxide (P2O5), soluble in water	13.20%	20%
Potassium Oxide (K2O), soluble in water	13.20%	20%
Calcium Oxide (CaO)	3.90%	6%
Magnesium Oxide (MgO)	2.00%	3%
Boron (B), soluble in water	0.010%	0.016%
Copper (Cu), EDTA-chelated, soluble in water	0.002%	0.003%
Iron (Fe), EDTA-chelated, soluble in water	0.050%	0.080%
Manganese (Mn), EDTA-chelated, soluble in water	0.020%	0.032%
Molybdenum (Mo), soluble in water	0.002%	0.003%
Zinc (Zn), EDTA-chelated, soluble in water	0.010%	0.016%

Density: 1, 52 gr/cc
Ph: 2-3
Colour: White
Formulation: GEL

CHARACTERISTICS

Eco Gel NPK 20-20-20 + 6 CaO + 3 MgO + TE is a balanced formulation combining NPK with calcium, magnesium and trace elements in a water-soluble form. It has both high levels of NPK and high levels of calcium without any risk of precipitation.
With its high solubility and low pH, it will keep irrigation equipment clean and will decrease the risk of clogging. The product will have its highest efficiency in alkaline and saline soils as it will replace sodium, release calcium and overall increase the soil structure for your crop.
Use primarily during vegetative growth when nitrogen is needed mostly.

RECOMMENDATIONS

Eco Gel NPK 20-20-20 + 6 CaO + 3 MgO + TE is a single-tank mix **GEL** providing plants with allthe necessary nutrients.
Eco Gel NPK 20-20-20 + 6 CaO + 3 MgO + TE can be mixed with calcium nitrate without the riskof precipitation.
Do not mix with other NPK, phosphate and/or sulphate containing fertilizers.
When mixing with other chemicals, it is recommended to perform small-scale trials before using on a large scale.

Fertigation: The recommended concentration of **Eco Gel NPK 20-20-20 + 6 CaO + 3 MgO + TE** infeed solutions varies from 0.5 to 2 g/l (0.05 – 0.2%). The balanced formulation is best suited for applications during vegetative crop development.
Foliar spray: Although the product is mainly used for fertigation, it is also possible to use it as a foliar spray. Apply 2 – 4 kg/ha/application. Use in sufficient water volume to guarantee full coverage of the foliage.

ECO GEL

NPK 23-23-23 +te – neutral pH

COMPOSITION

Specifications	W/W	W/V
Total Nitrogen (N)	15.3 %	23.00 %
Nitric Nitrogen (N-NO3)	3.83 %	5.75 %
Ureic Nitrogen (N-NH2)	7.67 %	11.50 %
Ammoniacal Nitrogen (N-NH1)	3.83 %	5.75%
Phosphorus Pentoxide (P2O5), soluble in water	15.3 %	23.00 %
Potassium Oxide (K2O), soluble in water	15.3 %	23.00 %
Boron (B), soluble in water	0.010 %	0.016 %
Copper (Cu), EDTA-chelated, soluble in water	0.002 %	0.003 %
Iron (Fe), EDTA-chelated, soluble in water	0.050 %	0.081 %
Manganese (Mn), EDTA-chelated, soluble in water	0.025 %	0.040 %
Molybdenum (Mo), soluble in water	0.002 %	0.003 %
Zinc (Zn), EDTA-chelated, soluble in water	0.010 %	0.016 %

Density: 1, 5 gr/cc
Ph: 6-7
Colour: Green
Formulation: GEL

CHARACTERISTICS

- Balanced NPK formulation with magnesium and trace elements.
- Multipurpose formula to prevent deficiencies in general improving the nutritional status of the plant.
- Very high concentration of nutrients.
- Fully soluble in water and easy use.
- Can be used throughout the entire growth cycle.

RECOMMENDATIONS

Foliar application: Apply 2 – 5 kg/ha/application. Never exceed a concentration of 0.5% (5 g/l of water). Always use in sufficient water volume to guarantee full coverage of the foliage. Do not apply during very hot weather or on crops under water stress. The best application time is early morning or in the evening when the moisture is high in the plant.

Field crops (cereals, sugar beet, cotton, etc..): Apply during the beginning of the maturation stage.

Potatoes: Apply during the tuber bulking stage alternating with balanced formulations; repeat with 10 – 14 day intervals.

Vegetables: Apply on green fruits till the beginning of fruit maturity. Fruit trees: Apply on green fruits till the beginning of the fruit coloration.

ECO GEL

NPK 23-23-23 +3, 5% Free AA +te – neutral pH

COMPOSITION

Specifications	W/W	W/V
Total Nitrogen (N)	15.3 %	23.00 %
Nitric Nitrogen (N-NO3)	3.83 %	5.75 %
Ureic Nitrogen (N-NH2)	7.67 %	11.50 %
Ammoniacal Nitrogen (N-NH1)	3.83 %	5.75%
Phosphorus Pentoxide (P2O5), soluble in water	15.3 %	23.00 %
Potassium Oxide (K2O), soluble in water	15.3 %	23.00 %
Free Amino acids	2.33 %	3.5 %
Boron (B), soluble in water	0.010 %	0.016 %
Copper (Cu), EDTA-chelated, soluble in water	0.002 %	0.003 %
Iron (Fe), EDTA-chelated, soluble in water	0.050 %	0.081 %
Manganese (Mn), EDTA-chelated, soluble in water	0.025 %	0.040 %
Molybdenum (Mo), soluble in water	0.002 %	0.003 %
Zinc (Zn), EDTA-chelated, soluble in water	0.010 %	0.016 %

Density: 1, 5 gr/cc
Ph: 6-7
Colour: Light Brown
Formulation: GEL

CHARACTERISTICS

- Balanced NPK formulation with magnesium and trace elements.
- Multipurpose formula to prevent deficiencies in general improving the nutritional status of the plant.
- Very high concentration of nutrients.
- Fully soluble in water and easy use.
- Can be used throughout the entire growth cycle.

RECOMMENDATIONS

Foliar application: Apply 2 – 5 kg/ha/application. Never exceed a concentration of 0.5% (5 g/l of water). Always use in sufficient water volume to guarantee full coverage of the foliage. Do not apply during very hot weather or on crops under water stress. The best application time is early morning or in the evening when the moisture is high in the plant.

Field crops (cereals, sugar beet, cotton, etc..): Apply during the beginning of the maturation stage.

Potatoes: Apply during the tuber bulking stage alternating with balanced formulations; repeat with 10 – 14 day intervals.

Vegetables: Apply on green fruits till the beginning of fruit maturity. Fruit trees: Apply on green fruits till the beginning of the fruit coloration.

ECO GEL

NPK 27-27-27 + 3%MgO + te – low pH

COMPOSITION

Specifications	W/W	W/V
Total Nitrogen (N)	**16.60 %**	**27.00 %**
Nitric Nitrogen (N-NO3)	**3.60 %**	**5.90 %**
Ureic Nitrogen (N-NH2)	**13.00 %**	**21.10 %**
Phosphorus Pentoxide (P2O5), soluble in water	**16.60 %**	**27.00 %**
Potassium Oxide (K2O), soluble in water	**16.60 %**	**27.00 %**
Magnesium Oxide (MgO), soluble in water	**2.00 %**	**3.30 %**
Boron (B), soluble in water	**0.010 %**	**0.016 %**
Copper (Cu), EDTA-chelated, soluble in water	**0.002 %**	**0.003 %**
Iron (Fe), EDTA-chelated, soluble in water	**0.050 %**	**0.081 %**
Manganese (Mn), EDTA-chelated, soluble in water	**0.025 %**	**0.040 %**
Molybdenum (Mo), soluble in water	**0.002 %**	**0.003 %**
Zinc (Zn), EDTA-chelated, soluble in water	**0.010 %**	**0.016 %**

Density: 1,63 gr/cc
Ph: 2-3
Colour: Green
Formulation: GEL

CHARACTERISTICS

- Balanced NPK formulation with magnesium and trace elements.
- Multipurpose formula to prevent deficiencies in general improving the nutritional status of the plant.
- Very high concentration of nutrients.
- Fully soluble in water and easy use.
- Can be used throughout the entire growth cycle.

RECOMMENDATIONS

Foliar application: Apply 2 – 5 kg/ha/application. Never exceed a concentration of 0.5% (5 g/l of water). Always use in sufficient water volume to guarantee full coverage of the foliage. Do not apply during very hot weather or on crops under water stress. The best application time is early morning or in the evening when the moisture is high in the plant.

Field crops (cereals, sugar beet, cotton, etc..): Apply during the beginning of the maturation stage.

Potatoes: Apply during the tuber bulking stage alternating with balanced formulations; repeat with 10 – 14 day intervals.

Vegetables: Apply on green fruits till the beginning of fruit maturity. Fruit trees: Apply on green fruits till the beginning of the fruit coloration.

ECO GEL

NPK 30-30-30 +te- neutral pH

COMPOSITION

Specifications	W/V
Nitrogen Total (N)	30%
Nitric Nitrogen (N-NO3)	7.5%
Ammoniacal Nitrogen (N-NH4)	7.5%
Urea Nitrogen (N-NH2)	15%
Phosphorus Pentoxide (P_2O_5), soluble in water	30%
Potassium Oxide (K_2O), soluble in water	30%
Boron (B), soluble in water	0.016%
Copper (Cu), EDTA-chelated, soluble in water	0.003%
Iron (Fe), EDTA-chelated, soluble in water	0.080%
Manganese (Mn), EDTA-chelated, soluble in water	0.032%
Molybdenum (Mo), soluble in water	0.003%
Zinc (Zn), EDTA-chelated, soluble in water	0.016%

Density: 1, 54 gr/cc
Ph: 6-7
Colour: Green
Formulation: GEL

CHARACTERISTICS

Eco Gel NPK 30-30-30+te is a balanced formulation combining NPK with free amino acids, and trace elements in a water-soluble form. It has both high levels of NPK and high levels of calcium without any risk of precipitation.
With its high solubility and low pH, it will keep irrigation equipment clean and will decrease the risk of clogging. The product will have its highest efficiency in alkaline and saline soils as it will replace sodium, release calcium and overall increase the soil structure for your crop.
Use primarily during vegetative growth when nitrogen is needed mostly.

RECOMMENDATIONS

Eco Gel NPK 30-30-30+te is a single-tank mix **GEL** providing plants with all the necessary nutrients.
Eco Gel NPK 30-30-30+te can be mixed with calcium nitrate without the risk of precipitation.

Fertigation: The recommended concentration of **Eco Gel NPK 30-30-30+te** in feed solutionsvaries from 0.5 to 2 g/l (0.05 – 0.2%). The balanced formulation is best suited for applications during vegetative crop development.
Foliar spray: Although the product is mainly used for fertigation, it is also possible to use it as a foliar spray. Apply 2 – 4 kg/ha/application. Use in sufficient water volume to guarantee full coverage of the foliage.

ECO GEL

PK 0-37-50+22%SO^3- low pH

COMPOSITION

Specifications	W/W	W/V
Phosphorus Pentoxide (P2O5), soluble in water	23.12 %	37.00 %
Potassium Oxide (K2O), soluble in water	31.25 %	50.00 %
Sulphur Trioxide (SO^3), soluble in water	13.75 %	22.00%
Boron (B), soluble in water	0.010 %	0.016 %
Copper (Cu), EDTA-chelated, soluble in water	0.002 %	0.003 %
Iron (Fe), EDTA-chelated, soluble in water	0.050 %	0.082 %
Manganese (Mn), EDTA-chelated, soluble in water	0.025 %	0.041 %
Molybdenum (Mo), soluble in water	0.002 %	0.003 %
Zinc (Zn), EDTA-chelated, soluble in water	0.010 %	0.016 %

Density: 1,6 gr/cc
Ph: 3-4
Colour: Red
Formulation: GEL

CHARACTERISTICS

- NPK formulation with very high phosphorous content with trace elements developed for foliar application.
- Suited for crucial times of phosphorous need during the growth cycle such as root development, flowering and fruit setting.
- Fully soluble in water and easy use.
- The low pH of **Eco Gel 0-37-50+22%SO^3 +Te** makes it the ideal complement to pesticide application to safeguard the efficiency of agrochemicals in hard water conditions.

RECOMMENDATIONS

Foliar application: Apply 2 – 5 kg/ha/application. Never exceed a concentration of 0.5% (5 g/l of water). Always use in sufficient water volume to guarantee full coverage of the foliage. Do not apply during very hot weather or on crops under water stress. The best application time is early morning or in the evening when the moisture is high in the plant.

Field crops (cereals, sugar beet, oil seed rape, cotton, etc..): Apply after germination on crops with 4 - 6 leaves; repeat before tillering for cereals.

Potatoes: Apply during the tuber initiation; repeat during the beginning of tuber development stage and 10 days later.

Vegetables: Perform 1 - 2 applications after transplanting till first flowers. Repeat on regular basis during the formation of new flowers (tomato, cucumber, strawberries).

ECO GEL

PK 0-43-50+te- neutral pH

COMPOSITION

Specifications	W/W	W/V
Phosphorus Pentoxide (P2O5), soluble in water	26.87 %	43.00 %
Potassium Oxide (K2O), soluble in water	31.25 %	50.00 %
Boron (B), soluble in water	0.010 %	0.016 %
Copper (Cu), EDTA-chelated, soluble in water	0.002 %	0.003 %
Iron (Fe), EDTA-chelated, soluble in water	0.050 %	0.082 %
Manganese (Mn), EDTA-chelated, soluble in water	0.025 %	0.041 %
Molybdenum (Mo), soluble in water	0.002 %	0.003 %
Zinc (Zn), EDTA-chelated, soluble in water	0.010 %	0.016 %

Density: 1,6 gr/cc
Ph: 6-7
Colour: Red
Formulation: GEL

CHARACTERISTICS

- NPK formulation with very high phosphorous content with trace elements developed for foliar application.
- Suited for crucial times of phosphorous need during the growth cycle such as root development, flowering and fruit setting.
- Fully soluble in water and easy use.
- The low pH of **Eco Gel 0-43-50 +Te** makes it the ideal complement to pesticide application to safeguard the efficiency of agrochemicals in hard water conditions.

RECOMMENDATIONS

Foliar application: Apply 2 – 5 kg/ha/application. Never exceed a concentration of 0.5% (5 g/l of water). Always use in sufficient water volume to guarantee full coverage of the foliage. Do not apply during very hot weather or on crops under water stress. The best application time is early morning or in the evening when the moisture is high in the plant.

Field crops (cereals, sugar beet, oil seed rape, cotton, etc..): Apply after germination on crops with 4 - 6 leaves; repeat before tillering for cereals.

Potatoes: Apply during the tuber initiation; repeat during the beginning of tuber development stage and 10 days later.

Vegetables: Perform 1 - 2 applications after transplanting till first flowers. Repeat on regular basis during the formation of new flowers (tomato, cucumber, strawberries).

ECO GEL

PK 0-52-34+21%SO^3+te- low pH

COMPOSITION

Specifications	W/W	W/V
Phosphorus Pentoxide (P2O5), soluble in water	**32.5 %**	**52.00 %**
Potassium Oxide (K2O), soluble in water	**21.25 %**	**34.00 %**
Sulphur Trioxide (SO^3), soluble in water	**13.1%**	**21.00%**
Boron (B), soluble in water	**0.010 %**	**0.016 %**
Copper (Cu), EDTA-chelated, soluble in water	**0.002 %**	**0.003 %**
Iron (Fe), EDTA-chelated, soluble in water	**0.050 %**	**0.082 %**
Manganese (Mn), EDTA-chelated, soluble in water	**0.025 %**	**0.041 %**
Molybdenum (Mo), soluble in water	**0.002 %**	**0.003 %**
Zinc (Zn), EDTA-chelated, soluble in water	**0.010 %**	**0.016 %**

Density: 1,6 gr/cc
Ph: 2-3
Colour: Red
Formulation: GEL

CHARACTERISTICS

- NPK formulation with very high phosphorous content with trace elements developed for foliar application.
- Suited for crucial times of phosphorous need during the growth cycle such as root development, flowering and fruit setting.
- Fully soluble in water and easy use.
- The low pH of **Eco Gel 0-52-34+21%SO^3 +Te** makes it the ideal complement to pesticide application to safeguard the efficiency of agrochemicals in hard water conditions.

RECOMMENDATIONS

Foliar application: Apply 2 – 5 kg/ha/application. Never exceed a concentration of 0.5% (5 g/l of water). Always use in sufficient water volume to guarantee full coverage of the foliage. Do not apply during very hot weather or on crops under water stress. The best application time is early morning or in the evening when the moisture is high in the plant.

Field crops (cereals, sugar beet, oil seed rape, cotton, etc..): Apply after germination on crops with 4 - 6 leaves; repeat before tillering for cereals.

Potatoes: Apply during the tuber initiation; repeat during the beginning of tuber development stage and 10 days later.

Vegetables: Perform 1 - 2 applications after transplanting till first flowers. Repeat on regular basis during the formation of new flowers (tomato, cucumber, strawberries).

ECO GEL

PK 0-52-34+21%SO^3+3%Fulvic Acids+2% free AA +te- low pH

COMPOSITION

Specifications	W/W	W/V
Phosphorus Pentoxide (P2O5), soluble in water	32.5 %	52.00 %
Potassium Oxide (K2O), soluble in water	21.25 %	34.00 %
Sulphur Trioxide (SO^3), soluble in water	13.1%	21.00%
Fulvic Acids	1.87%	3.00%
Free Amino Acids	1.25%	2.00%
Boron (B), soluble in water	0.010 %	0.016 %
Copper (Cu), EDTA-chelated, soluble in water	0.002 %	0.003 %
Iron (Fe), EDTA-chelated, soluble in water	0.050 %	0.082 %
Manganese (Mn), EDTA-chelated, soluble in water	0.025 %	0.041 %
Molybdenum (Mo), soluble in water	0.002 %	0.003 %
Zinc (Zn), EDTA-chelated, soluble in water	0.010 %	0.016 %

Density: 1,6 gr/cc
Ph: 2-3
Colour: Light Brown
Formulation: GEL

CHARACTERISTICS

- NPK formulation with very high phosphorous content with trace elements developed for foliar application.
- Suited for crucial times of phosphorous need during the growth cycle such as root development, flowering and fruit setting.
- Fully soluble in water and easy use.
- The low pH of **Eco Gel 0-52-34+21%SO^3+3%FulvicAcids+2% free AA +te** makes it theideal complement to pesticide application to safeguard the efficiency of agrochemicals in hard water conditions.

RECOMMENDATIONS

Foliar application: Apply 2 – 5 kg/ha/application. Never exceed a concentration of 0.5% (5 g/l of water). Always use in sufficient water volume to guarantee full coverage of the foliage. Do not apply during very hot weather or on crops under water stress. The best application time is early morning or in the evening when the moisture is high in the plant.
Field crops (cereals, sugar beet, oil seed rape, cotton, etc..): Apply after germination on crops with 4 - 6 leaves; repeat before tillering for cereals.
Potatoes: Apply during the tuber initiation; repeat during the beginning of tuber development stage and 10 days later.
Vegetables: Perform 1 - 2 applications after transplanting till first flowers. Repeat on regular basis during the formation of new flowers (tomato, cucumber, strawberries).

ECO GEL

PK 0-52-67+te- neutral pH

COMPOSITION

Specifications	W/W	W/V
Phosphorus Pentoxide (P2O5), soluble in water	30.5 %	52.00 %
Potassium Oxide (K2O), soluble in water	39.41 %	67.00 %
Boron (B), soluble in water	0.010 %	0.016 %
Copper (Cu), EDTA-chelated, soluble in water	0.002 %	0.003 %
Iron (Fe), EDTA-chelated, soluble in water	0.050 %	0.082 %
Manganese (Mn), EDTA-chelated, soluble in water	0.025 %	0.041 %
Molybdenum (Mo), soluble in water	0.002 %	0.003 %
Zinc (Zn), EDTA-chelated, soluble in water	0.010 %	0.016 %

Density: 1,7 gr/cc
Ph: 7-8
Colour: Green
Formulation: GEL

CHARACTERISTICS

- NPK formulation with very high phosphorous content with trace elements developed for foliar application.
- Suited for crucial times of phosphorous need during the growth cycle such as root development, flowering and fruit setting.
- Fully soluble in water and easy use.
- The low pH of **Eco Gel 0-52-67 +Te** makes it the ideal complement to pesticide application to safeguard the efficiency of agrochemicals in hard water conditions.

RECOMMENDATIONS

Foliar application: Apply 2 – 5 kg/ha/application. Never exceed a concentration of 0.5% (5 g/l of water). Always use in sufficient water volume to guarantee full coverage of the foliage. Do not apply during very hot weather or on crops under water stress. The best application time is early morning or in the evening when the moisture is high in the plant.

Field crops (cereals, sugar beet, oil seed rape, cotton, etc..): Apply after germination on crops with 4 - 6 leaves; repeat before tillering for cereals.

Potatoes: Apply during the tuber initiation; repeat during the beginning of tuber development stage and 10 days later.

Vegetables: Perform 1 - 2 applications after transplanting till first flowers. Repeat on regular basis during the formation of new flowers (tomato, cucumber, strawberries).

ECO GEL

PK 0-68-80+te- neutral pH

COMPOSITION

Specifications	W/W	W/V
Phosphorus Pentoxide (P2O5), soluble in water	**35.7 %**	**68.00 %**
Potassium Oxide (K2O), soluble in water	**42.1 %**	**80.00 %**
Boron (B), soluble in water	**0.010 %**	**0.016 %**
Copper (Cu), EDTA-chelated, soluble in water	**0.002 %**	**0.003 %**
Iron (Fe), EDTA-chelated, soluble in water	**0.050 %**	**0.082 %**
Manganese (Mn), EDTA-chelated, soluble in water	**0.025 %**	**0.041 %**
Molybdenum (Mo), soluble in water	**0.002 %**	**0.003 %**
Zinc (Zn), EDTA-chelated, soluble in water	**0.010 %**	**0.016 %**

Density: 1,9 gr/cc
Ph: 7-8
Colour: Yellow
Formulation: GEL

CHARACTERISTICS

- NPK formulation with very high phosphorous content with trace elements developed for foliar application.
- Suited for crucial times of phosphorous need during the growth cycle such as root development, flowering and fruit setting.
- Fully soluble in water and easy use.
- The low pH of **Eco Gel 0-68-80 +Te** makes it the ideal complement to pesticide application to safeguard the efficiency of agrochemicals in hard water conditions.

RECOMMENDATIONS

Foliar application: Apply 2 – 5 kg/ha/application. Never exceed a concentration of 0.5% (5 g/l of water). Always use in sufficient water volume to guarantee full coverage of the foliage. Do not apply during very hot weather or on crops under water stress. The best application time is early morning or in the evening when the moisture is high in the plant.

Field crops (cereals, sugar beet, oil seed rape, cotton, etc..): Apply after germination on crops with 4 - 6 leaves; repeat before tillering for cereals.

Potatoes: Apply during the tuber initiation; repeat during the beginning of tuber development stage and 10 days later.

Vegetables: Perform 1 - 2 applications after transplanting till first flowers. Repeat on regular basis during the formation of new flowers (tomato, cucumber, strawberries).

ECO GEL

PK 0-69-25+te- low pH

COMPOSITION

Specifications	W/W	W/V
Phosphorus Pentoxide (P2O5), soluble in water	**44.8 %**	**69.00 %**
Potassium Oxide (K2O), soluble in water	**16.2 %**	**25.00 %**
Boron (B), soluble in water	**0.010 %**	**0.016 %**
Copper (Cu), EDTA-chelated, soluble in water	**0.002 %**	**0.003 %**
Iron (Fe), EDTA-chelated, soluble in water	**0.050 %**	**0.082 %**
Manganese (Mn), EDTA-chelated, soluble in water	**0.025 %**	**0.041 %**
Molybdenum (Mo), soluble in water	**0.002 %**	**0.003 %**
Zinc (Zn), EDTA-chelated, soluble in water	**0.010 %**	**0.016 %**

Density: 1,54 gr/cc
Ph: 2-3
Colour:
Yellow
Formulation
: GEL

CHARACTERISTICS

- NPK formulation with very high phosphorous content with trace elements developed for foliarapplication.
- Suited for crucial times of phosphorous need during the growth cycle such as rootdevelopment, flowering and fruit setting.
- Fully soluble in water and easy use.
- The low pH of **Eco Gel 0-69-25 +Te** makes it the ideal complement to pesticide application to safeguard the efficiency of agrochemicals in hard water conditions.

RECOMMENDATIONS

Foliar application: Apply 2 – 5 kg/ha/application. Never exceed a concentration of 0.5% (5 g/l of water). Always use in sufficient water volume to guarantee full coverage of the foliage. Do not apply during very hot weather oron crops under water stress. The best application time is early morning or in the evening when the moisture is high in the plant.

Field crops (cereals, sugar beet, oil seed rape, cotton, etc..): Apply after germination oncrops with 4 - 6 leaves; repeat before tillering for cereals.

Potatoes: Apply during the tuber initiation; repeat during the beginning of tuberdevelopment stage and 10 days later.

Vegetables: Perform 1 - 2 applications after transplanting till first flowers. Repeat on