



DNA FERTILIZER

"A JOURNEY TO THE FUTURE OF AGRICULTURE"

THIS CATALOGUE HAS BEEN PREPARED USING ARTIFICIAL INTELLIGENCE TOOLS.



DNA FERTILIZER

ABOUT US

DNA FERTILIZER is a pioneer in the agricultural sector and was established in Adana in 2021. Our company maintains its leading position in the sector by offering innovative and effective agricultural solutions.

DNA FERTILIZER develops plant nutrition products suitable for the ecological structure and rich plant diversity of our country with its talented and experienced team. Our aim is to offer our farmers a more efficient and reliable cultivation experience by closely following the developments in the agricultural sector and integrating innovative technologies into our products.

VISION AND MISSION

As DNA FERTILIZER, our goals and values are shaped as follows:

Vision:

To be recognised as a brand in the agricultural sector and to lead the world in agricultural productivity and food safety through sustainable agricultural practices.

Mission:

To maximise Turkey's agricultural potential with our innovative foliar fertilisers, drip irrigation fertilisers and plant growth regulators and to support our farmers in achieving maximum yield. We aim to break new ground in agricultural productivity through the protection of ecological balance and the adoption of sustainable agricultural practices.

Our company integrates the latest technologies into our products by establishing strategic partnerships and international collaborations and enables Turkey to fully utilise its agricultural potential. As **DNA FERTILIZER**, we are committed to leading the agricultural sector with our innovative approach and offering a sustainable future to our farmers.



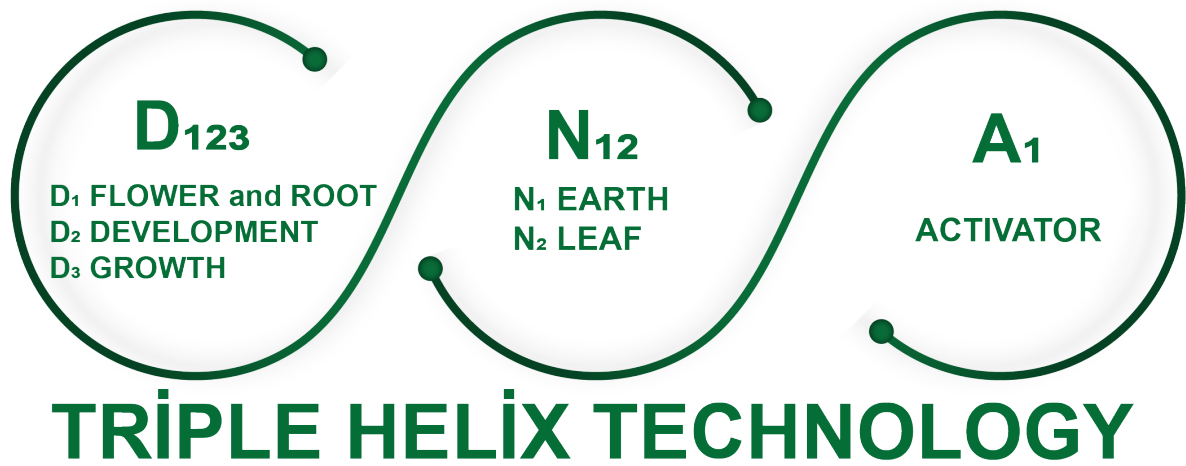
A₁

D₁₂₃

TRIPLE HELIX TECHNOLOGY



N₁₂



"TRIPLE HELIX TECHNOLOGY", a unique technology developed by us as a pioneer in the plant nutrition sector, is a special technology that fundamentally redefines plant nutrition and aims to optimise critical aspects of plant development.

TRIPLE HELIX TECHNOLOGY consists of complex interactions of six unique components, which affect plant growth processes in a multifaceted way and consequently increase the productivity and quality of plants.

D1: Molecular Signalling Promoting Root and Flower Formation D1 is a specialised component of plants that promotes root and flower formation at the molecular level. This component influences the growth and differentiation processes of plant cells, leading to deep expansion of root systems and increased flowering rates.

D2: Biochemical Factors Directing Leaf and Shoot Formation D2 is a combination of biochemical factors that shape plant morphology and direct leaf and shoot formation. This component accelerates plant growth by maximising the photosynthetic efficiency of plants and optimises the shoot and leaf development of the plant.

D3: Fruit Development and Innovative Biological Markers D3 targets plant fruit development and the biological markers behind this process. This component increases the commercial value of plants by optimising fruit size, shape and nutrient content.

N1: Microbial Activator Improving Soil Fertility N1 is a microbial activator that strengthens microbial interactions between plant roots and soil. This component increases the nutrient and water uptake of plant roots by promoting the development of beneficial microorganisms in the soil. As a result, plant growth and stress tolerance are increased.

N2: Biological Activator Improving Foliar Nutrient Uptake N2 is a biological activator that improves nutrient uptake from the leaf surface of plants and directs this process. This component enables plants to absorb nutrients more effectively through the leaves, thus increasing the nutritional efficiency of plants.

A1: Signalling Molecules Activating Plant Growth Regulators A1 contains signalling molecules that coordinate the effects of other components and ensure the activation of plant growth regulators. This component ensures that plant growth proceeds in harmony and balance.

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WHAT IS BIOSTIMULANT?

Biostimulants are special compounds of organic or inorganic origin used to increase the ability of plants to grow, develop and cope with stress, designed to maximise the potential of plants.

Biostimulants contain materials that are not intended for direct feeding on plants, but improve their overall performance by regulating and stimulating their physiological processes.

Plants can face various challenges during their growth process: climate changes, soil conditions, diseases and stress. This is where biostimulants come into play. These specialised formulations form a shield against the challenges plants face, strengthening them and supporting their optimum performance.

These specialised mixtures usually contain ingredients that stimulate plant metabolism, stimulate growth hormones and strengthen stress coping mechanisms. They also include specially formulated formulations to improve soil fertility, optimise nutrient uptake and increase plant resilience.

Biostimulants contribute to the protection of not only plants but also soil health. As part of environmentally friendly and sustainable agriculture, these special formulations play an important role in increasing agricultural productivity and minimising environmental impact.

As a result, biostimulants are valuable agricultural inputs that positively influence plant health, growth conditions and harvest yields, offering a more sustainable and efficient approach to agricultural production.

SPECIAL FOLIAR FERTILISERS WITH BIOSTIMULANT CONTENT



DEEP GREEN

- Organic Matter
- Nitrogen
- Amino acids
- Magnesium
- D2-N2-A1
- Organic Acids
- Organic Carbon
- Enzymes
- Vitamins
- Biostimulants



POLY AMINO

- Organic Matter
- Nitrogen
- Potassium
- Amino acids
- D2-N2-A1
- Organic Acids
- Enzymes
- Vitamins
- Biostimulants



POLY FLORA

- Organic Matter
- Nitrogen
- Phosphorus
- Amino acids
- Zinc
- Molybdenum
- D1-N2-A1
- Organic Carbon
- Organic Acids
- Enzymes
- Vitamins
- Biostimulants



BOR ETON

BORON ETONOL AMINE



UPPER K

- Organic Matter
- Nitrogen
- Potassium
- Amino acids
- D3-N2-A1
- Organic Carbon
- Organic Acids
- Enzymes
- Vitamins
- Biostimulants



L-30

FREE AMINO ACIDS



CAL B GREEN

- Organic Matter
- Nitrogen
- Calcium
- Amino acids
- Boron
- D2-N2-A1
- Organic Acids
- Enzymes
- Vitamins
- Biostimulants



G-BOX

- Zinc
- Manganese
- Stress Relievers
- D2-N2-A1
- Organic Acids
- Enzymes
- Vitamins
- Biostimulants
- Folic Acid
- Carboxylic Acid
- Amino acids



ALEKSIN K

- Nitrogen
- Phosphite
- Potassium
- Biostimulants



DIVISION Mn

- Manganese
- Cell Dividers
- D2-N2-A1
- Organic Acids
- Enzymes
- Vitamins
- Biostimulants
- Folic Acid
- Carboxylic Acid
- Amino acids



EFFECTON

- Organic Matter
- Nitrogen
- Potassium
- Amino acids
- D2-N2-A1
- Organic Acids
- Enzymes
- Vitamins
- Biostimulants



GRAND Zn

- Zinc
- Cell Enlargers
- D2-N2-A1
- Organic Acids
- Enzymes
- Vitamins
- Biostimulants
- Folic Acid
- Carboxylic Acid
- Amino acids



MOSS SEA

ASCOPHYLLUM NODOSUM

- Organic Matter
- Alginic Acid
- Potassium
- Amino acids
- D2-N2-A1
- Organic Acids
- Enzymes
- Vitamins
- Biostimulants



MAGIC ALFA

- Organic Matter
- Nitrogen
- Phosphorus
- Amino acids
- Zinc
- Florists
- D1-N2-A1
- Biostimulants
- Folic Acid
- Carboxylic Acid

PRODUCT SPECIFICATIONS

- **Incredible Absorption Speed:** **DEEP GREEN** has the fastest formulation that plants can take up quickly and effectively through the stomata. Our special ingredients are easily absorbed through cell membranes as they pass through the stomata of plants and reach plant tissues. In this way, it quickly meets the nutritional needs of plants and accelerates metabolic processes.
- **Optimises Chlorophyll Formation:** **DEEP GREEN** has been carefully designed to optimise the chlorophyll production process of plants. Its special ingredients support the structure of chlorophyll molecules and ensure that these molecules have maximum energy capture capacity for photosynthesis. In this way, plants capture more light energy and photosynthesis capacity increases.
- **Unique Role in Shoot and Leaf Development:** **DEEP GREEN** plays a critical role in shoot and leaf formation. Its active ingredients stimulate cellular growth and division, promoting shoot elongation and leaf development. This ensures that plants have a stronger and healthier structure in their youth.
- **Maximises Photosynthesis Capacity:** **DEEP GREEN** promotes the expansion of the leaf blades of plants. This increases the photosynthetic capacity of plants, allowing them to produce more carbohydrates and energy. The increase in energy production of plants increases growth rate and productivity and improves plant endurance.
- **Superior Durability in Extreme Conditions:** **DEEP GREEN** increases the adaptability of plants to extreme (cold, hot, arid) conditions. Its nutrients and stimulants enable plants to maintain optimal nutrition even under stress. This enables plants to continue their growth process and minimise yield losses.

DEEP GREEN helps optimise important metabolic processes of plants such as rapid absorption, chlorophyll production, shoot and leaf development, photosynthesis efficiency, fruit quality and adaptation to extreme conditions.



DEEP GREEN



WHAT IS DEEP GREEN?

Deep Green is a special formulation that plays an important role in the formation of chlorophyll cells that provide the green colour of plants. It is a specially formulated ingredient with **TRIPLE HELIX TECHNOLOGY**, which contains plant nutrients, enzymes and L-form Amino Acids necessary for the formation of chlorophyll, which can enter the plant body in a short period of 2 hours.

ORGANOMINERAL PRODUCTS NITROGEN LIQUID ORGANOMINERAL FERTILISER

GUARANTEED CONTENT	w/w
Total Organic Matter	% 10
Total Nitrogen (N)	% 20
Urea Nitrogen (NH ₂ -N)	% 12,6
Ammonium Nitrogen (NH ₄)	% 3,2
Nitrate Nitrogen (NO ₃)	% 4,2
Free Amino Acids	% 2
Water Soluble Magnesium Oxide (MgO)	% 2
pH	4-6

RECOMMENDED APPLICATION RATES		
PRODUCTS	APPLICATION SHAPE	APPLICATION DOSE
Field and Industrial Crops	Drip Method	1Lt-2Lt/da
	Leaf	200 cc/100 Lt water
Open Field, Vegetable and Greenhouses	Drip Method	1Lt-2Lt/da
	Leaf	200 cc/100 Lt water
Fruit Trees and Vineyard	Drip Method	1Lt-2Lt/da
	Leaf	200 cc/100 Lt water

 1 Lt-5 Lt

DEEP GREEN

PRODUCT SPECIFICATIONS

- **Flower Potential Enhancing Effect:** **POLY FLORA** promotes the formation of flower eyes in the plant, allowing the formation of more flower potential. Thanks to this feature, the productivity of the plants and the amount of flowers increases and provides more fruit formation.
- **Feature Supporting Healthy Flower Formation:** **POLY FLORA** promotes healthy and high quality flower formation by ensuring the flowering process of plants. These healthy flowers support the formation of stronger and well fertilised fruits.
- **Providing Maximum Energy for Plant Development:** **POLY FLORA** accelerates plant growth by providing energy (ATP) to plants. In this way, plants grow stronger and show a healthy development.
- **Increasing Pollen Tube Formation and Fertilisation:** **POLY FLORA** promotes pollen tube formation in flowers and ensures a healthier fertilisation of flowers. Thanks to this feature, better fertilisation of flowers increases fruit formation and improves fruit quality.
- **Rooting Improvement Effect:** **POLY FLORA** promotes root development by supporting the rooting processes of plants. Healthy root development enables plants to hold better in the soil and to take nutrients more effectively. This contributes to stronger, more durable and healthier growth of plants. In addition, this feature, which strengthens the root system, protects plant health by helping plants better adapt to abiotic stress conditions (cold, heat, drought, etc.). Thus, plants become more resilient and grow more successfully even under harsh environmental conditions.

POLY FLORA increases productivity by increasing flower and fruit potential in the plant. At the same time, it supports the formation of healthy flowers and fruits and ensures better quality products. It contributes to rapid growth by providing energy to plants and increases the amount of fertilisation by promoting pollen tube formation. In addition, by supporting root development, it enables plants to hold better in the soil and utilise the nutrients and water in the soil more.



POLY FLORA



WHAT IS POLY FLORA?

Poly Flora is a special formulation containing nutrients, plant growth regulators, enzymes and activators essential for plant flowering. Thanks to this special formulation, plants have all the essential components they need to grow healthier and stronger during the flowering process and is designed using **TRIPLE HELIX TECHNOLOGY** complexed with L-form amino acids that plants need during the flowering period.

ORGANOMINERAL PRODUCTS LIQUID ORGANOMINERAL FERTILISER WITH NP

GUARANTEED CONTENT

	w/w
Total Organic Matter	% 10
Total Nitrogen (N)	% 3
Urea Nitrogen (NH ₂ -N)	% 3
Total Phosphorus Pentaoxide (P ₂ O ₅)	% 20
Water Soluble Phosphorus Pentaoxide (P ₂ O ₅)	% 20
Free Amino Acids	% 3
Water Soluble Molybdenum (Mo)	% 0.1
Water Soluble Zinc (Zn)	% 3
pH	3-5

RECOMMENDED APPLICATION RATES

PRODUCTS	APPLICATION SHAPE	APPLICATION DOSE
Field and Industrial Crops	Drip Method	1Lt-3Lt/da
	Leaf	200 cc/100 Lt water
Open Field, Vegetable and Greenhouses	Drip Method	1Lt-3Lt/da
	Leaf	200 cc/100 Lt water
Fruit Trees and Vineyard	Drip Method	1Lt-3Lt/da
	Leaf	200 cc/100 Lt water



POLY FLORA

PRODUCT SPECIFICATIONS

- **Improves the Quality and Flavour of Fruits:** **UPPER K** supports the growth process of fruits and contributes to the richer and more attractive taste, colour and aroma of fruits. Especially for fruit growers, it makes it easier to obtain better quality and flavourful fruits.
- **Provides Water Balance and Reduces Stress:** By regulating the opening and closing of stomata in plants, it ensures the water balance of the plant and prevents it from entering water stress. This helps plants to be more resistant to environmental stresses such as drought or overwatering and increases plant health.
- **Increases Fruit Fullness:** **UPPER K** increases the internal plumpness of fruit, helping to make fruits larger, fuller and more nutritious. This increases the market value of the products and provides more satisfying and tasty fruits to the consumer.
- **Fast and Effective Effect:** It enters the into of the plant quickly and allows it to rapidly absorb potassium. Thus, plants quickly overcome potassium deficiency and support fruit growth. At the same time, it promotes homogenous fruit formation, resulting in more regular and consistent fruit development.

These unique properties of **UPPER K** promote healthy plant growth and improve fruit quality, providing producers with a more productive and profitable crop. Thanks to its advanced technology, it meets the potassium needs of plants in the most effective and efficient way, thus allowing you to obtain healthier and homogenous fruits.



UPPER K



WHAT IS UPPER K?

UPPER K is a liquid plant nutrition product specially designed to meet the instant potassium needs of plants. This product is produced with **TRIPLE HELIX TECHNOLOGY** and designed to easily pass through the stomata of plants. Thanks to the special amino acids and enzymes in its content, it is designed to meet the potassium needs of plants efficiently by ensuring 100% uptake from the leaves.

ORGANOMINERAL PRODUCTS LIQUID ORGANOMINERAL FERTILISER WITH NK

GUARANTEED CONTENT	w/w
Total Organic Matter	% 10
Total Nitrogen (N)	% 3
Urea Nitrogen (NH ₂ -N)	% 3
Water Soluble Potassium Oxide (K ₂ O)	% 20
pH	9-11

RECOMMENDED APPLICATION RATES

PRODUCTS	APPLICATION SHAPE	APPLICATION DOSE
Field and Industrial Crops	Drip Method	1Lt-3Lt/da
	Leaf	200 cc/100 Lt water
Open Field, Vegetable and Greenhouses	Drip Method	1Lt-3Lt/da
	Leaf	200 cc/100 Lt water
Fruit Trees and Vineyard	Drip Method	1Lt-3Lt/da
	Leaf	200 cc/100 Lt water



UPPER K

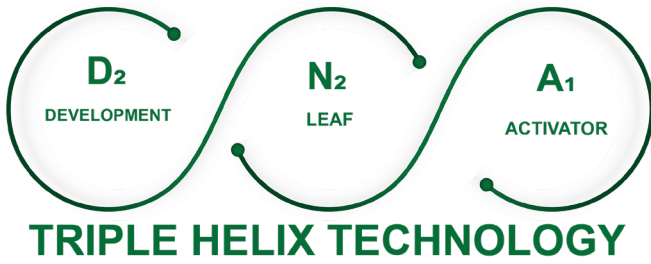
PRODUCT SPECIFICATIONS

- **High Portability Feature:** **CAL B GREEN**'s special formula ensures that calcium can be fully absorbed by plants and transported most efficiently through plant tissues, maximising the utilisation of calcium requirements.
- **Promotes Cell Division:** **CAL B GREEN** promotes cell division in plants and plays a critical role in determining fruit size.
- **Wide Application Period:** **CAL B GREEN** can be used effectively in all developmental stages of plants, including the flowering period. It provides support in accordance with the needs of plants at different stages of development processes.
- **Increases Fruit Durability:** **CAL B GREEN** increases the shelf life of the fruit and improves the quality of the fruit by providing resistance to cracking with its 100% absorbable calcium element. It contributes to the market value of the products by providing homogenous fruit size.
- **Protection against fungal and bacterial diseases:** Increases resistance against fungal and bacterial diseases and makes plants healthier.

Thanks to its special formulation for plants, **CAL B GREEN** effectively transports calcium and ensures that plants receive the calcium they need. It determines fruit size by promoting cell division and can be used effectively in all developmental stages, including the flowering period. At the same time, it increases fruit durability with its 100% absorbable calcium element, extends the shelf life of fruits and provides strong protection to plants against fungal and bacterial diseases.



CAL B GREEN



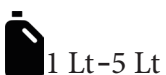
WHAT IS CAL B GREEN?

CAL B GREEN is a product that stands out with its ability to transport calcium to plant tissues thanks to its special formulation. This formulation, produced with **TRIPLE HELIX TECHNOLOGY**, combines calcium, boron elements, organic matter, L-form amino acids, various enzymes and minerals to form an organomineral complex structure. This complex has the ability to effectively transport from the stomata of plants to fruit tissues.

ORGANOMINERAL PRODUCTS NITROGEN LIQUID ORGANOMINERAL FERTILISER

GUARANTEED CONTENT	w/w
Total Organic Matter	% 15
Total Nitrogen	% 8
Urea Nitrogen (NH ₂ -N)	% 8
Water Soluble Calcium Oxide (CaO)	% 12
Free Amino Acids	% 4
Water Soluble Boron (B)	% 0.2

RECOMMENDED APPLICATION RATES		
PRODUCTS	APPLICATION SHAPE	APPLICATION DOSE
Field and Industrial Crops	Drip Method	1Lt-2Lt/da
	Leaf	200 cc/100 Lt water
Open Field, Vegetable and Greenhouses	Drip Method	1Lt-2Lt/da
	Leaf	200 cc/100 Lt water
Fruit Trees and Vineyard	Drip Method	1Lt-2Lt/da
	Leaf	200 cc/100 Lt water



CAL B GREEN

PRODUCT SPECIFICATIONS

- **High Potassium Content:** **ALEKSIN K** is a special product containing high amounts of potassium for plants. Potassium is an essential nutrient for plant growth and health.

- **Increases Defence Mechanism Against Diseases:** **ALEKSIN K** strengthens the natural immune system by secreting the hormone alexin, which activates the defense mechanism of plants, thus making them more resistant to diseases.

- **Promotes Root Development and Flowering:** Thanks to the special components in the same product, it provides positive effects on flowering and root development of plants.

- **Provides Expansion of Transmission Bundles:** **ALEKSIN K** helps the expansion of conduction bundles in plants. This helps plants transport nutrients and water more efficiently.

- **Therapeutic Properties Against Root Diseases:** **ALEKSIN K** is used as an effective treatment against root diseases such as *Fusarium* spp and *Phytophthora*. **ALEKSIN K** prevents the spread of diseases within the plant by preventing the formation of fungal spores in plants.

ALEKSIN K, which contains high potassium, supports the health of plants and promotes their development. It protects against diseases by strengthening the natural immune system and increases root development and flowering. It also improves nutrient and water transport by promoting the expansion of conduction bundles. It is used as an effective treatment against root diseases, preventing the spread of diseases by inhibiting the formation of fungal spores.



ALEKSIN K



WHAT IS ALEKSIN K?

It is a product containing high amounts of potassium and is a special potassium source.

EC FERTILISER FERTILISER SOLUTION WITH NK

GUARANTEED CONTENT	w/w
Total Nitrogen (N)	% 3
Urea Nitrogen (NH ₂ -N)	% 3
Water Soluble Potassium Oxide (K ₂ O)	% 20

RECOMMENDED APPLICATION RATES

PRODUCTS	APPLICATION SHAPE	APPLICATION DOSE
Field and Industrial Crops	Drip Method	1Lt-2Lt/da
	Leaf	200 cc/100 Lt water
Open Field, Vegetable and Greenhouses	Drip Method	1Lt-2Lt/da
	Leaf	200 cc/100 Lt water
Fruit Trees and Vineyard	Drip Method	1Lt-2Lt/da
	Leaf	200 cc/100 Lt water

PRODUCT SPECIFICATIONS

- **Stress Resistance** : Thanks to the amino acids and enzymes it contains, it provides resistance to stress (arid, hot, cold, etc.) conditions. It commands the opening of stomata closed due to stress.

- **Synthesis that keeps plants always green:** Thanks to the L-form amino acids produced enzymatically, it increases the synthesis of chlorophyll in the plant, thus ensuring that the plants always remain green.

- **Chelating Effect:** Thanks to its chelating effect, it ensures that the plant nutrients given with it are taken into the plant more easily and quickly.

- **Increases Fruit Quality:** It helps the synthesis of plant growth regulators. It increases pollen formation in the flower and the number of female flowers. In this way, it increases fruit quality and calibre.

- **Protein Synthesis at Genetic Level in Plants: EFFECTON**, as a liquid plant nutrition product, catalyses the protein synthesis of plants and provides a positive effect on plant growth and development at the genetic level by increasing protein production in plant cells. Its special formulation promotes root development and optimises protein synthesis in the plant, supporting a more efficient photosynthesis process. This, in turn, improves plant health and productivity, resulting in high quality and plump fruit.

EFFECTON is a liquid plant nutrition product that increases the stress resistance of plants, promotes chlorophyll synthesis, facilitates nutrient uptake and improves fruit quality. It contains special amino acids and enzymes, positively affects plant growth and development at the genetic level. It promotes root development, optimises the photosynthesis process and contributes to the production of high-yielding, high-quality fruits.



EFFECTON



WHAT IS EFFECTON?

EFFECTON is a special liquid plant nutrition product produced in L-form by enzymatic hydrolysis and containing 16 different amino acids, plant growth regulators and systematically designed nutrients. This unique formulation is designed to optimise important characteristics of plants such as growth, flowering and fruit yield thanks to **TRIPLE HELIX TECHNOLOGY**.

ORGANIC PRODUCTS LIQUID ORGANIC FERTILISER CONTAINING AMINO ACIDS OF PLANT ORIGIN

GUARANTEED CONTENT

Organic Matter	w/w
Organic Nitrogen	% 30
Water Soluble Potassium Oxide (K ₂ O)	% 3
Free Amino Acids	% 1
	% 12

RECOMMENDED APPLICATION RATES

PRODUCTS	APPLICATION SHAPE	APPLICATION DOSE
Field and Industrial Crops	Drip Method	1Lt-2Lt/da
	Leaf	200 cc/100 Lt water
Open Field, Vegetable and Greenhouses	Drip Method	1Lt-2Lt/da
	Leaf	200 cc/100 Lt water
Fruit Trees and Vineyard	Drip Method	1Lt-2Lt/da
	Leaf	200 cc/100 Lt water



EFFECTON

PRODUCT SPECIFICATIONS

- **Inhibiting Ethylene Synthesis:** **MOSS SEA** effectively inhibits ethylene synthesis, slowing down the aging process of plants and keeping them young. In this way, plants exhibit a longer and healthier growth.
- **Cell Expansion and Division:** **MOSS SEA** promotes the expansion and division of cells by triggering the production of stoichiene in plants, thus a faster and healthier plant development is observed. This ensures that plants have a strong and durable structure.
- **Challenge Extreme Conditions:** **MOSS SEA** increases the resilience of plants by preventing the negative effects of extreme conditions such as cold, heat, drought and pesticide stress. In this way, plants adapt better and grow healthier.
- **Regular Plant Nutrition:** **MOSS SEA** supports plants to receive the nutrients they need more efficiently by ensuring the regular use of plant nutrients. This helps plants to be fed in a healthy and balanced way.
- **Increased Photosynthesis and Fruit Quality:** **MOSS SEA** increases the energy production and nutrient uptake of the plant by increasing the amount of photosynthesis of the plant. This contributes to faster and more effective plant growth and increased fruit quality.

MOSS SEA slows down the ageing process of plants and keeps them young by inhibiting ethylene synthesis. It promotes cell division, so that plants grow faster and healthier and have a strong and durable structure. **MOSS SEA** increases their resistance to extreme conditions, allowing them to adapt better. It helps plants to feed in a healthy and balanced way and improves the energy production of plants by increasing the amount of photosynthesis. **MOSS SEA** contributes to a longer and healthier growth of plants and increases fruit quality.



MOSS SEA



WHAT IS MOSS SEA?

It is a special formulation produced with **TRIPLE HELIX TECHNOLOGY**, which is a seaweed extract obtained from *Ascophyllum Nodosum* containing plant growth regulators, complexed with L-form amino acids and plant growth regulators.

PRODUCTS OF ORGANIC ORIGIN LIQUID SEAWEED

GUARANTEED CONTENT

Total Organic Matter	w/w
Alginic Acid	% 20
Water Soluble Postassium Oxide (K ₂ O)	% 0.5
Maximum (EC dS/m)	% 1
Ph	11,84
	7-9

RECOMMENDED APPLICATION RATES

PRODUCTS	APPLICATION SHAPE	APPLICATION DOSE
Field and Industrial Crops	Drip Method	250 ml- 500 ml/da
	Leaf	100-150 cc/100 Lt water
Open Field, Vegetable and Greenhouses	Drip Method	250 ml- 500 ml/da
	Leaf	100-150 cc/100 Lt water
Fruit Trees and Vineyard	Drip Method	250 ml- 500 ml/da
	Leaf	100-150 cc/100 Lt water

PRODUCT SPECIFICATIONS

- **Healthy Growth and Development with Unique Amino Acid Profile: L-30**

contains all the essential amino acids plants need to support protein synthesis and promote cellular growth. This ensures that every cell, from roots to leaves, develops optimally. It plays an important role in making your plants healthier, stronger and more durable.

- **Effective Role in Combating Stress:** Extreme weather conditions, harmful organisms and other stress factors can make it difficult for plants to grow. **L-30** contains amino acids that increase the ability of plants to cope with stress. In this way, your plants become more resistant to all kinds of difficulties.

- **Hormonal Balance and Product Yield Increase:** The amino acids in **L-30** help your plants maintain hormonal balance. This regulates flowering timing, increases fruit formation and ultimately maximises crop yield.

- **Chelating Effect :** **L-30** chelates the plant nutrients used with it and allows them to enter the plant body more effectively through the stomata. It increases the effectiveness of the accompanying product.

L-30 offers a unique amino acid profile essential for healthy growth and development of plants. This supports plant protein synthesis and promotes cellular growth. It also contains amino acids that increase the ability of plants to cope with stress, so they become more resistant to various stress factors. By maintaining hormonal balance, it regulates flowering timing, increases fruit formation and maximises crop yield. In addition, L-30 increases the effectiveness of the plant nutrients in the products used alongside it by enabling them to be transported more efficiently into the plant system.



L-30

- aspartic acid
- glutamic acid
- asparagines
- serines
- glutamine
- histidines
- glycines
- Theronins
- citrulline
- arginines
- alanines
- Tyrosine
- cystines
- valines
- methionine
- norvalines
- tryptophan
- Phenylalanine
- isoleucine
- leucines
- lysines
- hydroxyproline
- sarcosines
- proline



WHAT IS L-30?

It is a specially designed formulation containing 24 different amino acids produced by enzymatic hydrolysis in L-form.

ORGANIC PRODUCT

SOLID ORGANIC FERTILISER CONTAINING AMINO ACIDS OF PLANT ORIGIN

GUARANTEED CONTENT

Total Organic Matter	w/w
Organic Carbon	% 50
Organic Nitrogen	% 10
Free Amino Acids	% 4
Maximum Humidity	% 30
Ph Range	% 20
	3-5

RECOMMENDED APPLICATION RATES

PRODUCTS	APPLICATION SHAPE	APPLICATION DOSE
Field and Industrial Crops	Drip Method	0,5 kg/da
	Leaf	40-60 gr/100 Lt water
Open Field, Vegetable and Greenhouses	Drip Method	0,5 kg/da
	Leaf	40-60 gr/100 Lt water
Fruit Trees and Vineyard	Drip Method	0,5 kg/da
	Leaf	40-60 gr/100 Lt water



L-30

PRODUCT SPECIFICATIONS

- **Building Resilience with Amino Acids and Enzymes:** **POLY AMINO** contains amino acids and enzymes to help plants better withstand stress conditions. Amino acids help to strengthen the structure of plant cells and promote protein synthesis, while enzymes play a critical role in responding to stress conditions, so **POLY AMINO** provides resistance to your plants in all kinds of stress conditions (drought, heat, cold, etc.).
- **Promotion of Stoma Opening:** Stoma are the structures of plants that regulate gas exchange and can close under stress conditions. **POLY AMINO** enables plants to photosynthesise by commanding stomata to open. This helps plants take in more carbon dioxide and produce more oxygen.
- **Increasing Chlorophyll Synthesis:** **POLY AMINO**'s special formula increases chlorophyll synthesis in plants. Chlorophyll is essential for plants to photosynthesise, which keeps plants always green and healthy. This allows plants to produce more energy and contributes to their growth.
- **Chelating and Increasing the uptake of elements:** **POLY AMINO** has chelating properties, meaning it makes the uptake of plant nutrients easier and faster. This promotes better nutrition of plants and helps them to maintain the balance of important nutrients such as calcium and potassium.
- **Improving Pollen Formation and Fruit Quality:** **POLY AMINO** promotes the pollen formation of flowers in plants and increases the number of female flowers. This contributes to increased fertilisation and increased fruit productivity. In addition, the special amino acid formulation improves the quality and durability of fruits, helping to achieve healthier and stronger crops.



POLY AMINO



WHAT IS POLY AMINO?

POLY AMINO is a special formulation designed with **TRIPLE HELIX TECHNOLOGY** to increase plant resilience and optimise productivity. It is enriched with fulvic acid, organic acids, amino acids and plant nutrients, enabling plants to respond strongly to stress conditions.

ORGANIC PRODUCTS

LIQUID ORGANIC FERTILISER CONTAINING AMINO ACIDS OF PLANT ORIGIN

GUARANTEED CONTENT

Total Organic Matter	w/w
Organic Carbon	% 30
Organic Nitrogen	% 15
Water Soluble Potassium Oxide (K ₂ O)	% 3
Free Amino Acids	% 2
	% 8

RECOMMENDED APPLICATION RATES

PRODUCTS	APPLICATION SHAPE	APPLICATION DOSE
Field and Industrial Crops	Drip Method	1Lt-3Lt/da
	Leaf	200 cc/100 Lt water
Open Field, Vegetable and Greenhouses	Drip Method	1Lt-3Lt/da
	Leaf	200 cc/100 Lt water
Fruit Trees and Vineyard	Drip Method	1Lt-3Lt/da
	Leaf	200 cc/100 Lt water



POLY AMINO

PRODUCT SPECIFICATIONS

- **Effective Calcium Transport:** **BOR ETON** ensures efficient transport of calcium within the plant, which is essential for the healthy development of plants. This increases the cellular growth, root development and overall resilience levels of plants. It also helps plants become more resistant to environmental stresses.
- **Strengthening of Cellular Structure:** The product contributes to strengthening the cellular structure of plants. By affecting the structure of cell walls, **BOR ETON** provides plants with a more robust structure. This helps plants to be more resistant to seasonal changes, diseases and harmful organisms.
- **Increasing Reproductive Efficiency:** Promoting the formation and elongation of the pollen tube, **BOR ETON** positively influences the reproductive processes of plants. This contributes to more fruit formation by increasing the fertilisation rate. As a result, plant productivity and total product amount increases.
- **Nutrient Transport Efficiency:** The product enables more efficient transport of glucose and other nutrients within plants. This supports plants to transport nutrients to the growth zones more quickly and effectively. Thus, plants grow faster and develop in a healthier way.
- **Improvement of Fruit Quality:** **BOR ETON** improves fruit quality by increasing their resistance to cracking. This results in more durable, sweet and nutritious fruits. It also prolongs shelf life by protecting fruit health during storage processes.



BOR ETON



WHAT IS BOR ETON?

BOR ETON is a formulation designed to strengthen the cellular structure of plants thanks to its special components, as well as to facilitate the formation of cell walls and the transport of calcium within the plant.

EC FERTILISER BORON ETHANOL AMINE

GUARANTEED CONTENT
Water Soluble Boron (B)

w/w
% 9

RECOMMENDED APPLICATION RATES

PRODUCTS	APPLICATION SHAPE	APPLICATION DOSE
Field and Industrial Crops	Drip Method	0.5 - 1 Lt /da
	Leaf	100 cc/100 Lt water
Open Field, Vegetable and Greenhouses	Drip Method	0.5 - 1 Lt /da
	Leaf	100 cc/100 Lt water
Fruit Trees and Vineyard	Drip Method	0.5 - 1 Lt /da
	Leaf	100 cc/100 Lt water



BOR ETON

PRODUCT SPECIFICATIONS

MAGiC ALFA regulates the biological activities of plants in accordance with the period by bringing plant growth regulators to optimal conditions thanks to the special compounds contained in it.

Thanks to the above feature MAGiC ALFA;

Hormonal Regulation: **MAGiC ALFA** supports the balanced functioning of plant growth hormones and accelerates the transition to the flowering period. This allows plants to form their flowers earlier.

Fertilisation and Fruit Formation: It increases the reproductive ability of plants to ensure fertilisation, especially in some plant species. It also promotes fruit formation and ensures that the fruits are larger and of better quality.

Stimulation of Root Development: It helps plants to form a more robust root system by stimulating root development. This contributes to plants receiving more water and nutrients.

Stress Tolerance: **MAGiC ALFA** increases the resistance of plants to stress conditions. It reduces the effects of environmental stress conditions such as high temperature, cold, drought and prevents fruit drop.

Increasing Nutrient Intake: It allows plants to more effectively receive the nutrients they need during critical growth periods. This accelerates plant development and increases yield.

Increasing Drug Efficacy: **MAGiC ALFA**, when used in combination with plant protection drugs, allows the drugs to penetrate the plants better and increase their effectiveness.



MAGIC ALFA



WHAT IS MAGIC ALFA?

Plant growth regulators, which are of absolute importance in the life cycle of the plant, cause a decrease in their production in the plant body under certain conditions (drought, heat imbalance, water irregularity, etc.), and due to these decreases, formation periods such as shoots, flowers and roots cannot be realised at the desired level in the plant. MAGIC ALFA is produced with **TRIPLE HELIX TECHNOLOGY** in order to ensure that the hormonal activities of plants work correctly.

ORGANOMINERAL PRODUCTS LIQUID ORGANOMINERAL FERTILISER WITH NP

GUARANTEED CONTENT

Total Organic Matter	w/w
Total Nitrogen (N)	% 10
Urea Nitrogen (NH ₂ -N)	% 3
Total Phosphorus Penta Oxide (P ₂ O ₅)	% 3
Water Soluble Phosphorus Penta Oxide (P ₂ O ₅)	% 15
Free Amino Acids	% 15
Water Soluble Zinc (Zn)	% 5
	% 3

RECOMMENDED APPLICATION RATES

PRODUCTS	APPLICATION SHAPE	APPLICATION DOSE
Field and Industrial Crops	Drip Method	250 ml-300 ml/da
	Leaf	50-100 cc/100 Lt water
Open Field, Vegetable and Greenhouses	Drip Method	250 ml-300 ml/da
	Leaf	50-100 cc/100 Lt water
Fruit Trees and Vineyard	Drip Method	250 ml-300 ml/da
	Leaf	50-100 cc/100 Lt water



MAGIC ALFA

PRODUCT SPECIFICATIONS

- **Stress Reduction Capability: G-BOX** minimises plant stress. By increasing the resistance of plants to environmental stresses, it allows you to grow healthier and more resistant plants.
- **Temperature Control: G-BOX** makes plants more resistant to temperature changes. This allows plants to gain resistance to extreme temperature conditions and reduces flower shedding.
- **Metabolic Activation:** Maintains the metabolism of plants at an optimal level under low temperature conditions. This helps plants to maintain their growth and development even in cold weather conditions.
- **Chelating Feature: G-BOX** helps plants to take up other nutrients better. It provides more efficient utilisation of minerals necessary for healthy growth and development of plants.
- **Coping with Stress: G-BOX** helps plants under extreme stress to restore internal balance. It allows plants to recover quickly from stress conditions.
- **Strengthening Defence Mechanisms: G-BOX** increases the natural defence mechanisms of plants. It provides more effective protection against diseases and pests.

G-BOX offers plant breeders a superior solution for plant health and productivity by providing scientifically proven properties. **G-BOX** utilises the power of science in the field of plant breeding, enabling your plants to grow and develop in the best way possible.



G-BOX



WHAT IS G-BOX?

It is designed with **TRIPLE HELIX TECHNOLOGY** to increase the defence mechanisms of plants against extreme stress conditions (cold, heat, drought and pesticide stress) containing special components. It enables plants to better adapt to stress conditions by optimising their biochemical and physiological responses.

Manganese (Mn-Sulphate), ZINC (Zn-Sulphate) LIQUID MICRO PLANT NUTRIENT MIX

GUARANTEED CONTENT

Water Soluble Manganese (Mn)
Water Soluble Zinc (Zn)

w/w
% 1
% 1

RECOMMENDED APPLICATION RATES

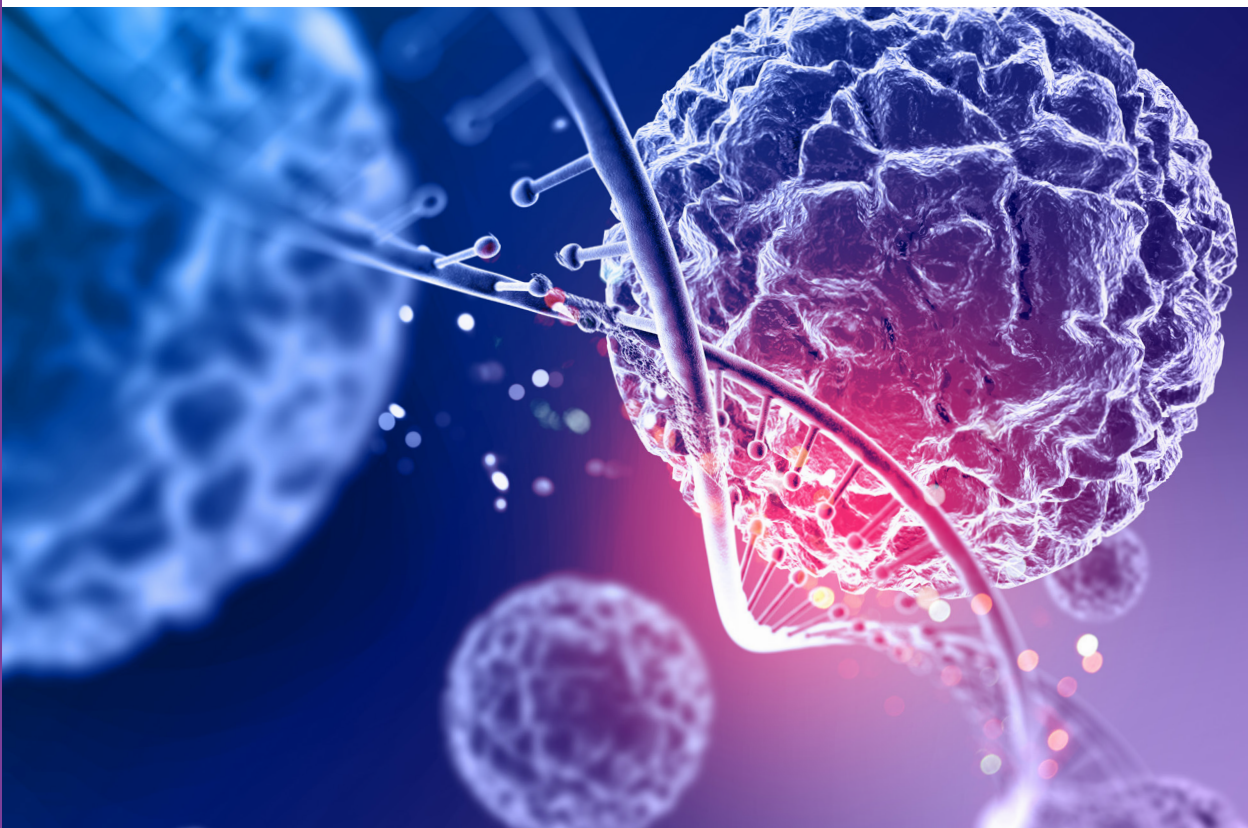
PRODUCTS	APPLICATION SHAPE	APPLICATION DOSE
Field and Industrial Crops	Drip Method	250 ml-300 ml/da
	Leaf	100-150 cc/100 Lt water
Open Field, Vegetable and Greenhouses	Drip Method	250 ml-300 ml/da
	Leaf	100-150 cc/100 Lt water
Fruit Trees and Vineyard	Drip Method	250 ml-300 ml/da
	Leaf	100-150 cc/100 Lt water



G-BOX

PRODUCT SPECIFICATIONS

- **Promotes Cellular Division:** When applied after fruit set, **DiViSiON Mn** catalyses fruit growth by activating maximum cell division. This increases the potential size of your fruits by accelerating the proliferation of plant cells.
- **Provides Fruit Eye Formation:** **DiViSiON Mn** is a special product that promotes the formation of structures called fruit eyes during fruit development. Fruit eyes play a critical role in the future fruit yield of plants. **DiViSiON Mn** helps plants to form more fruit eyes by accelerating the development of these important structures. This increases the potential fruit number of plants.
- **Supports Homogenous and Standard Fruit Formation:** **DiViSiON Mn** helps plants achieve a homogenous and standardised result in fruit formation. This ensures that fruits growing on the same plant are more consistent in size, shape and quality. By promoting homogeneous fruit formation and development, it is a critical factor to respond to consumer demands and provide a competitive advantage in the commercial market.
- **Interacts with Plant Hormones:** **DiViSiON Mn** interacts with plant hormones and regulates fruit formation. In particular, it contributes to the regulation of hormones critical for plant growth and fruit development. This ensures efficient and balanced management of fruit formation.



DIVISION Mn



WHAT IS DIVISION Mn?

It is a product developed with a special formulation to increase fruit eye formation and cell division in plants and designed with **TRIPLE HELIX TECHNOLOGY**. Division Mn is a product that regulates and supports cell division and basic molecular processes.

MANGANESE BASED FERTILISER SOLUTION

GUARANTEED CONTENT
Water Soluble Manganese (Mn)

w/w
% 3

RECOMMENDED APPLICATION RATES

PRODUCTS	APPLICATION SHAPE	APPLICATION DOSE
Field and Industrial Crops	Drip Method	250 ml-300 ml/da
	Leaf	100 cc/100 Lt water
Open Field, Vegetable and Greenhouses	Drip Method	250 ml-300 ml/da
	Leaf	100 cc/100 Lt water
Fruit Trees and Vineyard	Drip Method	250 ml-300 ml/da
	Leaf	100 cc/100 Lt water



DIVISION Mn

PRODUCT SPECIFICATIONS

Cell Growth and Development: GRAND Zn contains special formulations that stimulate the growth of cells in plants. This results in larger and more voluminous fruits. In addition, promoting cell growth contributes to a longer fruit life.

Plant Growth Regulator: GRAND Zn contains essential factors for regulating plant growth. These factors promote the growth and development of plants at the cellular level. This allows plants to grow healthier and more homogeneously. It also promotes even and homogeneous growth of fruits, increasing crop productivity.

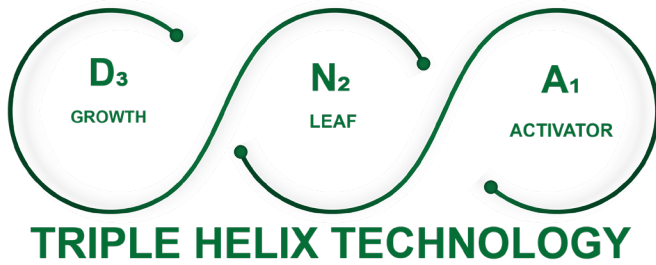
Resistance to Stress Conditions: GRAND Zn makes plants more resistant to various stress conditions. It strengthens the defence mechanisms of plants against adverse conditions such as cold, heat and drought. In this way, plants are better protected against environmental stresses and continue to grow in a healthy way.

Healthy Fruit Calibration: This feature means that GRAND Zn promotes the healthy development of plant cells. This helps fruits reach the desired size and quality. The balanced growth of plant cells ensures that fruits are more consistently calibrated, making them more attractive for marketing and sales.

GRAND Zn increases the cellular growth of plants, making fruits larger and more durable. It also helps plants to become more resistant to stresses. It gives effective results in fruit growth by providing hormonal balance in the plant.



GRAND Zn



What is GRAND Zn?

GRAND Zn is a special formulation of plant growth regulators, specially developed to optimise cell growth and ensure uniform calibre of fruits. This product is designed with **TRIPLE HELIX TECHNOLOGY** and contains plant growth regulators and enzymes. GRAND Zn is a scientifically produced product to increase the productivity of agricultural products and to enlarge cells.

ZINC BASED FERTILISER SOLUTION

GUARANTEED CONTENT
Water Soluble Zinc (Zn)

w/w
% 3

RECOMMENDED APPLICATION RATES

PRODUCTS	APPLICATION SHAPE	APPLICATION DOSE
Field and Industrial Crops	Drip Method	250 ml-300 ml/da
	Leaf	100 cc/100 Lt water
Open Field, Vegetable and Greenhouses	Drip Method	250 ml-300 ml/da
	Leaf	100 cc/100 Lt water
Fruit Trees and Vineyard	Drip Method	250 ml-300 ml/da
	Leaf	100 cc/100 Lt water



GRAND Zn



WHAT IS ORGANAMINERAL FERTILISER?

Organomineral fertiliser is a special type of fertiliser that combines organic and mineral components for plant nutrition. This fertiliser both provides the natural richness of organic matter and contains the essential mineral elements that plants need.

Organic components usually include organic materials obtained from plant and animal remains. These materials improve soil structure, increase water holding capacity and stimulate microorganism activity. Organic matter supports soil health and contributes to healthier and more resilient plants.

Organomineral fertiliser is used to increase soil fertility, provide plant nutrients in a balanced way and improve soil structure by combining organic and mineral components. This type of fertiliser is widely used in both organic farming practices and conventional agriculture.

The use of organomineral fertilisers focuses on maintaining soil health and ensuring optimum growth conditions for plants, while supporting sustainable agriculture. Therefore, organomineral fertilisers stand out as an environmentally friendly and effective fertilisation solution that meets the requirements of modern agriculture.

	ORGANAMINERAL FERTILISER	CLASSIC FERTILISER
Salt	Removes Salinity	Increases Salinity
Lime	Does not form lime in the soil	Increases the amount of lime in the soil
Soil Structure	Improves Soil Structure	Disrupts Soil Structure
Microbial	Increases Microbial Activity	Reduces Microbial Activity
Attachment	Unbound in Soil	Connects in Soil

ORGANOMINERAL LIQUID DRIP FERTILISERS WITH BIOSTIMULANT CONTENT



X GROW N

- Organic Matter
- Nitrogen
- Magnesium
- Amino acid
- D2-N1-A1
- Fulvic Acids
- Organic Carbon
- Organic Acid
- Enzymes
- Vitamins
- Biostimulants
- Carboxylic Acid
- Tryptophan



X GROW P

- Organic Matter
- Nitrogen
- Phosphorus (Poly Phosphate)
- Amino Acid
- Zinc
- D1-N1-A1
- Fulvic Acids
- Organic Carbon
- Organic Acid
- Enzymes
- Vitamins
- Biostimulants
- Carboxylic Acid
- Alginic Acid
- Florists



GROW K

- Organic Matter
- Nitrogen
- Potassium
- Amino acid
- Fulvic Acids
- D3-N1-A1
- Organic Carbon
- Organic Acid
- Enzymes
- Vitamins
- Biostimulants
- Carboxylic Acid
- Tryptophan
- Fruit Growers



LIZEER N

- Organic Matter
- Nitrogen
- Amino acid
- D2-N1-A1
- Fulvic Acids
- Nitrogen Inhibitor
- Organic Carbon
- Organic Acid
- Enzymes
- Vitamins
- Biostimulants
- Carboxylic Acid



LIZEER P

- Organic Matter
- Nitrogen
- Phosphorus (Poly Phosphate)
- Amino Acid
- Zinc
- D1-N1-A1
- Fulvic Acids
- Organic Carbon
- Organic Acid
- Enzymes
- Vitamins
- Biostimulants
- Carboxylic Acid
- Florists

PRODUCT SPECIFICATIONS

- **Optimises Chlorophyll Production:** **X GROW N** has been specially developed to optimise chlorophyll production in plants. Its unique ingredients support the structure of chlorophyll molecules and ensure that these molecules have the capacity to capture the highest energy in photosynthesis. As a result, plants can capture more light energy and their photosynthesis capacity increases.
- **Improves Shoot and Leaf Development:** **X GROW N** plays a critical role in shoot and leaf development of plants. Its active ingredients stimulate cellular growth and division, increasing shoot length and promoting leaf development.
- **Maximises Photosynthetic Capacity:** **X GROW N** promotes the expansion of the leaf surface of plants. This allows plants to produce more carbohydrates and energy by increasing their photosynthetic capacity. This increase in energy production improves plant growth rate and productivity, while at the same time increasing plant resilience.
- **Provides Superior Resistance to Harsh Conditions:** **X GROWN** increases the ability of plants to adapt to harsh environmental conditions (cold, heat, drought). Its nutrients and stimulants enable plants to maintain optimal nutrition even under stress. This helps plants to continue their growth process and minimises yield losses. **X GROW N** is designed to optimise important metabolic processes such as rapid nutrient absorption, chlorophyll production, shoot and leaf development, photosynthetic efficiency, fruit quality and adaptation to harsh conditions.



X GROW N



WHAT IS X GROW N?

Chlorophyll cells are the cells that give green colour to the plant. It contains plant nutrients, enzymes and L-form amino acids necessary for the formation of chlorophyll and is specially formulated with **TRIPLE HELIX TECHNOLOGY** to be taken under high pH soil conditions.

ORGANOMINERAL PRODUCTS NITROGENOUS LIQUID ORGANOMINERAL FERTILISER

GUARANTEED CONTENT

Total Organic Matter	w/w
Total Nitrogen (N)	% 10
Urea Nitrogen (NH ₂ -N)	% 20
Ammonium Nitrogen (NH ₄)	% 12,6
Nitrate Nitrogen (NO ₃)	% 3,2
Water Soluble Magnesium Oxide (MgO)	% 4,2
Free Amino Acids	% 2
pH	% 2
	4-6

RECOMMENDED APPLICATION RATES

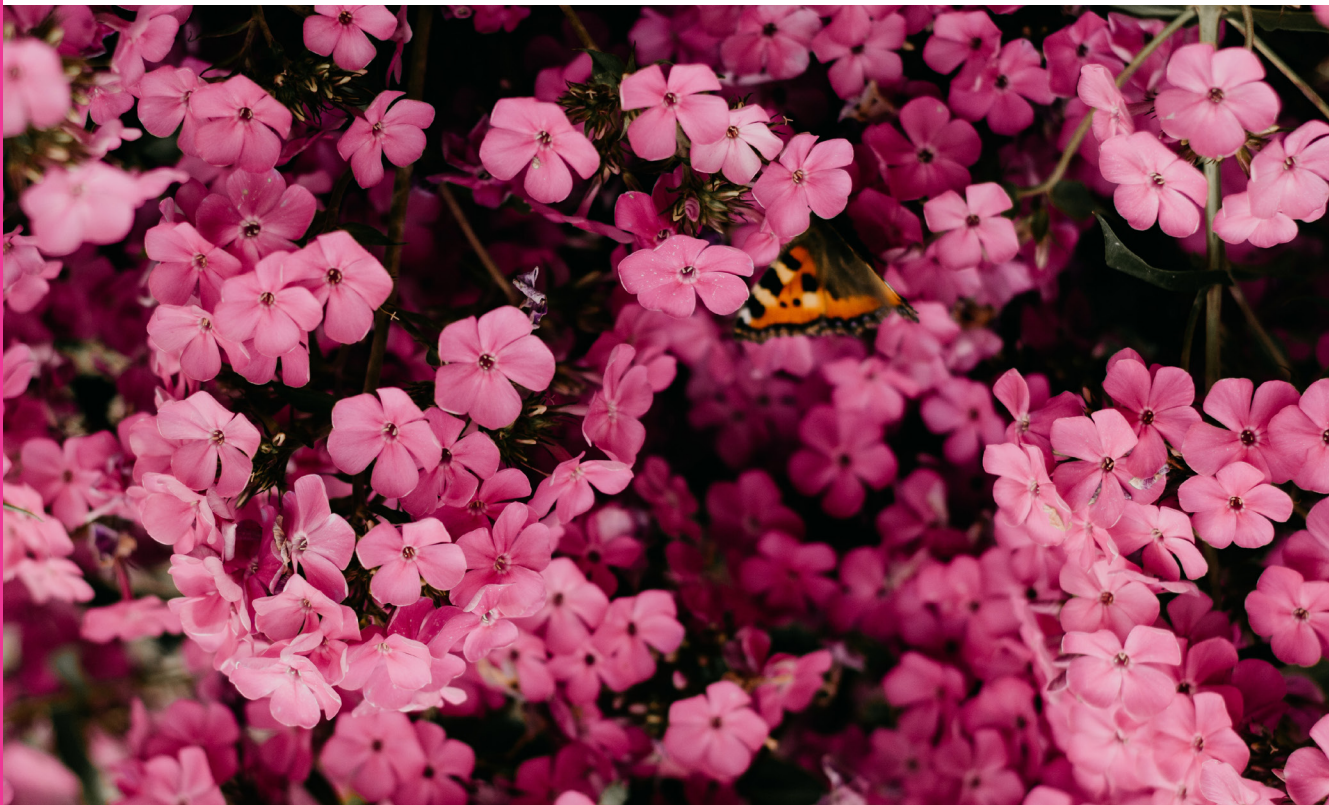
PRODUCTS	APPLICATION SHAPE	APPLICATION DOSE
Field and Industrial Crops	Drip	1 Lt - 3 Lt /da
Open Field, Vegetable and Greenhouses	Drip	1 Lt - 3 Lt /da
Fruit Trees and Vineyard	Drip	1 Lt - 3 Lt /da



X GROW N

PRODUCT SPECIFICATIONS

- **Flower Potential Enhancing Effect: X GROW P** accelerates the formation of flower buds, allowing more flower potential to emerge. This feature increases the productivity of plants and increases fruit yield by enabling more flower formation.
- **Pollen Tube and Healthy Flower Formation: X GROW P** promotes fruit formation by increasing pollen tube formation in plants' flowers and optimising fertilisation processes. This results in more and better quality fruit. **X GROW P** regulates the flowering process of plants and promotes the formation of healthy and high-quality flowers. These healthy flowers support the growth of stronger and more balanced fruits.
- **Providing Maximum Energy for Plant Development: X GROW P** accelerates plant growth by increasing ATP as an energy source for plants. This helps plants grow faster and healthier.
- **Improving Root Development: X GROW P** supports the development of plants' root systems, enabling them to better anchor in the soil and absorb nutrients more efficiently. This contributes to a more robust, durable and healthy growth of plants. Furthermore, strengthening the root system protects plant health by helping plants to better adapt to harsh abiotic stress conditions (cold, heat, drought, etc.). In this way, plants become more resilient and grow more successfully even under harsh environmental conditions.
- **Persistent Phosphorus Efficiency: X GROW P** provides high efficiency to plant growers by leaving permanent and effective phosphorus traces in the soil. This special formula prevents phosphorus from forming strong bonds with other elements in the soil, while providing plants with a continuous and available source of phosphorus. In this way, plants grow healthier and more efficiently, while eliminating the problem of phosphorus loss or binding.



X GROW P



WHAT IS X GROW P?

X GROW P is formulated to support rooting and flowering processes. It is complexed with plant nutrients, growth regulators, enzymes, activators and amino acids in L- form. Designed with **TRIPLE HELIX TECHNOLOGY**, which works effectively under high pH conditions, this formulation can be taken up 100% by plants without binding in the soil.

ORGANOMINERAL PRODUCTS LIQUID ORGANOMINERAL FERTILISER WITH NP

GUARANTEED CONTENT	w/w
Total Organic Matter	% 10
Total Nitrogen (N)	% 3
Urea Nitrogen (NH ₂ -N)	% 3
Total Phosphorus Penta Oxide (P ₂ O ₅)	% 30
Water Soluble Phosphorus Penta Oxide (P ₂ O ₅)	% 30
Free Amino Acids	% 2
Water Soluble Zinc (Zn)	% 2
pH	2-4

RECOMMENDED APPLICATION RATES

PRODUCTS	APPLICATION SHAPE	APPLICATION DOSE
Field and Industrial Crops	Drip	1 Lt - 3 Lt /da
Open Field, Vegetable and Greenhouses	Drip	1 Lt - 3 Lt /da
Fruit Trees and Vineyard	Drip	1 Lt - 3 Lt /da



X GROW P

PRODUCT SPECIFICATIONS

- **Improves the Quality and Flavour of Fruits:** **GROW K** supports the growth process of plants and contributes to a richer and more attractive taste, colour and aroma of fruits. Especially for fruit growers, it makes it easier to obtain better quality and flavourful fruits.
- **Provides Water Balance and Reduces Stress:** By regulating the opening and closing of stomata in plants, it ensures the water balance of the plant and prevents it from entering water stress. This helps plants to be more resistant to environmental stresses such as drought or overwatering and protects plant health.
- **Increases Fruit Fullness:** **GROW K** increases the internal plumpness of fruits, helping them to be larger, fuller and more nutritious. This increases the market value of the products and provides consumers with more satisfying and flavourful fruits.
- **Fast and Effective Effect:** It enters the body of the plant quickly and allows it to rapidly absorb potassium. Thus, plants quickly overcome potassium deficiency and support fruit growth. At the same time, it promotes homogenous fruit formation and provides more regular and consistent fruit development.
- **Hydrogen Transport System:** **GROW K** regulates the electron transport chain of plants by co-operating with hydrogen transport chain enzymes. This chain includes oxidative phosphorylation and ATP production processes.

GROW K promotes healthy plant growth and improves fruit quality, resulting in a more productive and profitable crop. Thanks to its advanced technology, it meets the potassium needs of plants in the most effective and efficient way, so that healthier and stronger plants and abundant crops can be obtained.



GROW K



WHAT IS GROW K?

GROW K is a special formulation designed with **TRIPLE HELIX TECHNOLOGY** to improve the quality of fruits (taste, colour, aroma, etc.), regulate the water balance of the plant and the opening and closing of stomata, and is 100% extractable from the soil.

ORGANOMINERAL PRODUCTS WITH NK LIQUID ORGANOMINERAL FERTILISER

GUARANTEED CONTENT

Total Organic Matter	w/w
Total Nitrogen (N)	% 10
Urea Nitrogen (NH ₂ -N)	% 3
Water Soluble Potassium Oxide (K ₂ O)	% 3
Ph	% 20
	9-11

RECOMMENDED APPLICATION RATES

PRODUCTS	APPLICATION SHAPE	APPLICATION DOSE
Field and Industrial Crops	Drip	1 Lt - 3 Lt /da
Open Field, Vegetable and Greenhouses	Drip	1 Lt - 3 Lt /da
Fruit Trees and Vineyard	Drip	1 Lt - 3 Lt /da



GROW K

PRODUCT SPECIFICATIONS

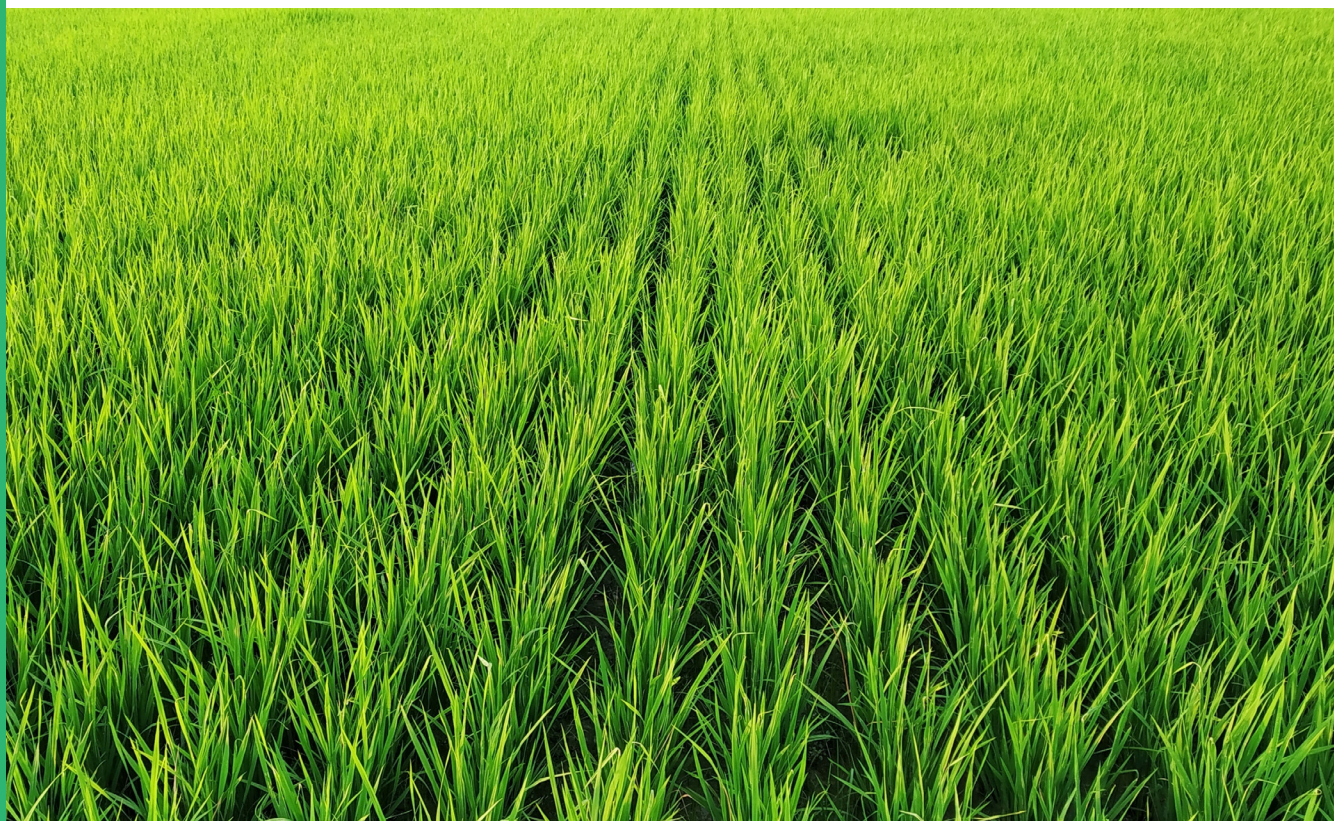
- **Nitrogen Metabolism Improvement:** Nitrogen is an essential nutrient for plants and plays a critical role in key metabolic processes such as chlorophyll production. **LIZEER N** fertiliser offers plants a stable nitrogen supply through a slow-release form of nitrogen. This ensures a continuous supply of nitrogen essential for the plant's nitrogen metabolism.

- **Promote Chlorophyll Synthesis:** Chlorophyll forms the green pigment of plants and is an essential component for photosynthesis. Photosynthesis is a fundamental process by which plants produce food by capturing solar energy. **LIZEER N** fertiliser promotes the use of nitrogen in the synthesis of chlorophyll molecules in plant cells, which increases the photosynthetic capacity of plants.

- **Slow Release and Even Distribution:** Thanks to its slow release feature, **LIZEER N** ensures that nitrogen is distributed evenly to the plants. It allows plants to be taken up more efficiently by their roots.

- **Plant Growth and Development:** **LIZEER N** fertiliser contains various enzymes and minerals to support plant growth and development. This promotes root growth, helps the plant absorb more nutrients from the soil and improves overall plant health.

As a result, **LIZEER N** fertiliser produces positive effects on plant metabolism. It ensures a regular and slow uptake of nitrogen as an important source for nitrogen metabolism, chlorophyll production and other essential processes, which allows for healthy plant growth and high yields.



LIZEER N



WHAT IS A LIZEER N?

LIZEER N is formulated with special ingredients to offer precise and effective control of plant nitrogen management. It is designed with **TRIPLE HELIX TECHNOLOGY** to optimise and efficiently regulate nitrogen uptake by plants.

ORGANOMINERAL PRODUCTS NITROGENOUS LIQUID ORGANOMINERAL FERTILISER

GUARANTEED CONTENT

Total Organic Matter	w/w
Total Nitrogen (N)	% 10
Urea Nitrogen (NH ₂ -N)	% 18
pH	% 18
	6-8

RECOMMENDED APPLICATION RATES

PRODUCTS	APPLICATION SHAPE	APPLICATION DOSE
Field and Industrial Crops	Drip	1 Lt - 3 Lt /da
Open Field, Vegetable and Greenhouses	Drip	1 Lt - 3 Lt /da
Fruit Trees and Vineyard	Drip	1 Lt - 3 Lt /da



LIZEER N

PRODUCT SPECIFICATIONS

- **Flowering Promoter: LIZEER P** increases the production of hormones that regulate the flowering process of plants. These hormones help plants develop flower buds rapidly. This allows plants to produce more flowers.
- **Root Development Enhancer: LIZEER P** effectively nourishes the root systems of plants and stimulates the growth of these roots. It allows the roots to absorb more water and nutrients. This helps the plant to get more benefit from the soil.
- **Increasing Fruit Eye Formation: LIZEER P** forms more fruit eyes on the branches of plants. This increases the capacity of plants to produce fruit. It also encourages fruit eyes to be healthier and more balanced.
- **Flower Quality Enhancer: LIZEER P** ensures that plant flowers are in a better condition in terms of colour, size and health. This optimises pollination and fertilisation processes, promoting the formation of better quality fruit.
- **Energiser: LIZEER P** increases the production of ATP (adenosine triphosphate), which produces energy for plants. This makes plants grow faster and accelerates their cellular activity. More energy allows the plant to perform better under stress conditions.
- **Pollen Quality Enhancer: LIZEER P** promotes the formation of healthier pollen in the flowers of plants. This improves the pollination process and increases fruit yield.
- **Does Not Bond with Lime in Soil 100% Absorbability: LIZEER P** does not interact with lime in the soil, which allows the product to work better in the soil and prevents phosphorus from binding in the soil. It is completely absorbed and utilised by plants. This ensures that the plant is fed quickly and positive results are seen faster.



LIZEER P



WHAT IS LIZEER P?

LIZEER P is designed with **TRIPLE HELIX TECHNOLOGY**, enriched with biochemical components developed to optimise the rooting and flowering processes of plants.

ORGANOMINERAL PRODUCTS WITH NP LIQUID ORGANOMINERAL FERTILISER

GUARANTEED CONTENT

Total Organic Matter	w/w	% 10
Total Nitrogen (N)		% 3
Urea Nitrogen (NH ₂ -N)		% 3
Total Phosphorus Penta Oxide (P ₂ O ₅)		% 20
Water Soluble Phosphorus Penta Oxide (P ₂ O ₅)		% 20
Water Soluble Zinc (Zn)		% 0,5
pH		2-4

RECOMMENDED APPLICATION RATES

PRODUCTS	APPLICATION SHAPE	APPLICATION DOSE
Field and Industrial Crops	Drip	1 Lt - 3 Lt /da
Open Field, Vegetable and Greenhouses	Drip	1 Lt - 3 Lt /da
Fruit Trees and Vineyard	Drip	1 Lt - 3 Lt /da



LIZEER P



WHAT ARE SOIL REGULATORS?

The basis of agriculture is healthy plant growth and a productive harvest. To achieve this goal, it is important to optimise soil quality, and this is where special soil conditioners come into play. Special soil conditioners are special formulations designed to improve the physical, chemical and biological properties of soil, support better plant growth and increase productivity.

These regulators are usually organic or mineral based and are specially designed to improve soil structure, increase water holding capacity and enable nutrients to be utilised more effectively. Soils may have compacted, sandy or clayey structures, but special soil conditioners target these problems, optimising soil structure and breaking the magnetic bonds of plant nutrients that are bound in the existing soil so that they can be easily taken up by plant roots.

The advantages of specialised soil conditioners include improved water absorption, stimulation of root growth, increased resistance to plant diseases and more efficient uptake of nutrients by plants. Furthermore, these regulators can reduce soil erosion and support sustainable agricultural practices.

Shaping the future of agriculture, specialised soil conditioners can help modern farmers make the most of their soils and promote a more sustainable farming model.

SPECIAL SOIL CONDITIONERS



ORGANOX

- Organic Matter
- Organic Nitrogen
- Amino acid
- Fulvic Acids
- Organic Carbon
- N1
- Potassium
- Humic Acid
- Organic Acid
- Enzymes
- Vitamins
- Biostimulants



X GROW UP

- Organic Matter
- Organic Nitrogen
- Amino acid
- Fulvic Acids
- Organic Carbon
- D2-N1-A1
- Potassium
- Humic Acid
- Organic Acid
- Enzymes
- Vitamins
- Biostimulants
- Alginic Acid



FEED BOX

- Solution 1
- Solution 2
- Solution 3

PRODUCT SPECIFICATIONS

- **Provides Subsoil Development and Capillary Root Formation of the Plant:** **ORGANOX** develops the root system, the subsoil structures of the plant. While the roots of plants fulfil the function of absorbing water and nutrients, capillary roots are important to increase this absorption and enable the plant to interact more effectively with the soil.
- **Ensures the uptake of nutrients that have formed strong bonds in the soil:** **ORGANOX** facilitates the delivery of nutrients that are difficult to be taken up by the roots in the soil to the plant through ionic attraction forces. Thanks to interactions between ions, these elements can be taken up more efficiently by the plant.
- **Increases the Activity and Number of Living Microorganisms in Soil:** **ORGANOX** promotes the proliferation of beneficial microorganisms (e.g. bacteria and fungi) in the soil. These microorganisms help plant roots to better absorb nutrients and increase soil fertility.
- **When used with other elements, it allows the elements to be easily taken up without binding in the soil:** **ORGANOX** stabilises nutrients through its chelates and organic compounds, allowing these elements to be easily taken up by the roots without binding in the soil.
- **Provides Easier Breakdown of Plant Residues in Soil:** **ORGANOX** accelerates the processes of decomposing organic matter in the soil, encouraging plant residues to decompose more quickly and form a source of organic matter for the soil.
- **Promotes Rooting of Shocked Seedlings by Awakening:** **ORGANOX** accelerates the rooting process of seedlings under stress, helping seedlings grow faster.
- **Regulates Water, Air and C/N Ratio in Soil:** **ORGANOX** regulates the movement of water in the soil, maintains air spaces and optimises the carbon/nitrogen ratio, providing a suitable environment for plant growth.



ORGANOX



WHAT IS ORGANOX?

ORGANOX is specially designed to bring the microbial activity, physical and chemical structure of the soil to optimal conditions.

ORGANIC PRODUCTS LIQUID ORGANIC FERTILISER OF VEGETABLE ORIGIN

GUARANTEED CONTENT	w/w
Total Organic Matter	% 30
Organic Carbon	% 10
Organic Nitrogen	% 1
Water Soluble Potassium Oxide (K ₂ O)	% 1
pH	4-6

RECOMMENDED APPLICATION RATES

PRODUCTS	APPLICATION SHAPE	APPLICATION DOSE
Field and Industrial Crops	Drip Method	1Lt-3Lt/da
	Leaf	200 cc/100 Lt water
Open Field, Vegetable and Greenhouses	Drip Method	1Lt-3Lt/da
	Leaf	200 cc/100 Lt water
Fruit Trees and Vineyard	Drip Method	1Lt-3Lt/da
	Leaf	200 cc/100 Lt water



ORGANOX

PRODUCT SPECIFICATIONS

- **Amino Acid and Enzyme Content:** **X GROW UP** contains a variety of amino acids and enzymes that are essential for plants to grow and adapt to stress conditions. They are the basic building blocks for protein synthesis, cellular reactions and metabolic processes of plants.
- **Protein Synthesis:** The amino acids contained in **X GROW UP** increase the protein synthesis of plants. This is essential for plants to rebuild their cells and grow. It also helps plants to become more resistant to stress conditions.
- **Stomata Regulation:** **X GROW UP** regulates plants' stomata, the tiny pores that allow leaves to exchange gases. The opening and closing of stomata increases the ability of plants to photosynthesise and reduces water loss under stress conditions.
- **Chlorophyll Increase:** **X GROW UP** increases the production of chlorophyll by plants. Chlorophyll is an essential pigment that enables plants to convert light into energy. In this way, plants capture more solar energy and grow healthier.
- **Chelating Effect:** **X GROW UP** helps plants to better absorb the nutrients supplied to them. This allows plants to take up nutrients from the soil more effectively.
- **Growth Regulator:** **X GROW UP** increases the synthesis and effect of hormones that regulate plant growth. With this feature, it enables plants to grow in a more balanced and healthy way.



X GROW UP



WHAT IS X GROW UP?

X GROW UP is a formulation containing plant nutrients enriched with fulvic acid, organic acid and amino acids, designed with **TRIPLE HELIX TECHNOLOGY** to improve the soil structure and to ensure that plant nutrients that have formed strong bonds in the soil can be easily taken by the plant.

ORGANIC PRODUCTS

LIQUID ORGANIC FERTILISER CONTAINING AMINO ACIDS OF PLANT ORIGIN

GUARANTEED CONTENT	w/w
Total Organic Matter	% 30
Organic Carbon	% 15
Organic Nitrogen	% 3
Water Soluble Potassium Oxide (K ₂ O)	% 2
Free Amino Acids	% 8

RECOMMENDED APPLICATION RATES

PRODUCTS	APPLICATION SHAPE	APPLICATION DOSE
Field and Industrial Crops	Drip Method	1Lt-3Lt/da
	Leaf	200 cc/100 Lt water
Open Field, Vegetable and Greenhouses	Drip Method	1Lt-3Lt/da
	Leaf	200 cc/100 Lt water
Fruit Trees and Vineyard	Drip Method	1Lt-3Lt/da
	Leaf	200 cc/100 Lt water



X GROW UP

PRODUCT SPECIFICATIONS

Liberation of Elements: **FEED BOX** dissolves the chemical bonds of essential nutrients (P, Fe, Zn, Mn, Cu, Mg) bound by lime in the soil, making them available to plants for 21 days. This ensures that these elements, which are essential for the growth and development of plants, are supplied more efficiently.

Reducing the Effect of Lime: Lime in the soil can raise the soil pH, which can create an unsuitable environment for plants. **FEED BOX** balances soil pH and minimises the negative effects of lime, promoting healthy plant growth.

Lowering the pH Level of the Rhizosphere: The rhizosphere is the region of soil around plant roots and is an area that plants use to take up nutrients. **FEED BOX** lowers the pH levels in this area, allowing nutrients to be better dissolved by the plants' roots. This helps plants take up the nutrients they need more effectively.

Increasing Fertiliser Efficiency: **FEED BOX** prevents fertilisers from binding in the soil, which allows fertilisers to be more effectively absorbed and used by plants. This makes fertiliser use more efficient.

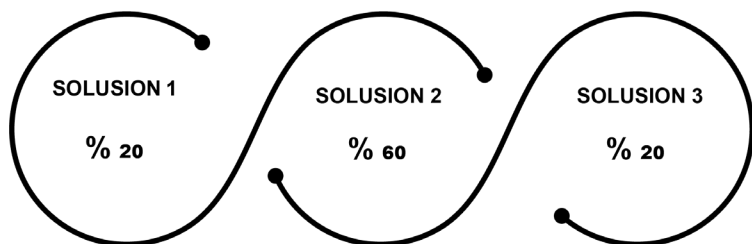
Stimulating Root Development: By improving the physical structure of the soil, it increases root development. This allows plants to develop deeper and stronger root systems. This helps plants to take up more water and nutrients.

Preventing the formation of a hardened layer on the soil surface: **FEED BOX** prevents the formation of a layer of clods, which is a hardened layer that can form on the soil surface. This allows the seeds to grow and develop in an organised manner, which allows plant breeders to obtain more homogeneous and high-yielding crops.

FEED BOX is a technological solution that helps modern agriculture to achieve better productivity in a scientific and sustainable way.



FEED BOX



WHAT IS FEED BOX?

Thanks to its 3 different basic formulas, it dissolves lime in soils and eliminates the magnetic property of lime for 21 days. In this way, it allows the elements extracted from lime to be easily absorbed by plants in the soil.

pH Regulator

RECOMMENDED APPLICATION RATES		
PRODUCTS	APPLICATION SHAPE	APPLICATION DOSE
Field and Industrial Crops	Drip	1 Lt - 3 Lt /da
Open Field, Vegetable and Greenhouses	Drip	1 Lt - 3 Lt /da
Fruit Trees and Vineyard	Drip	1 Lt - 3 Lt /da



FEED BOX



DNA FERTILIZER

www.dnafertilizer.com



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