

PLANT NUTRITION  
IS THE BASIS FOR GOOD PLANT HEALTH



**SETO**  
plant nutrients



# Duro Hoja<sup>®</sup>

EXPLORE THE DIFFERENCE!



## Explore What?

- > The specially selected **different** formulations as may be used in plant
- > A **different**, 100% special activated microelements
- > Activation agents to create a **difference** in plant
- > A high efficiency **difference** through less usage
- > **Different** organic compounds ensuring plant development

## Formulations:

- > 18.18.18+TE
- > 16.8.32+TE
- > 12.12.36+TE
- > 9.36.18+TE
- > 16.8.24+2MgO+TE
- > 8.16.32+2MgO+TE
- > 25.20.10+TE
- > 20.10.20+TE
- > 18.18.18+TE (NON UREA)
- > 16.8.24+TE (NON UREA)
- > 15.5.30+TE (NON UREA)
- > 10.40.10+TE
- > 10.52.10+TE





Seto A.Ş. was founded by the leading producers who were reputed in a variety of areas within the agriculture sector in 1982.

Established for the purpose of incorporation of carrying out seed breeding and trading, Seto A.Ş. acted as the Turkish representative for the Dutch seed company Enza Zaden for a period of 24 years up to 2007.

Likewise, Kimta A.Ş., which was incorporated by the same partners in 1977 and served in the chemical and fertilizer sectors for many years, was the Turkish representative for the internationally recognized Finnish company Kemira for 15 years and carried out the import and sale of 10,000 tons of water-soluble fertilizer in 2006. Upon the information that the Finnish company would withdraw from the fertilizer sector, our company accelerated its restructuring and has soon after commissioned all the presently owned facilities of Seto A.Ş. as of 2006.

The subjects of activity of Seto A.Ş. and Kimta A.Ş. were joined together under Seto A.Ş.'s roof in 2009 and, thus, it achieved its current structure.

Our company operates on a land of 9.000 m<sup>2</sup> including 6.000 m<sup>2</sup> indoor factory space located at the Antalya Organized Industrial Zone belonging to the company.

Thanks to the innovative investments launched during 2015, 2016 and 2017, our company enjoys state-of-the-art fertilizer production technology. Our plant has attained 15,000 tons of solid and 3,000 tons of liquid production capacity annually. Along with the high production capacity, a variety of new, high added value products have been introduced.

We reach our farmers particularly through the trademarks **Durohoja®**, **Ferticare®**, **Fertigold®**, **Premium®**, **Fertimix®**, **Fertisoil®**, **FertiFerro®**, **Ferrum®**, **Vagrant®**, **Fertichem®**, **Blacksoil®**, **Navigator®** and **Drogan®** for which registration was obtained for water-soluble NPK products.

Our company has a range of more than 250 plant nutrition products in solid and liquid form as licensed and registered by the Ministry of Food, Agriculture and Livestock of Turkey. It has been serving to the agricultural sector with its sales and technical staff consisting of agricultural engineers.



EC FERTILIZER  
**Premium**  
Water Soluble Fertilizer



**FERTISOIL**  
NPK



EC FERTILIZER  
**FertiGold**  
Water Soluble Fertilizer

**Combination of purity and quality.**

**Fertilizer with easily absorbable elements.**

**Product suitable for foliar applications.**

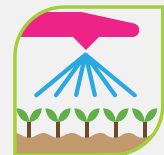
Our NPK series products have emerged as a result of special techniques and researches in order to introduce solutions for the different needs of each producer. It can be conveniently applied in all kinds of irrigation systems and all plant species owing to highly soluble, prime quality raw materials.



**WATER SOLUBLE NPK  
FOR DRIP & SPRING IRRIGATION**

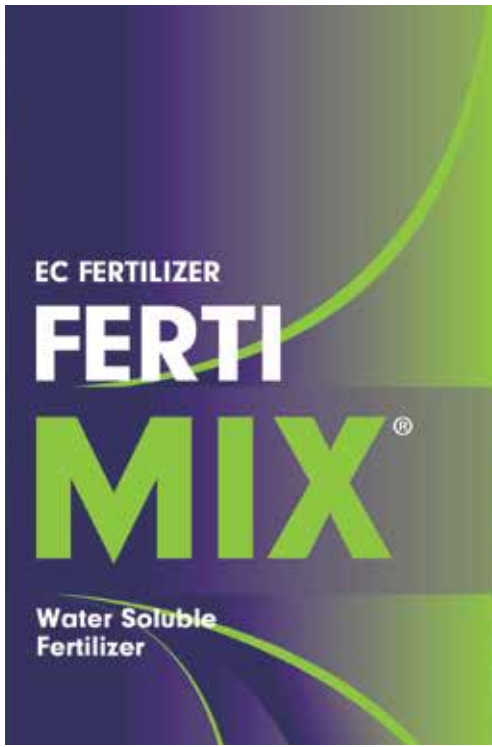


**WATER SOLUBLE NPK  
FOR DRIP & SPRING IRRIGATION**



**WATER SOLUBLE NPK  
FOR FOLIAR APPLICATIONS**





**Fertilizer applicable in the first and every step.**



**Perfect homogeneous mixture.**



**Meets the soil and plant need**

The NPK product family of Seto A.Ş. offers a wide range of high quality plant nutrients which are completely soluble in water. Due to their acidic properties, NPK series products provide unique benefits in meeting the additional nutritional requirements in alkaline soils and hard water conditions.



**WATER SOLUBLE NPK FOR DRIP & SPRING IRRIGATION**



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**WATER SOLUBLE NPK FOR DRIP & SPRING IRRIGATION**



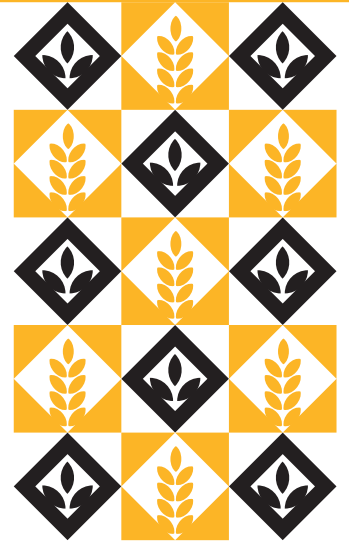
**BLACKSOIL**  
EC FERTILIZER



**NAVIGATOR**



EC FERTILIZER  
**DROGAN**



**High purity  
fertilizer.**

**Effective and highly  
soluble product.**

**Product with price and  
expectation balance.**

These are our products with appropriate balance between quality and price.

These products play an active role in ensuring optimum plant nutrition through all kinds of irrigation systems.



**WATER SOLUBLE NPK  
FOR DRIP & SPRING IRRIGATION**



**WATER SOLUBLE NPK  
FOR DRIP & SPRING IRRIGATION**



**WATER SOLUBLE NPK  
FOR DRIP & SPRING IRRIGATION**



EC FERTILIZER  
**FertiGold**  
Water Soluble Fertilizer



**Maximum efficiency.**

EC FERTILIZER  
**FERTICHEM®**



**Added value to your plant.**

*Duro Hoja®*

ICT 19



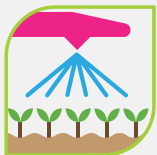
*High Performans*

**SETO**

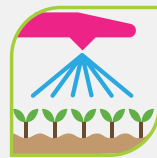


**Product suitable for leaf applications.**

Our NPK series products for foliar applications have a wide range of applications from greenhouse products to fruit trees, from all field crops to ornamental plants and grass fields. Plant growth and development are supported by these products with effective raw materials enriched with appropriate additives and secondary plant nutrients (Fe, Mn, Zn, B, Cu, Mo).



**WATER SOLUBLE NPK FOR FOLIAR APPLICATIONS**



**WATER SOLUBLE NPK FOR FOLIAR APPLICATIONS**



**WATER SOLUBLE NPK FOR FOLIAR APPLICATIONS**



# TERRA GRAND®

PLANT ORIGIN LIQUID ORGANIC FERTILIZER



# PLANTA MASS®

LIQUID ORGANIC FERTILIZER OF PLANT ORIGIN



# CANOLEX®

LIQUID ORGANOMINERAL FERTILIZER WITH NP



## Added value to poor soil.

TERRA GRAND, is a wholly organic fertilizer of vegetable origin as a result of the physical process of materials of plant origin and having a high intensity due to the production method.



### PLANT ORIGIN LIQUID ORGANIC FERTILIZER

GUARANTEED CONTENTS	(w/w)%
Total Organic Matter	45
Organic Carbon	15
Total Nitrogen (N)	4
Organic Nitrogen (N)	2,2
Ammonium Nitrogen (N-NH <sub>4</sub> )	1,8
Water Soluble Potassium Oxide (K <sub>2</sub> O)	2
pH Range	4 - 6
Density (gr/cm <sup>3</sup> )	1,25

## Natural plant based fertilizer oriented to plant.

PLANTA MASS, is a fertilizer consisting of completely soluble components which are only slightly washed away from the soil. With a rapid change, it improves soil fertility and structure. It forms a stable humus.



### PLANT ORIGIN LIQUID ORGANIC FERTILIZER

GUARANTEED CONTENTS	(w/w)%
Total Organic Matter	35
Total (Humic + Fulvic) Acid of Plant Origin	15
Total Nitrogen (N)	2
Water Soluble Potassium Oxide (K <sub>2</sub> O)	3
pH Range	4 - 6
Density (gr/cm <sup>3</sup> )	1,20

## It prevents economic loss and provides a resistance.

CANOLEX, develops strong branching capability in canola and wheat, barley. It tolerates the low sowing density. It enhances the ability of the sown species to emerge and to produce new shoots.



### PLANT ORIGIN LIQUID ORGANIC FERTILIZER

GUARANTEED CONTENTS	(w/w)%
Total Organic Matter	10
Total Nitrogen (N)	3
Nitrate Nitrogen (NO <sub>3</sub> -N)	0,5
Urea Nitrogen (N-NH <sub>2</sub> )	1,5
Organic Nitrogen (N)	1
Total Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> )	7
Water Soluble Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> )	7
Water Soluble Zinc (Zn)	2
Free Amino Acids	2
pH Range	3 - 5
Density (gr/cm <sup>3</sup> )	1,05

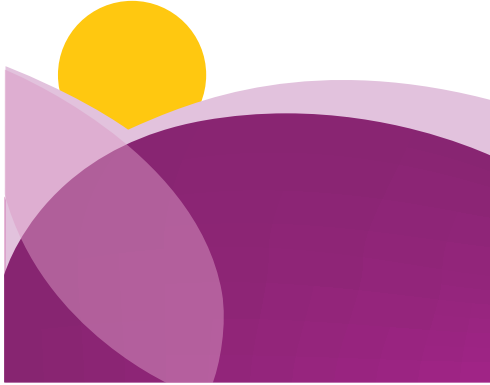




**NK**  
5-0-5+ME

**TORQ  
FORCE®**

Liquid Organomineral Fertilizer With NK



### The power enhancing rich harvest.

TORQ NK FORCE, ensures balanced nutrition by being used immediately after the flowering period of plants, and during the fruit / seed set period, and, in case of ornamental plants, during the budding period, and, in case of field crops, during the tuber formation period.



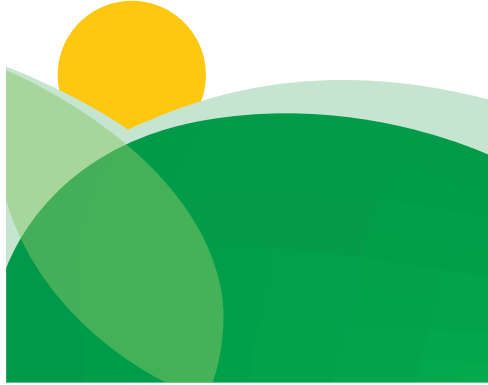
#### LIQUID ORGANOMINERAL FERTILIZER WITH NK

GUARANTEED CONTENTS	(w/w)%
Total Organic Matter	25
Total Nitrogen (N)	5
Organic Nitrogen (N)	2
Urea Nitrogen (N-NH <sub>2</sub> )	3
Water Soluble Potassium Oxide (K <sub>2</sub> O)	5
Water Soluble Boron (B)	0,05
Water Soluble Copper (Cu)	0,05
Total Iron (Fe)	0,35
Water Soluble Manganese (Mn)	0,25
Water Soluble Molybdenum (Mo)	0,003
Water Soluble Zinc (Zn)	0,35
Free Amino Acids	3,25
pH Range	6 – 8
Density (gr/cm <sup>3</sup> )	1,25

**NP**  
5-5-0+ME

**TORQ  
FORCE®**

Liquid Organomineral Fertilizer With NP



### Carries more power to flowers.

TORQ NP FORCE, ensures balanced nutrition by being used before and during the flowering stages of plants. It facilitates the activation of a stronger and more balanced flowering mechanism in plants.



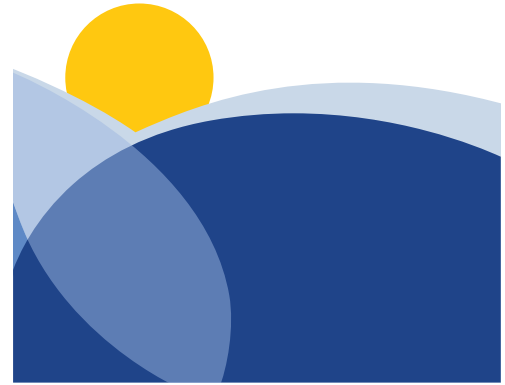
#### LIQUID ORGANOMINERAL FERTILIZER WITH NP

GUARANTEED CONTENTS	(w/w)%
Total Organic Matter	25
Total Nitrogen (N)	5
Organic Nitrogen (N)	2
Urea Nitrogen (N-NH <sub>2</sub> )	3
Total Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> )	5
Water Soluble Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> )	5
Water Soluble Boron (B)	0,05
Water Soluble Copper (Cu)	0,05
Total Iron (Fe)	0,35
Water Soluble Manganese (Mn)	0,25
Water Soluble Molybdenum (Mo)	0,003
Water Soluble Zinc (Zn)	0,35
Free Amino Acids	3,25
pH Range	2 – 4
Density (gr/cm <sup>3</sup> )	1,25

**NPK**  
4-4-4+ME

**TORQ  
FORCE®**

Liquid Organomineral Fertilizer With NPK



### Maximum availability for balanced development.

TORQ NPK FORCE, ensures balanced nutrition by being used, in case of field crops, during the tuber, bulb, bud formation, grain-filling, and, in case of fruit and ornamental plants, after the budding stage and during the growth and ripening periods



#### LIQUID ORGANOMINERAL FERTILIZER WITH NPK

GUARANTEED CONTENTS	(w/w)%
Total Organic Matter	25
Total Nitrogen (N)	4,5
Organic Nitrogen (N)	2,2
Urea Nitrogen (N)	2,3
Total Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> )	4
Water Soluble Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> )	4
Water Soluble Potassium Oxide (K <sub>2</sub> O)	4
Water Soluble Boron (B)	0,05
Water Soluble Copper (Cu)	0,05
Total Iron (Fe)	0,35
Water Soluble Manganese (Mn)	0,25
Water Soluble Molybdenum (Mo)	0,003
Water Soluble Zinc (Zn)	0,35
Free Amino Acids	3,25
pH Range	2,5 – 4,5
Density (gr/cm <sup>3</sup> )	1,25



# VITALEX®

Plant Origin Liquid Organic Fertilizer Containing Amino Acid



# 40

# VITALEX®

Plant Origin Liquid Organic Fertilizer Containing Amino Acid



# 80

# VITALEX®

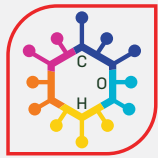
Plant Origin Liquid Organic Fertilizer Containing Amino Acid



# 180

## Adds extra value to your field.

VITALEX 40 is an amino acid added liquid organic fertilizer of plant origin developed for use in, specifically, cool climate plants, hot climate cereals, legumes, industrial plants for field crops, and during the period from emergence until harvest for feed crops.

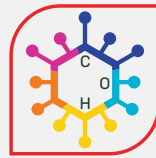


### PLANT ORIGIN LIQUID ORGANIC FERTILIZER CONTAINING AMINA ACID

GUARANTEED CONTENTS	(w/w)%
Total Organic Matter	30
Organic Carbon	10
Organic Nitrogen (N)	3
Water Soluble Potassium Oxide (K <sub>2</sub> O)	3
Free Amino Acids	4
pH Range	3,5 – 5,5
Density (gr/cm <sup>3</sup> )	1,2

## Ensures the fruit development.

VITALEX 80 is a product developed for fruit trees. It is an amino acid added liquid organic fertilizer of plant origin developed for use during the period from the appearance of the first leaf until harvest for fruit growing.

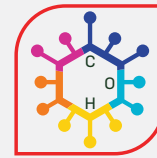


### PLANT ORIGIN LIQUID ORGANIC FERTILIZER CONTAINING AMINA ACID

GUARANTEED CONTENTS	(w/w)%
Total Organic Matter	30
Organic Carbon	15
Organic Nitrogen (N)	3
Water Soluble Potassium Oxide (K <sub>2</sub> O)	3
Free Amino Acids	8
pH Range	3 – 5
Density (gr/cm <sup>3</sup> )	1,2

## Ensures continuity and good health for vegetables.

VITALEX 180 is an amino acid added liquid organic fertilizer of plant origin developed for use in, specifically, tomato, pepper, cucumber, aubergine, zucchini, melon, watermelon for cultivated vegetable species and during the period from seedling formation until harvest for winter vegetables.



### PLANT ORIGIN LIQUID ORGANIC FERTILIZER CONTAINING AMINA ACID

GUARANTEED CONTENTS	(w/w)%
Total Organic Matter	35
Organic Carbon	15
Organic Nitrogen (N)	3
Water Soluble Potassium Oxide (K <sub>2</sub> O)	1
Free Amino Acids	18
pH Range	3,5 – 5,5
Density (gr/cm <sup>3</sup> )	1,2



# VITALEX<sup>®</sup> POWER AA

Animal Origin Liquid Organic Fertilizer



# ZEMAX

Animal Origin Liquid Organic Fertilizer



5-0-30

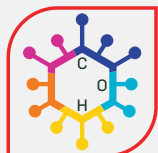
# POLI K-30<sup>®</sup>

LIQUID ORGANOMINERAL FERTILIZER WITH NK



## Paves the way for maximum efficiency.

Thanks to the high rate of animal origin liquid organic nitrogen, organic carbon, organic matter, L-form free amino acid, and, additionally, a high percentage of raw amino acids, **VITALEX POWER AA** plays a permanent role in plant and fruit development until harvest.

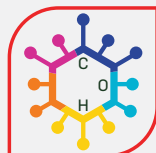


### ANIMAL ORIGIN LIQUID ORGANIC FERTILIZER CONTAINING AMINO ACID

GUARANTEED CONTENTS	(w/w)%
Total Organic Matter	50
Organic Carbon	24
Organic Nitrogen (N)	8
Free Amino Acids	8
pH Range	6.0 - 6.5
Density (gr/cm <sup>3</sup> )	1.20

## It provides fruit with a higher nutritional value.

**ZEMAX** is an organic fertilizer and recommended for all crop farming as a bio-stimulant for fruits, flowers, leaves and roots.



### ANIMAL ORIGIN LIQUID ORGANIC FERTILIZER CONTAINING AMINO ACID

GUARANTEED CONTENTS	(w/w)%
Total Organic Matter	50
Organic Carbon	24
Organic Nitrogen (N)	8
Water Soluble Potassium Oxide (K <sub>2</sub> O)	1,80
Free Amino Acids	8
pH Range	6.0 - 6.5
Density (gr/cm <sup>3</sup> )	1.20

## Ensures rapid and regular plant growth with (K).

**POLI K-30 PLUS**, encourages enlargement and maturation. It favorably affects the transfer of the effects of photosynthesis to the fruit. It reduces discoloration associated with lack of lighting.



### FRUIT ENLARGEMENT IMPROVER

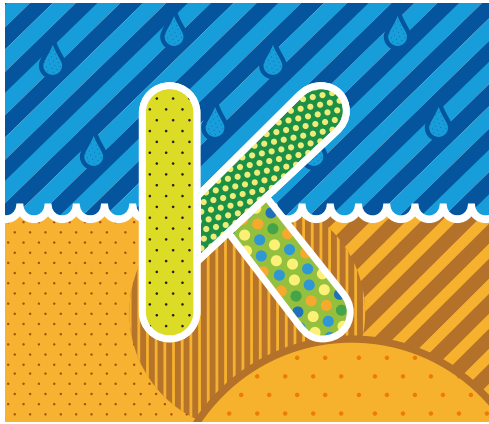
GUARANTEED CONTENTS	(w/w)%
Total Organic Matter	10
Total Nitrogen (N)	5
Urea Nitrogen (NH <sub>2</sub> -N)	5
Water Soluble Potassium Oxide (K <sub>2</sub> O)	30
Free Amino Acids	3
Density (gr/cm <sup>3</sup> )	1,40





# NOVA K-HUMATE®

POTASSIUM HUMATE



## Removes soil exhaustion.

Along with its content of a high rate of organic matters, **NOVA K-HUMATE** contains a marked rate of potassium and a high rate of humic and fulvic acid. It has a chelating character.



### POTASSIUM HUMATE

GUARANTEED CONTENTS	(w/w)%
Total Organic Matter	60
Total (Humic+Fulvic) Acid	65
Water Soluble Potassium Oxide (K <sub>2</sub> O)	> 12
pH Range	8 - 8,5
Moisture (Maximum)	< 5 - 6



# TERRA HUMICA®

LIQUID

HUMIC ACID IN LIQUID FORM



## More powerful, stronger crops.

Thanks to its humic and fulvic acid contents, **TERRA LIQUID HUMICA** ensures the added nutrients to become useful and prevents losses.

By dissolving the hard structure within the soil, it ensures plant root growth and regulates the physical and chemical structures of the earth.



### HUMIC ACID IN LIQUID

GUARANTEED CONTENTS	(w/w)%
Total Organic Matter	12
Total (Humic+Fulvic) Acid	12
Water Soluble Potassium Oxide (K <sub>2</sub> O)	3
pH Range	7 - 9
Density (gr/cm <sup>3</sup> )	1,12



# ATLANTIS®

SEAWEED POWDER



## Encourages the strong and healthy growth of plants.

**ATLANTIS SEAWEED POWDER**, is used as a special product which relieves the plants under stress and ensures the fast-paced and effective maintenance of the normal development.



### POWDER SEA WEED

GUARANTEED CONTENTS	(w/w)%
Total Organic Matter	45
Water Soluble Potassium Oxide (K <sub>2</sub> O)	18
Alginic Acid	5
EC dS/m	37,1
pH Range	7 - 9



SOLID ORGANOMINERAL FERTILIZER WITH NP

# CAL LUS<sup>®</sup>



# RADI MASTER<sup>®</sup>

# RADI FORCE<sup>®</sup>

## Connects your plant to earth with strong roots.

**CALLUS**, enhances and encourages sucking, hairy (capillary) root and tap root growth. Further, it is a special product which supports the growth of roots without causing stress and stimulates the healthier survival of vegetation.

## Source of biological simulator for root zone.

**RADI MASTER** is a source of biological stimulator for plant roots enriched with poliol, alguronate, amino acids and nucleotides. **RADI MASTER** is assimilated by the plant at a fast pace. It has a neutral charging character. They are not affected from the electrical activities within the plant and root zone.

## Ensures fast-paced and regular rooting of plant.

**RADI FORCE** ensures the fast and regular rooting of the plant, the formation of healthy rooting and a greater use of the nutrient elements within the soil by the plant. It is a specially designed organomineral root booster of plant origin.



### ROOT DEVELOPMENT REGULATORS

GUARANTEED CONTENTS	(w/w)%
Total Organic Matter	30
Total Nitrogen (N)	6
Organic Nitrogen (N)	1
Ammonium Nitrogen (N-NH <sub>4</sub> )	5
Total Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> )	30
Water Soluble Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> )	30
EDTA Chelated Zinc (Zn - EDTA)	2
pH Range	2 - 4



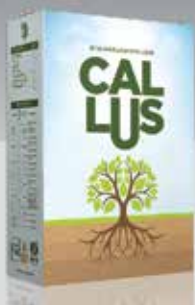
### ROOT DEVELOPMENT REGULATORS

GUARANTEED CONTENTS	(w/w)%
Total Organic Matter	20
Total Nitrogen (N)	4
Ammonium Nitrogen (N-NH <sub>4</sub> )	1,5
Urea Nitrogen (N-NH <sub>2</sub> )	2,5
Total Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> )	7
Water Soluble Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> )	7
Free Amino Acids	3
pH Range	4 - 6
Density (gr/cm <sup>3</sup> )	1,2



### ROOT DEVELOPMENT REGULATORS

GUARANTEED CONTENTS	(w/w) %
Total Organic Matter	35
Organic Carbon	15
Total Nitrogen (N)	2
Water Soluble Potassium Oxide (K <sub>2</sub> O)	3
pH Range	5 - 7
Density (gr/cm <sup>3</sup> )	1,2





### Special fertilizer shortening the internodes of plant stem.

TRAZOL is a product decelerating cell division, and therefore, cell reproduction, in plants as parallel with the dosage used. It is observed a shortening of the internodes in plants, thickening of the plant stems, strengthening of flower structure in plants, and a better growth of the fruit.



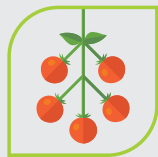
#### PHOTOSYNTHESIS AND PLANT GROWTH REGULATORS

GUARANTEED CONTENTS	(w/w)%
Total Nitrogen (N)	5
Urea Nitrogen (N-NH <sub>2</sub> )	5
Total Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> )	5
Water Soluble Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> )	5
Water Soluble Potassium Oxide (K <sub>2</sub> O)	5
pH Range	2 - 4
Density (gr/cm <sup>3</sup> )	1,16



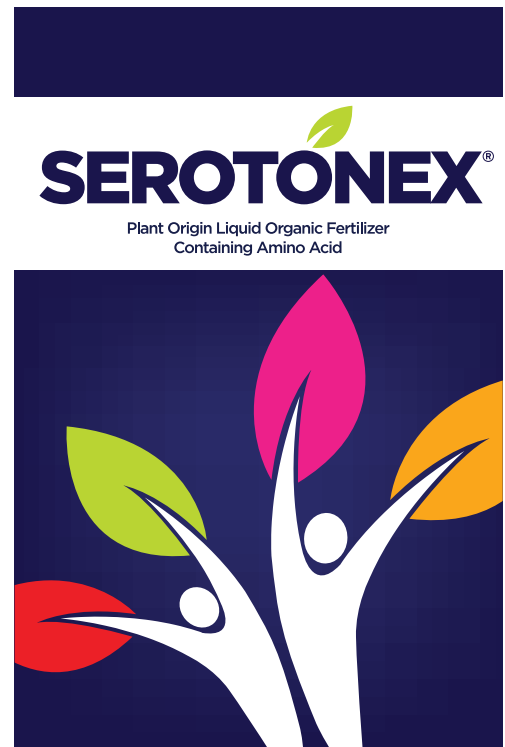
### A leader of quality flower and fruit setting.

MAXI BLOOM 15 eliminates the phenomenon of blindness in flowers which may occur as a result of the duty as commonly assumed by its content of amino acids and coenzymes of an essential character.



#### POLLINATION AND FRUIT SET

GUARANTEED CONTENTS	(w/w)%
Total Organic Matter	25
Total Nitrogen (N)	5
Urea Nitrogen (N-NH <sub>2</sub> )	3
Total Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> )	15
Water Soluble Boron (B)	0,05
Water Soluble Copper (Cu)	0,01
Total Iron (Fe)	0,07
Water Soluble Manganese (Mn)	0,05
Water Soluble Molybdenum (Mo)	0,01
Water Soluble Zinc (Zn)	2
pH Range	2 - 3
Density (gr/cm <sup>3</sup> )	1,2



### Get the abiotic stress under control in plants.

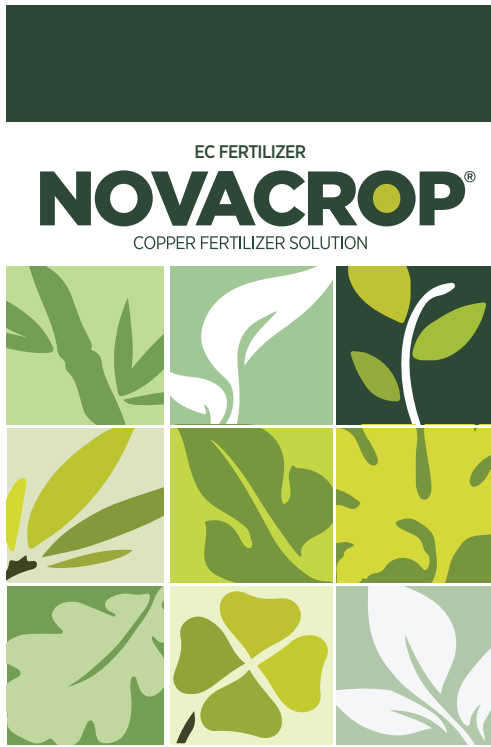
SEROTONEX is an organic product eliminating plant stress consisting of a variety of nutrients and plant growth regulators having the highest values such as polyols, lipids, soluble proteins, soluble fibers, essential metabolites, stimulants, vitamins, vitamins, fatty acids, signal molecules, antibiotics factors, nucleobases, short chain peptides, organic acids.



#### PLANT SELF-DEFENCE ENHANCERS

GUARANTEED CONTENTS	(w/w)%
Total Organic Matter	20
Organic Carbon	6,5
Organic Nitrogen (N)	2
Free Amino Acids	6,5
pH Range	4 - 5
Density (gr/cm <sup>3</sup> )	1,18





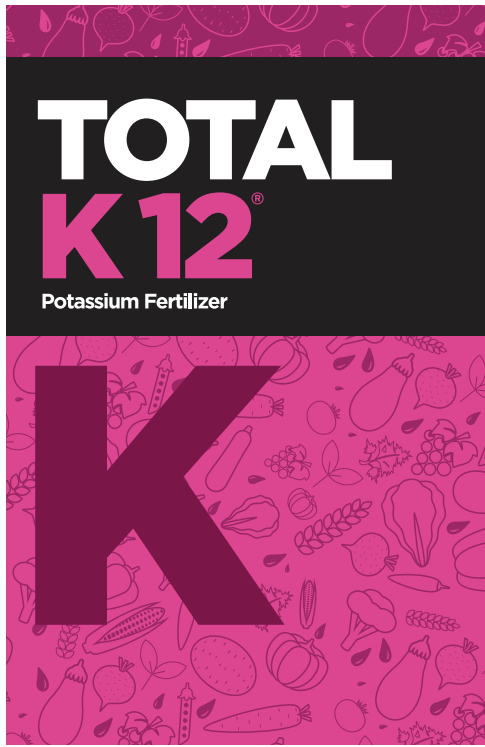
## Establishes an apron while nourishing.

**NOVACROP** is a product with a systemic action which can conveniently be used in cases whereby hard-to-solve infections within parts of plant (leaf, branch, body, transmission bundles, root collar, damages on fruit, seedling, sapling plantings, etc.) are intensively observed and which successfully reduces economic losses.



### PLANT SELF-DEFENCE ENHANCERS

GUARANTEED CONTENTS	(w/w)%
Water Soluble Copper (Cu)	3
pH Range	4 – 5
Density (gr/cm <sup>3</sup> )	1,26



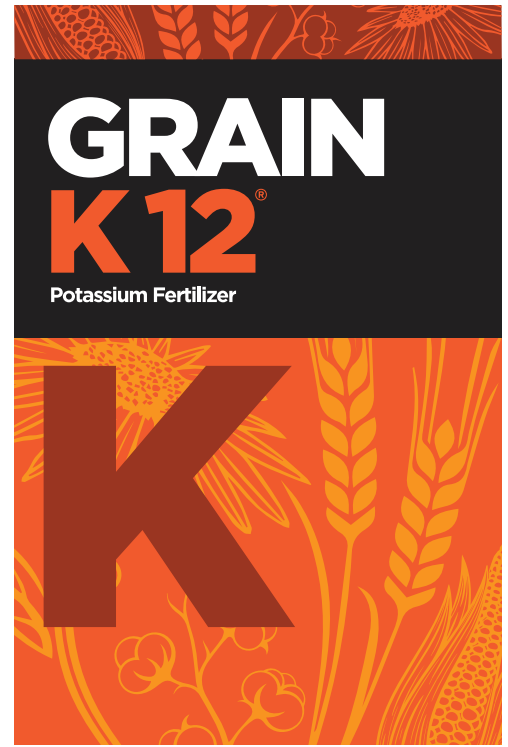
## Enlarges safely and healthfully

Thanks to its special potassium ingredient, **TOTAL K 12** facilitates enzyme activity and photosynthesis and the carriage of plant nutrients and photosynthesis products, and increases the protein contents and dry matters, regulates turgescence, prevents dehydration and withering in plants.



### PLANT SELF-DEFENCE ENHANCERS

GUARANTEED CONTENTS	(w/w)%
Water Soluble Potassium Oxide (K <sub>2</sub> O)	12
Water Soluble (SiO <sub>2</sub> )	25
pH Range	10 – 11
Density (gr/cm <sup>3</sup> )	1,3



## Natural silicon potassium fertilizer.

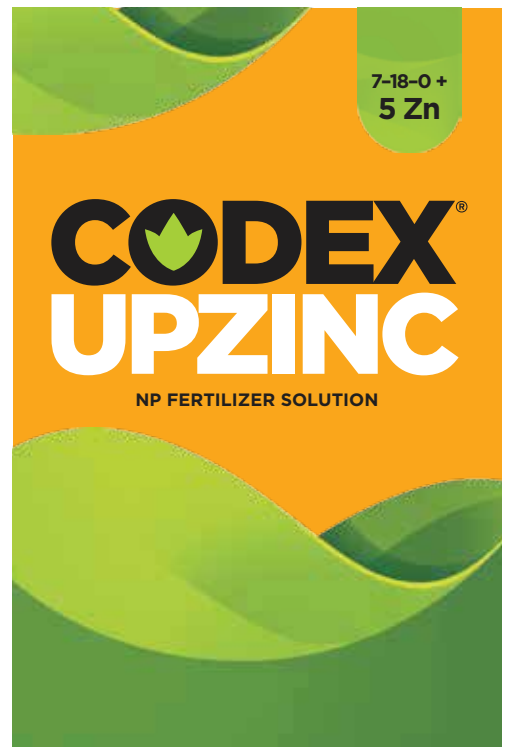
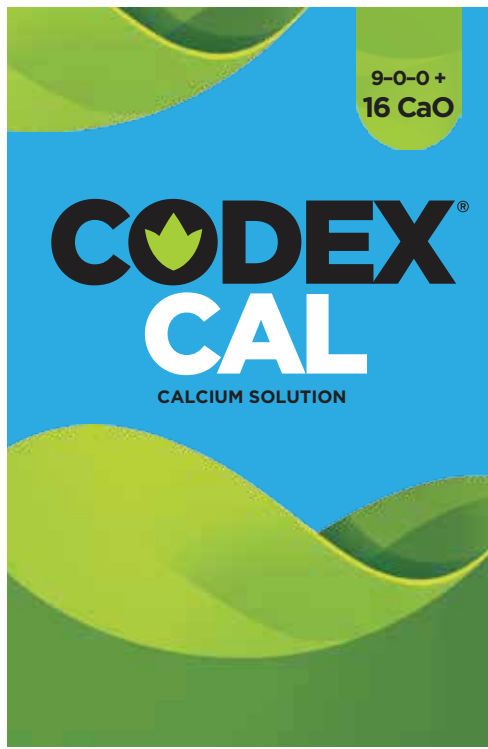
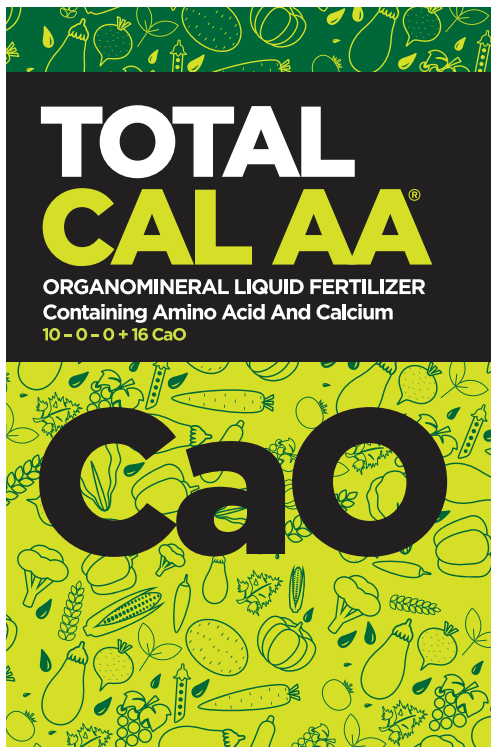
**GRAIN K 12** positively affects the development of the reproductive organs in cereal crops, particularly paddy rice, owing to its special silicon ingredient. It plays a role in the elimination of spikelet sterility.



### PLANT SELF-DEFENCE ENHANCERS

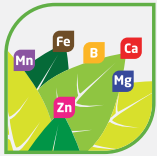
GUARANTEED CONTENTS	(w/w)%
Water soluble potassium oxide ( K <sub>2</sub> O)	12
Water Soluble (SiO <sub>2</sub> )	25
pH Range	10 – 11
Density (gr/cm <sup>3</sup> )	1,3





## Special calcium carrier.

TOTAL CAL AA, is a special product formulated for application to leaves and using all types of irrigation systems in case of commonly observed deficiencies of calcium (Ca).

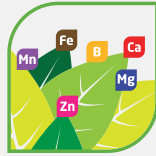


### ORGANOMIERAL FERTILIZER CONTAINING AMINO ACID & CALCIUM

GUARANTEED CONTENTS	(w/w) %
Total Organic Matter	10
Total Nitrogen (N)	10
Organic Nitrogen (N)	0,5
Ammonium Nitrogen (N-NH <sub>4</sub> )	1
Nitrate Nitrogen (N-NO <sub>3</sub> )	8,5
Water Soluble Calcium Oxide (CaO)	16
Water Soluble Boron (B)	0,15
Free Amino Acids	3,5
pH Range	3 - 5
Density (gr/cm <sup>3</sup> )	1,4

## For high quality and strong product.

CODEX CAL is an economic product consisting of nitrogen and a high rate of water soluble calcium oxide (CaO) as useful for plants and applied during the vegetative growth, at the flowering and fruit set stages, and during the pre-harvest period.

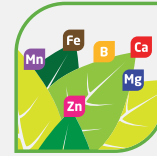


### CALCIUM SOLUTION 9 - 0 - 0 + 16 CaO

GUARANTEED CONTENTS	(w/w) %
Total Nitrogen (N)	9
Ammonium Nitrogen (N-NH <sub>4</sub> )	0,5
Nitrate Nitrogen (N-NO <sub>3</sub> )	8,5
Water Soluble Calcium Oxide (CaO)	16
Water Soluble Boron (B)	0,17
pH Range	5 - 6
Density (gr/cm <sup>3</sup> )	1,4

## Promoter of fertile flowering.

CODEX UPZINC is an economic product consisting of nitrogen (N), zinc (Zn) and a high rate of phosphorus (P<sub>2</sub>O<sub>5</sub>) as useful for plants and applied during the tillering and vegetative growth stages, and immediately before the flowering stage.



### NP FERTILIZER SOLUTION 7 - 18 - 0 + 5 Zn

GUARANTEED CONTENTS	(w/w) %
Total Nitrogen (N)	7
Urea Nitrogen (N-NH <sub>2</sub> )	7
Water Soluble Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> )	18
Water Soluble Zinc (Zn)	5
pH Range	2 - 3
Density (gr/cm <sup>3</sup> )	1,25



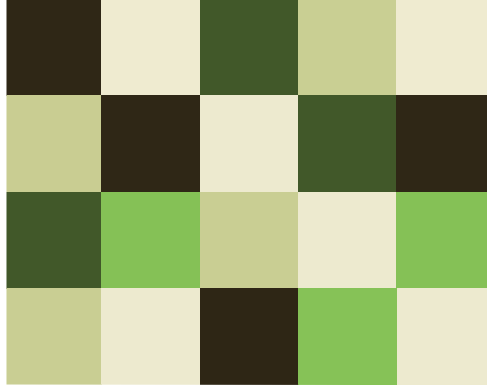




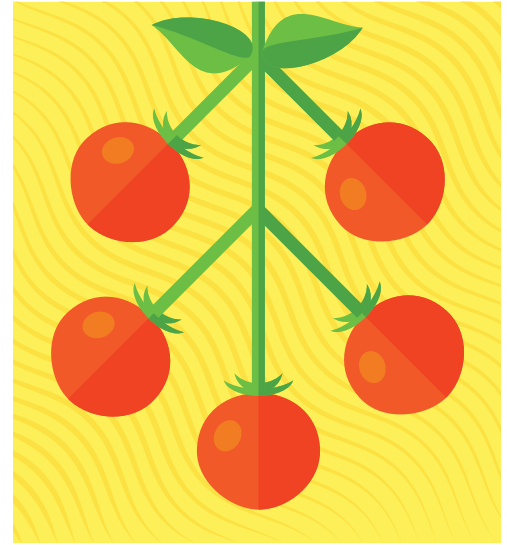
EC FERTILIZER  
**NOVABOR®**  
 BORON ETHANOL AMIN



**PLANTA  
 BOR®**  
 SOLUBLE POWDER BORON



**ACTIMORE**  
 MIXTURE OF MICRO PLANT NUTRIENTS



### Eliminates structural disorders in plants.

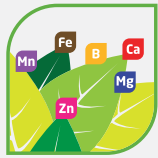
Thanks its content of synthesizing ethanolamine added (C<sub>2</sub>H<sub>7</sub>NO) boron, liquid **NOVA BOR** assists in eliminating hollow fruit formation, removing plant cell wall deformations, preventing cracked and suberized body formations.

### Boron (B) used in developed agricultural countries.

**PLANTA BOR** is a special, hundred percent soluble boron (B) derivative with ease of application and low amount of use in mixtures which is suitable for agricultural use. It is a product containing more than twenty percent boron owing to its rich content and which is being used with confidence in developed agricultural countries.

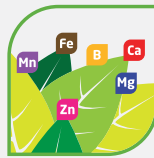
### Affects all generative reactions in the plant.

**ACTIMORE**, effectively meets the plant need for boron, molybdenum and zinc. It favorably affects all generative reactions in the plant, mainly flower formation.



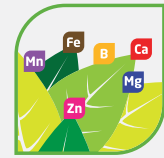
**BORON  
 ETHANOLAMINE**

GUARANTEED CONTENTS	(w/w) %
Water Soluble Boron (B)	12
pH Range	8 – 8,5
Density (gr/cm <sup>3</sup> )	1,3



**SOLUBLE POWDER  
 BORON**

GUARANTEED CONTENTS	(w/w) %
Water Soluble Boron (B)	20
pH Range	8,5



**MIXTURE OF MICRO  
 PLANT NUTRIENTS**

GUARANTEED CONTENTS	(w/w) %
Water Soluble Boron (B)	4
Water Soluble Molybdenum (Mo)	10
Water Soluble Zinc (Zn)	5
pH Range	6 - 7

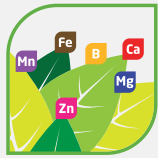


EC FERTILIZER  
**NOVACROP®**  
COPPER FERTILIZER SOLUTION

**Cu**  
10

**The purest and the most reliable state of copper.**

NOVACROP Cu 10 is a product formed as a complex through the special format included within the free copper solution. Thanks to this complex consisting of molecules having a natural structure comprising different sources, with copper lying at the core, transition of copper into plant can be very strong and fast-paced.



**COPPER BASED FERTILIZER SOLUTION**

GUARANTEED CONTENTS	(w/w) %
Water Soluble Copper (Cu)	10
pH Range	4 - 6
Density (gr/cm <sup>3</sup> )	1,2

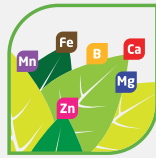


EC FERTILIZER  
**NOVACROP®**  
ZINC BASED FERTILIZER SOLUTION

**Zn**  
10

**Ensures an efficient transition of zinc into plant.**

NOVACROP Zn 10 is a product formed as a complex through the special format. Thanks to this complex consisting of molecules having a micronized structure consisting of different sources, with zinc lying at the core, transition of zinc into plant can be more reliable and efficient.



**ZINC BASED FERTILIZER SOLUTION**

GUARANTEED CONTENTS	(w/w) %
Water Soluble Copper (Zn)	10
pH Range	4 - 6
Density (gr/cm <sup>3</sup> )	1,2

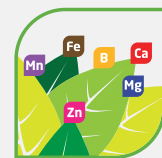


**NOVACROP®**  
NPK 8-4-12  
**CODEX MORE**  
NPK Fertilizer Solution



**Never stop keep going for fruit.**

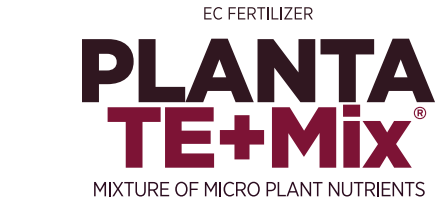
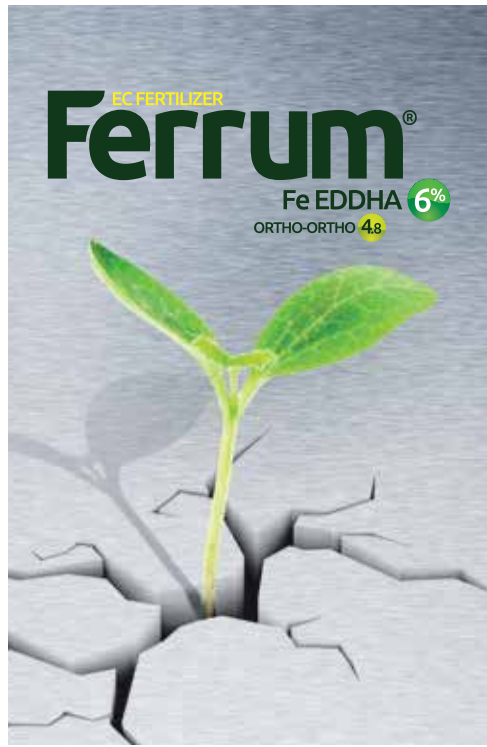
CODEX MORE 8-4-12 can readily be used in plant varieties which both shoot, flower and form fruit, and strive to grow their fruit during the same period such as tomatoes, cucumbers and eggplants.



**NPK FERTILIZER SOLUTION 8 - 4 - 12**

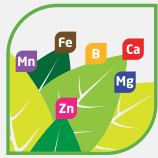
GUARANTEED CONTENTS	(w/w) %
Total Nitrogen (N)	8
Ammonium Nitrogen (N-NH <sub>4</sub> )	1
Nitrate Nitrogen (N-NO <sub>3</sub> )	3
Urea Nitrogen (N-NH <sub>2</sub> )	5
Total Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> )	4
Water Soluble Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> )	4
Water Soluble Potassium Oxide (K <sub>2</sub> O)	12
pH Range	6 - 7
Density (gr/cm <sup>3</sup> )	1,25





## Iron with high solubility.

FERTI FERRO is a product containing ortho-ortho 3,1% EDDHA chelate with high efficiency which prevents iron chlorosis and eliminates the problem. The chelating agent EDDHA contains a high amount of ortho-ortho isomer in its active form.

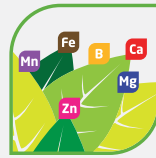


### SINGLE AND MULTIPLE DEFICIENCY CORRECTORS

GUARANTEED CONTENTS	(w/w) %
Water Soluble Iron (Fe)	6
EDDHA Chelated Iron (Fe)	6
pH Range of Stable EDDHA Chelate	3 - 9
Ortho-ortho	3,1

## For healthy crop nutrition.

FERRUM is a product which promotes iron uptake by plants even in highly alkaline and calcareous media and heals the plant thanks to its ortho-ortho 4.8 isomeric structure.

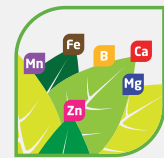


### SINGLE AND MULTIPLE DEFICIENCY CORRECTORS

GUARANTEED CONTENTS	(w/w) %
Water Soluble Iron (Fe)	6
EDDHA Chelated Iron (Fe)	6
pH Range of Stable EDDHA Chelate	3 - 10
Ortho-ortho	4,8

## Trace element safely and efficiently ingested.

PLANTA TE+Mix, prevents the occurrence of specific deficiency symptoms in plants which cannot obtain any one or several plant nutrients they need for development.



### SINGLE AND MULTIPLE DEFICIENCY CORRECTORS

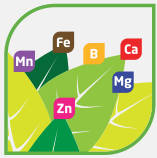
GUARANTEED CONTENTS	(w/w) %
Water Soluble Iron (Fe)	7
Water Soluble Zinc (Zn)	7
Water Soluble Manganese (Mn)	5
Water Soluble Boron (B)	1
Water Soluble Copper (Cu)	1
Water Soluble Molybdenum (Mo)	0,01
pH Range	3 - 3,5





## Economic solution.

MICRONAT, is a product which can be applied to plants through soil in case of deficiency of more than one micro elements observed in vegetable, fruit and open field production. MICRONAT has a high content of iron (Fe), zinc (Zn), manganese (Mn) and many trace elements such as boron (B), copper (Cu), molybdenum (Mo).

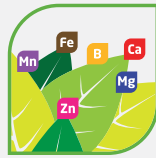


### SINGLE AND MULTIPLE DEFICIENCY CORRECTORS

GUARANTEED CONTENTS	(w/w) %
Water Soluble Boron (B)	0,5
Water Soluble Copper (Cu)	0,5
Water Soluble Iron (Fe)	6
Water Soluble Manganese (Mn)	3
Water Soluble Molybdenum (Mo)	0,01
Water Soluble Zinc (Zn)	6
pH Range	4 - 4,5

## Water-soluble micro-plant.

FERTIGOLD MICRO helps relieve the symptoms of yellowing, withering, curling and mottling caused by nutrient deficiencies in plants. It is applied into the soil. FERTIGOLD MICRO is a mixture of totally water-soluble micro-plant nutrients which meets the trace element requirements of plants.

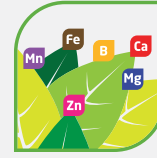


### SINGLE AND MULTIPLE DEFICIENCY CORRECTORS

GUARANTEED CONTENTS	(w/w) %
Water Soluble Boron (B)	1
Water Soluble Copper (Cu)	0,5
Water Soluble Iron (Fe)	4
Water Soluble Manganese (Mn)	3
Water Soluble Zinc (Zn)	4
pH Range	3 - 4

## Minimum nitrogen loss.

TOTAL UAN 32 is a safe source of nitrogen which can be directly added to micro-elements, herbicides and agricultural protection chemicals and can be used in every stage. It is the only fertilizer which contains three sources of nitrogen.



### SINGLE AND MULTIPLE DEFICIENCY CORRECTORS

GUARANTEED CONTENTS	(w/w) %
Total Nitrogen (N)	32
Nitrate Nitrogen (N-NO <sub>3</sub> )	8
Ammonium Nitrogen (N-NH <sub>4</sub> )	8
Urea Nitrogen (N-NH <sub>2</sub> )	16
pH Range	6,5 - 7
Density (gr/cm <sup>3</sup> )	1,15



5-0-25+40SO<sub>3</sub>

**FERTI<sup>®</sup>  
K-CORE**  
FERTILIZER SOLUTION WITH NK

**TERRA  
DESAL**

**TERRA<sup>®</sup>  
MASTER**  
EC FERTILIZER

### It ensures the achievement of the required EC value.

FERTI K-CORE, is a special fluid fertilizer with potassium and sulfur composition developed for plants in need of a high level of potassium during the fruit growth stage.

### Actively used for desalination.

TERRA DESAL, increases water permeability and decreases salinity because of its strong acidification in all kinds of soil conditions. It facilitates the dissolution of soil-bound nutrients and their uptake of by plants.

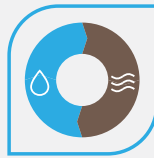
### Soil acidifier.

TERRA MASTER<sup>®</sup> is both a plant nutrient and soil acidifier. It wholly consists of efficient raw materials. It also contributes to plant energy and vitality thanks to a specific additive used in its production.



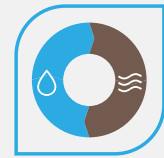
#### FRUIT RIPENESS ACTIVATOR

GUARANTEED CONTENTS	(w/w) %
Total Nitrogen (N)	5
Urea Nitrogen (NH <sub>2</sub> -N)	5
Water Soluble Potassium Oxide (K <sub>2</sub> O)	25
Water Soluble Sulfur Trioxide (SO <sub>3</sub> )	40
Density (gr/cm <sup>3</sup> )	1,40



#### ACTIVE DESALINATOR CATION HOLDER AND ION EXCHANGER

GUARANTEED CONTENTS	(w/w) %
Water Soluble Calcium (CaO)	7,28
Organic Matter	10
Complexing Agents	Lignosulfonicacids Polycarboxylic acids (mono and poly groups)
pH Range	1,5 - 2
Density (gr/cm <sup>3</sup> )	1,25
pH working Range Where The Product is Stable	1 - 9



#### SOIL ACIDIFIER

GUARANTEED CONTENTS	(w/w) %
Total Nitrogen (N)	21
Ammonium Nitrogen (NH <sub>4</sub> -N)	2
Urea Nitrogen (NH <sub>2</sub> -N)	19
Water Soluble Sulfur Trioxide (SO <sub>3</sub> )	21
pH Range	1 - 1,5
Density (gr/cm <sup>3</sup> )	1,3



EC FERTILIZER  
**Premium**  
Water Soluble Fertilizer

**P44**

Urea Phosphate  
17 - 44 - 0

**MAP**

Mono Ammonium Phosphate  
12 - 61 - 0



**MKP**

Mono Potassium Phosphate  
0 - 52 - 34



### An efficient source of nitrogen and phosphorus.

PREMIUM P-44 is especially effective when used for nourishing owing to its physical and chemical properties. It ensures an effectual increase in yield and quality.



WATER SOLUBLE NPK  
FOR DRIP & SPRING IRRIGATION

GUARANTEED CONTENTS	(w/w)%
Total Nitrogen (N)	17
Urea Nitrogen (N-NH <sub>2</sub> )	17
Total Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> )	44
pH Range	1,8 - 2,2

### A fertilizer which directly affects plant nutrition.

FERTICARE MAP is a water-soluble fertilizer in which high amounts of phosphorus can be supplied with nitrogen. It is the most economic product in meeting the need for phosphorus (P) in plants along with an appropriate amount of nitrogen (N).



WATER SOLUBLE NPK  
FOR DRIP & SPRING IRRIGATION

GUARANTEED CONTENTS	(w/w)%
Total Nitrogen (N)	12
Ammonium Nitrogen (N-NH <sub>4</sub> )	12
Water Soluble Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> )	61
pH Range	4 - 4,8

### Provides formation of prime quality fruit.

FERTICARE MAP, enables the acceleration of the growth of the plants in which potassium deficiency is observed and eliminates the yellowing on the edges of leaves. It has a hard-to-find feature for proper plant nutrition due to the absence of nitrogen.



WATER SOLUBLE NPK  
FOR DRIP & SPRING IRRIGATION

GUARANTEED CONTENTS	(w/w)%
Water Soluble Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> )	52
Water Soluble Potassium Oxide (K <sub>2</sub> O)	34
pH Range	4,4 - 4,8





## CALCIUM NITRATE

Calcium Nitrate  
15,5 - 0 - 0  
+26,5 CaO

## MAGNESIUM SULFATE

# FERTI MIX<sup>®</sup>

## MAGNESIUM NITRATE



### And indispensable nutrient for balanced development.

Calcium Nitrate, completely dissolves in water, facilitating calcium metabolism in plant. The nitrate nitrogen it contains also contributes to the uptake of other plant nutrients by plants in all types of soils.



#### WATER SOLUBLE NPK FOR DRIP & SPRING IRRIGATION

GUARANTEED CONTENTS	(w/w)%
Total Nitrogen (N)	15,5
Ammonium Nitrogen (N-NH <sub>4</sub> )	1
Nitrate Nitrogen (N-NO <sub>3</sub> )	14,5
Water Soluble Calcium Oxide (CaO)	26,5

### It has high solubility and purity grade.

The sulfur content of FERTIMIX Magnesium Sulfate is found as the constituent component of amino acids and enzymes in the plant. It can be used as water-soluble sulfur source. It contributes to the development of the plant in its normal course.



#### WATER SOLUBLE NPK FOR DRIP & SPRING IRRIGATION

GUARANTEED CONTENTS	(w/w)%
Water Soluble Magnesium Oxide (MgO)	16
Sulfur Trioxide (SO <sub>3</sub> )	28
pH Range	5,5 - 7,5

### Provides the energy required for the plant.

FERTICARE Magnesium Nitrate is a fertilizer which completely dissolves in water and contains the necessary magnesium needed for the plant. It contributes to a healthy photosynthesis to occur. It promotes the uptake of phosphorus and activates many enzymes in the plant.



#### WATER SOLUBLE NPK FOR DRIP & SPRING IRRIGATION

GUARANTEED CONTENTS	(w/w)%
Total Nitrogen (N)	10,5
Nitrate Nitrogen (N-NO <sub>3</sub> )	10,5
Water Soluble Magnesium Oxide (MgO)	15
pH Range	4 - 5



# NAVIGATOR

EC FERTILIZER



## N21 DCD



### 0-0-50



# NAVIGATOR

EC FERTILIZER



## LOW BIUREA

### Slow-release source of nitrogen.

NAVIGATOR N21 DCD is a fertilizer that allows the nitrogen transition from the ammonium state into plant-available state and displays slow release in the soil.



WATER SOLUBLE NPK FOR DRIP & SPRING IRRIGATION

GUARANTEED CONTENTS	(w/w) %
Total Nitrogen (N)	20,5
Ammonium Nitrogen (N-NH <sub>4</sub> )	20,5
DCD (Nitrification Inhibitor)	0,8

### Ideal source of potassium (K) and sulfur (SO<sub>3</sub>).

FERTICARE Potassium Sulfate completely dissolves and, therefore, potassium and sulfate are used for rapid plant growth. It can be conveniently used in situations where merely potassium is needed.

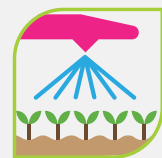


WATER SOLUBLE NPK FOR DRIP & SPRING IRRIGATION

GUARANTEED CONTENTS	(w/w) %
Water Soluble Potassium Oxide (K <sub>2</sub> O)	50
Water Soluble Sulfur Trioxide (SO <sub>3</sub> )	18

### Non-toxic nitrogen.

NAVIGATOR LOW BIUREA is suitable for application through leaves and with any kind of irrigation systems due to the ability to readily dissolve in water. It can be applied at high rates through the leaves during specific periods.



WATER SOLUBLE NPK FOR FOLIAR APPLICATIONS

GUARANTEED CONTENTS	(w/w) %
Total Nitrogen (N)	46
Urea Nitrogen (N-NH <sub>2</sub> )	46
Biuret	< 0,005 %







## CALMAG

13-0-0 +6MgO +16,5CaO



EC FERTILIZER  
**Premium**

**P-50**



**TERRA<sup>®</sup>  
NiT**  
Nitric Acid

### Compatible and easy uptake.

FERTICARE CALMAG, calcium and magnesium are in a form to promote easy uptake by plant. Thanks to nitrate nitrogen, it is not exposed to the chemical barriers of phosphate and sulfate, thus facilitating calcium ingestion.

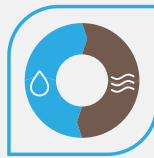


#### WATER SOLUBLE NPK FOR DRIP & SPRING IRRIGATION

GUARANTEED CONTENTS	(w/w) %
Total Nitrogen (N)	13
Nitrate Nitrogen (N-NO <sub>3</sub> )	13
Water Soluble Magnesium Oxide (MgO)	6
Water Soluble Calcium Oxide (CaO)	16,5

### Free from additives and transparent.

PREMIUM P-50 is effective on the generative development of the plant as a source of phosphorus. It is a product developed for the efficient use of drip irrigation systems.



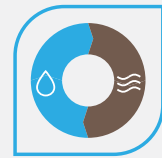
#### SOIL AND WATER REGULATORS

GUARANTEED CONTENTS	(w/w) %
Phosphoric Acid (H <sub>3</sub> PO <sub>4</sub> ) Technical	75
Water Soluble Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> )	51
pH Range	1 - 2

### Pure nitric acid for soil applications.

TERRA NIT is used to eliminate the occlusions which may clog the weeping hosepipes of the drip irrigation system in the course of time.

TERRA NIT also acts as a plant nutrient due to its remarkable content of nitrate nitrogen.



#### SOIL AND WATER REGULATORS

GUARANTEED CONTENTS	(w/w) %
Nitrate Nitrogen (N-NO <sub>3</sub> )	12
HNO <sub>3</sub> (Technical Grade)	56
pH Range	1 - 1,5







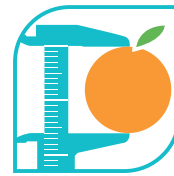
**PLANT NUTRITION IS THE BASIS FOR GOOD PLANT HEALTH**



WATER SOLUBLE NPK



HUMIC & FULVIC ACID AND ORGANIC MATTER



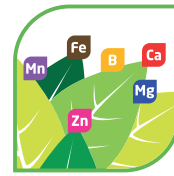
FRUIT ENLARGEMENT IMPROVER



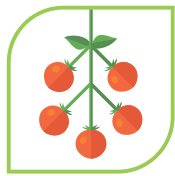
PLANT SELF-DEFENCE ENHANCERS



PHOTOSYNTHESIS AND PLANT GROWTH REGULATORS



SINGLE AND MULTIPLE DEFICIENCY CORRECTORS



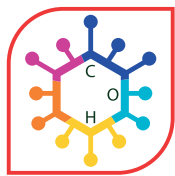
POLLINATION AND FRUIT SET



ORGANIC AND ORGANOMINERAL FERTILIZERS



ROOT DEVELOPMENT REGULATORS



AMINO ACID SOLUTIONS



SOIL AND WATER REGULATORS



**SUITABLE FOR ORGANIC FARMING** 

**ECOFRIENDLY SUSTAINABLE AGRICULTURE** 

**FREE FROM HEAVY METALS** 

**CHLORINE FREE** 

**COMPATIBILITY** 

**BALANCED pH** 

**PLANT ORIGIN** 

**NO RESIDUE** 

**HIGHEST PURITY** 

**FOLIAR APPLICATION** 

**DRIP & SPRING IRRIGATION** 

**USABLE EC** 



SETO SEBZE TOHURLARI GUBRE URETIM INSAAT TURIZM  
VE SANAYI TIC. ANONIM SIRKETI  
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