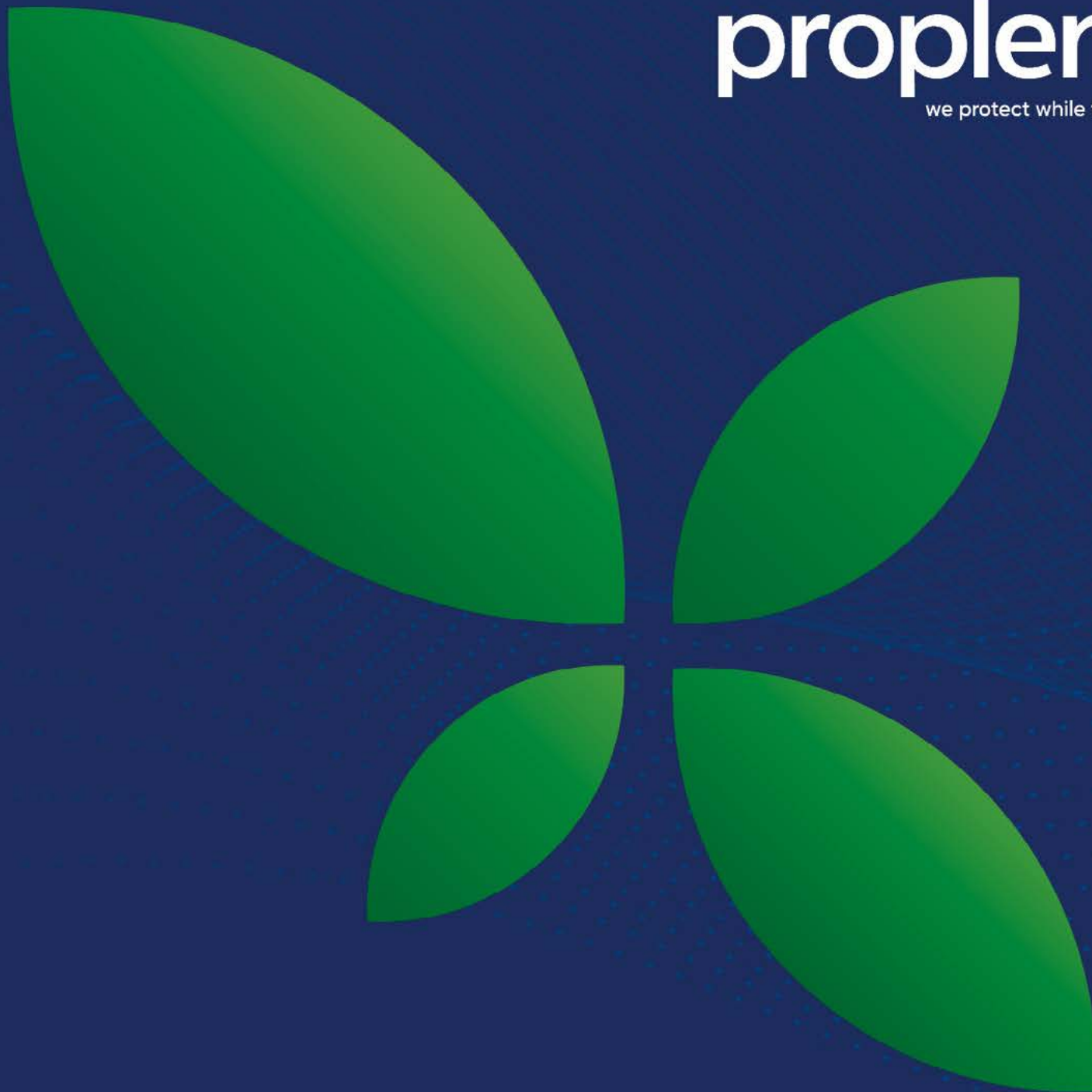


proplenty[®]
we protect while feeding



zero  loss
Technology



FROST  **GUARD**
Technology

Plant Nutrition
Product Cataloge

Who Are We

Takavcı Marble A.Ş. has started its commercial activities by entering the sector with **Takavcı Yapı Merkezi** company that established in 1970. After that, by continuing its half-century of experience and know-how with **Takavcı Marble Group of Companies**, it has reached the status of a leading group company in its sector, which can export to 75 countries today.

Takavcı Tarım A.Ş. is a subsidiary of Takavcı Marble Group of Companies.

Takavcı Marble A.Ş. has started its activities in Beyşehir in 2020 as **Takavcı Tarım A.Ş.** in order to manage and maintain its experience in the agricultural sector, which has been registered with half a century of success in its sector.

Takavcı Tarım has given life to the brand of **Proplenty** in order to bring innovative and awareness-raising plant nutrition products for our country and the world agriculture sector. The most important factor that makes our organic and organomineral plant nutrition products produced under the brand **Proplenty** to be superior and different from their competitors; are their innovative and patented production formulation technologies.

Our most important goal with our brand of **Proplenty**: To be a world brand that protects the soil, the environment and therefore the human being in the Plant Nutrition industry.

As **Takavcı Tarım A.Ş.** we are honored to offer our organic and organomineral plant nutrition products with farmers, which are produced in our production facilities with the latest technologies and that can effectively and professionally feed the cultivated plants and protect the soil and people while feeding.

Being aware of our responsibilities with our professional and expert team; In order to achieve effective, useful, awareness-raising innovative achievements, we continue and will continue all our works focused on R&D, Quality control and Technique.
Keywords belonging to the brand **Proplenty**;

Organic, R&D & Quality Focused, Low Dose High Efficiency, Innovative Formulation Technologies.

Chairman of the Board
Hasan Takavcı

What is Proplenty?

It is a 'Plant Nutrition' product brand that can protect while feeding...

Why Proplenty?

It has a technology that enables plant nutrition product formulations that can protect while feeding...

It will be an inspiring brand, because it will have imitations...

'what and who' Proplenty protects while feeding?

Our plant, our soil, our environment and as a result; our human...

How Proplenty manages to protect while feeding?

Sometimes just dreaming is enough to achieve the impossible...

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Innovative product
formulation
technologies
specially developed
for the Proplenty
brand;



To strengthen the
Immune system of the plant



Protecting While
Feeding



Organic Chelation,
Minimum Particle Size



100% uptake, Zero Loss



Promoting Heat
Production;



Protection against cold
weather conditions.

we protect while feeding

Innovative formulation technologies of plant nutrition products
produced under the **PROPLENTY** brand that can
'Protect While Feeding'

Technologies

Keywords

Mechanism of Action



Organic Chelation,
Minimum Particle Size;
• 100% uptake, Zero Loss

• Organic chelating and product particle diameter dwarfing (minimum particle diameter) processes are used together with this technology. All kinds of plant nutrients in the formulation content of the products are transported rapidly to the target plant cells by entering the plant structure from the leaves and tissues with zero loss.
As a result;
The plant nutrients in the products produced with **ZL Technology**, are 100% chelated and the particle diameters are reduced to sizes (> 20 µm) that can be easily absorbed from leaf stomata and tissues. Particle diameters of the plant nutrients in the formulation; 90% is in the range of 3-7 µm (micron).



To strengthen the immune
system of the plant;
• Protecting While Feeding

• Special signaling activators in the formulation of plant nutrition products produced with **IS Technology**, stimulate plant cells against fungal, bacterial or viral pathogen attacks, and trigger the emergence of 'Systemic Acquired Resistance' (SAR) in plants. Plant nutrition products produced with **IS Technology**, limit the pathogen attack in a small area around the point where the necrotic lesion appeared and prevent it from spreading.
• Plant nutrition products produced with **IS Technology** make the plant resistant against abiotic factors and ensure that the plant growth continues in its natural process.
As a result;
Plant nutrition products produced with **IS Technology**, are positioned in a status belonging to an innovative and unique product formulation class that 'Can Protect While Feeding'.



Promoting Heat Production;
• Protection against cold
weather conditions.

• Plant nutrition products produced with **FG Technology**, increase the mineral and sugar density in the cell protoplasm of the plant in cold climatic conditions, thus, the freezing point of the water inside the cell decreases and the temperature in the tissues is increased.
As a result;
Despite the frost damage that may occur both at the beginning and at the end of the cultivation period, the products produced with **FG Technology** offer an excellent solution. Products produced with **FG Technology**, provide the maximum performance required for plant development in cold weather.



we protect while feeding

Activators

— ACT 111

— ACT 222

— ACT X

— ACT FOLIAR

— ACT DRIP



ACT 111

ACTIVATOR

REGISTRATION TYPE NAME: LIQUID ORGANOMINERAL FERTILIZER WITH NPK

ACT 111 is a new generation Activator produced with **zero loss** **IS Technology** **FROST GUARD** formulation technologies specially developed for the Proplenty brand.



Thanks to the IS formulation technology, **ACT 111** strengthens the plant's "Immune System" and protects the plant while feeding.



Thanks to the zero loss formulation technology, the plant nutrients in **ACT 111** are 100% organically chelated and the particle diameters are reduced to sizes (> 20 µm) that can be easily absorbed from leaf stomata and tissues.

Thus, each nutrient element in its content is taken 100% and enters the plant with **Zero Loss**.



Thanks to Frostguard formulation technology, **ACT 111** provides the **maximum performance** required for plant growth in cold weather.



ACT 111

POWERED BY



FEATURES:

- It is a plant growth stimulant and a unique rooting agent. When applied to plants, cell growth and differentiation is stimulated, root formation and development are accelerated. Due to its positive effect on the development of the roots, the plant grows healthier and faster. Flower setting and fruit setting are earlier and more regular. As a result, both efficiency increases and a more uniform and quality product is obtained.
- In addition to increasing fruit set, yield and quality in plants, another effect is to prevent fruit breakdown.

MODE OF EFFECT:

- It is easily absorbed from the leaves and root tissues, penetrates the plant and accelerates the cell sap movements. Thus, it has a positive effect on the preparation of germination, rooting, development and maturation by giving vital power to all cells of the plant.

BENEFITS:

- Earliness, High yield, Low application cost, Calibrated product, Makes the plant resistant to cold weather conditions, Provides resistance to diseases.

SPECIAL EFFECT MECHANISMS:

- **Fruit Dilution:** When the fruits reach the size of the chickpea in the apple, it is applied by closing 2 nozzles at a dosage of 750 ml/ton in order to help dilution.
- **Fruit Cracking:** It is applied once at a dosage of 500 ml/ton in order to protect against cracking when the fruits enter the coloring period.
- **Stem Strengthening:** Apple, pear, quince, apricot, peach, cherry, sour cherry, olive, pistachio, citrus, vineyards; It is applied 3-4 weeks before flowering by mixing with Proplenty Foliar 4-0-40 in order to prevent fruit drop and to develop the color and taste of the fruit on the 15th of June, July and August and repeat when the fruits are the size of the hazelnut. (3 applications 50-100 ml in 100 L water)

MIXABILITY:

It can be mixed with other pesticides and foliar fertilizers, except those with strong acid character.

GUARANTEED CONTENT

	W/W (%)	FORMULATION
Total Organic Material	15	SC
Organic Nitrogen	2,4	
Free Amino Acids	4,5	
Organic Carbon	7,5	pH
Total Nitrogen	8	5,8
Phosphorus	6	
Potassium	4	DENSITY
Organic Activators	2,7	1,08 Kg/L

PACKAGING

	0,5 LT
	1 LT

METHOD OF APPLICATION





ACT 111



PLANT	APPLICATION TIME, PURPOSE	APPLICATION DOSE
Vegetables and Ornamental Plants	<ul style="list-style-type: none">• Cuttings and seedlings are kept in the solution prepared with ACT 111 for 60 minutes and planted.• After planting, 150 ml of ACT 111 solution is prepared for each cutting or seedling.	45 ml/100 Lt water 45 ml/100 Lt water
Fruit, Vineyard, Citrus, Forest Trees	<ul style="list-style-type: none">• Saplings or cuttings are kept in the solution prepared with ACT 111 for 1-2 hours before planting.• After planting, it is given to the sapling roots with sufficient water and repeated 3 times in a year.	85 ml/100 Lt water 15 ml/Per sapling
All Plants	<ul style="list-style-type: none">• It is applied at least 3 times with 7-10 days intervals with drip irrigation system.• At least 3 applications with an interval of 7-10 days with irrigation water.	250 - 330 ml/decare 400 - 500 ml/decare
Tomato, Pepper, Cucumber, Eggplant, Zucchini, etc.	<ul style="list-style-type: none">• It is applied on the buds with 40-50 liters of water per decare before the flowers bloom.	85 ml/decare
Melon, Watermelon	<ul style="list-style-type: none">• When the fruits reach the egg size, it is applied to the fruits with 40-50 liters of water per decare.	25 ml/decare
Strawberry	<ul style="list-style-type: none">• Before planting the seedlings, are kept in the solution prepared with ACT 111 for 2-3 hours.• It is applied from the root 3 times at 10 days intervals after planting.	50 ml/100 lt water 250 - 330 ml/decare
Fruit, Vineyard, Olive, Citrus, Pistachio	<ul style="list-style-type: none">• It is applied 3-4 weeks before flowering and repeated when the fruits are the size of the hazelnut.	100-150 ml/100 lt water
Sugar beet	<ul style="list-style-type: none">• The first application is made 7 days after the period with 4-5 leaves.• It is applied 3-4 times with 40-50 liters of water with 2 weeks intervals.	35 ml/decare
Potato	<ul style="list-style-type: none">• Seedlings are kept in the solution prepared with ACT 111 for 6 hours before planting.	125 ml/100 lt water
Cabbage, Radish	<ul style="list-style-type: none">• Before planting, seeds are kept in the solution prepared with ACT 111 for 12 hours. After that, it is washed 1-2 times and dried in the sun.	200 ml/100 lt water



ACT 111



PLANT	APPLICATION TIME, PURPOSE	APPLICATION DOSE
Cotton	<ul style="list-style-type: none">• From the flowering period, 3 times application is made from the leaf, once every 10-15 days. Prevents cocoon pouring, enlarges the cocoon	125 ml/100 lt water
Orange, Apple, Pear	<ul style="list-style-type: none">• It is applied on a leaf every 10-15 days until the fruit set, 45 days before harvest. It prevents fruit breakdown and improves fruit.	125 ml/100 lt water
Watermelon	<ul style="list-style-type: none">• It is applied to flowers at the beginning of flowering. Provides fruit set.	200 ml/100 lt water
Wheat, Rice	<ul style="list-style-type: none">• Before planting, seeds are dipped into the solution prepared with ACT 111.• It is applied on the leaf during the tillering period, provides fruit set, weight and quality.• It is applied from the leaf before the stem rising period, provides strong stem formation.	125 ml/100 Lt water 30 ml/decare 40 ml/decare
Maize	<ul style="list-style-type: none">• Before planting, seed soaking, seeds are kept in the solution prepared with ACT 111 for 12 hours.• Leaf application is made during the growth period.	200 ml/100 lt water 50 ml/decare
Tomato, Eggplant, Cucumber	<ul style="list-style-type: none">• It is applied 1-2 times from the leaf during the growing period.	125 ml/100 lt water
Beans	<ul style="list-style-type: none">• Before planting, seeds are dipped into the solution prepared with ACT 111.• Leaf application.	125 ml/100 lt water 125 ml/100 lt water
Canola	<ul style="list-style-type: none">• Applied after rosette leaf formation	30 ml/decare
Sunflower	<ul style="list-style-type: none">• In the 6-8 leaf period	30 ml/decare



ACT 222

ACTIVATOR

REGISTRATION TYPE NAME: LIQUID ORGANOMINERAL FERTILIZER WITH NPK

ACT 222 is a new generation **Activator** produced with **zero loss** **IS Technology** **FROST GUARD** formulation technologies specially developed for the Proplenty brand.



Thanks to the IS formulation technology, **ACT 222** strengthens the plant's "Immune System" and protects the plant while feeding.



Thanks to the zero loss formulation technology, the plant nutrients in **ACT 222** are 100% organically chelated and the particle diameters are reduced to sizes (> 20 µm) that can be easily absorbed from leaf stomata and tissues.

Thus, each nutrient element in its content is taken 100% and enters the plant with **Zero Loss**.



Thanks to Frostguard formulation technology, **ACT 222** provides the **maximum performance** required for plant growth in cold weather.



ACT 222

POWERED BY



FEATURES:

- It is an activator that can be used throughout the life of the plant from seed to harvest in order to provide fast and equal germination, rapid rooting, strong and rapid development, better and quality product in all plants.
- It has a very high ability to be carried by the plant both ways from both the root and the leaf.
- It is an activator that protects the plants against various adverse growth conditions and activates the biochemical and physiological resources of the plants.
- It increases the enzyme amount in plant cells and makes plants more resistant to stress conditions.

MODE OF EFFECT:

- It is easily absorbed from the leaves and root tissues, penetrates the plant and accelerates the cell sap movements. Thus, by giving vital power to all the cells of the plant It has a positive effect on the preparation of germination, rooting, development and maturation.
- It positively affects the fertilization rate and duration by increasing the length of the pollen tubes, which are the fertilization organs of plants. The length of the pollen tube increases up to 2 times.

BENEFITS:

- Earliness, High yield, Low application cost, Calibrated product, Makes the plant resistant to cold weather conditions, Provides resistance to diseases.
- It eliminates the stress associated with herbicide applications in cultivated plants.
- In diseases that are transmitted by smallpox such as Monilla, there is a 90% reduction in the severity of the disease since ACT 222 promotes early fertilization.

MIXABILITY:

It can be mixed with other pesticides and foliar fertilizers, except those with strong acid character.

GUARANTEED CONTENT

	W/W (%)
Total Organic Material	15
Organic Nitrogen	2,4
Free Amino Acids	4,5
Organic Carbon	7,5
Total Nitrogen	6
Phosphorus	7
Potassium	8
Organic Activators	1,8

FORMULATION

SC
pH
7,4

DENSITY

1,1 Kg/L

PACKAGING

	0,5 LT
	1 LT

METHOD OF APPLICATION





ACT 222



PLANT	APPLICATION TIME, PURPOSE	APPLICATION DOSE
Strawberry	<ul style="list-style-type: none">When the flowers are seen, the application is made on the leaves every 15 days.	75 ml/100 lt water
CEREALS (Wheat, Barley, Rice, Maize)	<ul style="list-style-type: none">Rice seeds are kept in the solution prepared with Proplenty ACT 222 for 12 hoursFoliar application during the stem lifting period and when the ears are seen.	200 ml/100 lt water 60 ml/decare
VEGETABLES (Tomato, Pepper, Eggplant, Cucumber, Melon, Potato, Watermelon)	<ul style="list-style-type: none">Seeds are kept in a solution prepared with Proplenty ACT 222 for 8 hours, without cutting the potato tubers are kept in a solution prepared with Proplenty ACT 222 for 12 hours.Foliar application is made every 5 days in seedbeds.Foliar application is made once a week before and after flowering.	50 ml/100 lt water 25 ml/100 lt water 50 ml/100 lt water
FRUIT (Apple, Pear, Peach, Apricot, Plum, Cherry, Orange, Lemon, Citrus)	1st application during the green bud period, 2nd application in pink bud period, 3rd application, when the fruits are as big as chickpeas, green parts are applied.	50 ml/100 lt water
Grapes	<ul style="list-style-type: none">1st and 2nd application to new shoots3rd application at the beginning of flowering4th Application in the grove period, green parts are applied	50 ml/100 lt water



ACT 222



PLANT	APPLICATION TIME, PURPOSE	APPLICATION DOSE
LEGUMES (Beans, Peas, Chickpeas, Soy, Lentil, Peanut)	<ul style="list-style-type: none">It is applied on the leaf before and at the beginning of flowering. It provides fruit set.	60 ml/decare
Cotton	1st application on the first comb, 2nd application is on the first flower, 3rd application when 90% of the cocoons are formed. green parts application	50 ml/decare
Ornamental Plants	Cuttings are dipped into the solution prepared with Proplenty ACT 222 for 5-10 minutes. <ul style="list-style-type: none">It is applied every 10 days at the seedbed.In the development period.	25 ml/100 lt water 16 ml/100 lt water 50 ml/100 lt water
Sugar beet	<ul style="list-style-type: none">1st application in the 2-3 leaf period,2nd application is done after the misfire,3rd application is when the root thickening begins. The green parts application.	25 ml/decare 60 ml/decare 60 ml/decare
Canola	<ul style="list-style-type: none">Green parts application before flowering.	50 ml/ decare



ACT X⁴⁻⁶⁻⁸

ACTIVATOR

REGISTRATION TYPE NAME: NPK FERTILIZER SOLUTION

ACT X is a new generation **Activator** produced with **zero loss** **IS Technology** **FROST GUARD** formulation technologies specially developed for the Proplenty brand.



Thanks to the IS formulation technology, **ACT X** strengthens the plant's "Immune System" and protects the plant while feeding.



Thanks to the zero loss formulation technology, the plant nutrients in **ACT X** are 100% organically chelated and the particle diameters are reduced to sizes (> 20 µm) that can be easily absorbed from leaf stomata and tissues.

Thus, each nutrient element in its content is taken 100% and enters the plant with **Zero Loss**.



Thanks to Frostguard formulation technology, **ACT X** provides the **maximum performance** required for plant growth in cold weather.



ACT X⁴⁻⁶⁻⁸

POWERED BY



FEATURES:

- It stimulates cell division, swelling and growth in all plants. By increasing cell division, it increases the number of cells in the grain and allows it to grow volumetrically. It increases the fruit set rate, fruit size, quality and yield.

MODE OF EFFECT:

- Easily absorbed, penetrates into the plant and accelerates cell sap movements. Thus, by giving vital power to all cells of the plant, it provides the growth of fruit caliber and the formation of large and healthy fruit.



BENEFITS:

- Increases the quality of the fruit in grape, kiwi, hard and soft stone fruit trees (Cherry, Peach etc.) at a high rate and provides fruit formation in larger, standard sizes and shapes.
- Thanks to its ability to create a strong fruit-stem connection, it reduces fruit drop and granulation.
- Thanks to its ability to form a durable and resistant fruit shell, it minimizes the harvest and post-harvest fruit injuries.
- Provides strong root formation in fruit saplings.
- It increases the resistance of newly formed shoots in fruit trees and minimizes shoot breakage.
- Increases the fruit caliber in plants such as carrots, potatoes, turnips, onions, garlic, radish, Jerusalem artichoke, sugar beet, celery, and provides larger and heavier fruit formation.
- It provides high yield and quality increase, thus increasing the amount of marketable products.

MIXABILITY:

It can be mixed with other pesticides and foliar fertilizers, except those with strong acid character.

GUARANTEED CONTENT

	W/W (%)	FORMULATION	PACKAGING
Nitrogen	4	SC	 0,5 LT
Phosphorus	6	pH	
Potassium	8	7,7	 1 LT
Organic Activators	3	DENSITY	
		0,9 Kg/L	

METHOD OF APPLICATION





ACT X 4-5-8

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PLANT	APPLICATION TIME, PURPOSE	APPLICATION DOSE
Grapes	It is applied 10-15 days after flowering; • Increases fruit set rate, increases fruit caliber, fruit weight and dry matter ratio.	Fruit soaking; 50-100 ml/100 Lt water
Strawberry	It is applied after the fruit is collected; • Keeps the fruit fresh and extends the storage life.	Fruit soaking; 100 ml/100 Lt water
Kiwi	It is applied 20-25 days after the flowers fall • Increases fruit size and caliber.	Fruit soaking; 100-125 ml/100 Lt water
Orange	It is applied to young fruit stems 3-7 days and 25-35 days after the falling of flowers; • Increases fruit set and prevents fruit drop	Soaking the Fruit Stems; 125-150 ml/100 Lt water
Peach	It is applied as fruit soaking 30 days after the flower fall; • Increases fruit size, color and quality.	125-150 ml/100 Lt water
Pear	Foliar application during flowering • Increases fruit set, fruit quality and yield.	60 ml/100 Lt water
In All Fruit Saplings	• Foliar application, to increase root development	50 ml/100 Lt water
In All Fruit Trees	Application is made to shoots in the first development period, to accelerate, strengthen and increase shoot development.	50 ml/100 Lt water



ACT X 4-5-8

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ACT FOLIAR

ACTIVATOR

REGISTRATION TYPE NAME: PLANT ORIGIN LIQUID ORGANIC FERTILIZER

ACT FOLIAR is a new generation **Activator** produced with **zero loss** **IS Technology** **FROST GUARD** formulation technologies specially developed for the Proplenty brand.



Thanks to the IS formulation technology, **ACT FOLIAR** strengthens the plant's "Immune System" and protects the plant while feeding.



Thanks to the zero loss formulation technology, the plant nutrients in **ACT FOLIAR** are 100% organically chelated and the particle diameters are reduced to sizes (> 20 µm) that can be easily absorbed from leaf stomata and tissues.

Thus, each nutrient element in its content is taken 100% and enters the plant with **Zero Loss**.



Thanks to Frostguard formulation technology, **ACT FOLIAR** provides the maximum performance required for plant growth in cold weather.



ACT FOLIAR

POWERED BY



FEATURES:

It is an Activator in liquid suspension form (SC) obtained by enzymatic fermentation of plant extracts and processing of cell protoplasts by hydrolyzed protein method.

- It is a special plant activator designed to be applied from the leaves in all cultivated plants, accelerating and increasing the growth performance of the plants.
- Plant growth stimulant and a unique vegetative component improver. When applied to plants, cell growth and differentiation is stimulated, root formation and development are accelerated.

Due to its positive effect on the development of roots, the plant grows healthier and faster. Flower setting and fruit setting are earlier and more regular. As a result, a more uniform and high quality product is obtained and thus productivity is increased.

MODE OF EFFECT:

It is easily absorbed from the leaves and enters the plant and accelerates the cell sap movements. Thus, it has a positive effect on the preparation of germination, rooting, development and maturation by giving vital power to all cells of the plant.

BENEFITS:

It develops the vegetative part rapidly and at a high rate. Provides earliness, high efficiency, low application cost, resistance to diseases

MIXABILITY:

It can be mixed with other pesticides and foliar fertilizers, except those with strong acid character.

GUARANTEED CONTENT

	W/W (%)
Total Organic Material	35
Organic Nitrogen	3
Organic Carbon	17,5
Potassium	4
Organic Activators	1

FORMULATION

SC
pH
6,3

DENSITY

1,1 Kg/L

PACKAGING

	1 LT
	5 LT

METHOD OF APPLICATION



PLANT	APPLICATION TIME, PURPOSE	APPLICATION DOSE
In All Plants	Foliar application is made at 10-15 days intervals after planting to harvest period. • It improves the root development of the plant, vegetative & generative part development performance in the best way.	200-250 ml/100 lt water 100-200 ml/da



ACT DRIP

ACTIVATOR

REGISTRATION TYPE NAME: PLANT ORIGIN LIQUID ORGANIC FERTILIZER

ACT DRIP is a new generation **Activator** produced with **zero loss** **IS Technology** **FROST GUARD** formulation technologies specially developed for the Proplenty brand.



Thanks to the IS formulation technology, **ACT DRIP** strengthens the plant's "Immune System" and protects the plant while feeding.



Thanks to the zero loss formulation technology, the plant nutrients in **ACT DRIP** are 100% organically chelated and the particle diameters are reduced to sizes (> 20 µm) that can be easily absorbed from leaf stomata and tissues.

Thus, each nutrient element in its content is taken 100% and enters the plant with **Zero Loss**.



Thanks to Frostguard formulation technology, **ACT DRIP** provides the maximum performance required for plant growth in cold weather.



ACT DRIP

POWERED BY



FEATURES:

• It is a plant growth activator in liquid suspension form (SC) obtained by enzymatic fermentation of plant extracts and processing of cell protoplasts by hydrolyzed protein method.

It is a special formulation designed to be applied from the soil with a drip irrigation system in all cultivated plants, accelerating and increasing the growth performance of the plants.

ACT DRIP

Contains high percentage of organic matter (30%) and Organic Carbon (14%) of vegetable origin.

Since it is a plant-derived secondary product, it contains macro (NK) and micro (Zn, Mn, MgO, Fe, B, Mo, Cu) elements in absorbable form.

• Strengthened with root-enhancing plant activators, it has been transformed into the best rooting product in its class.

It provides rapid development of the vegetative part of the plant. Its formulation is designed to show the best performance even in cold soil conditions.

• The pH value of the product is in the range of 5-7, so it can be taken from the roots quickly and easily in soil applications.

• It facilitates main root and lateral root removal in all kinds of plants and increases fringe rooting.

• It is a natural chelator, thanks to this feature, it enables the nutrients existing in the soil to be easily taken up by plant roots.

• It enriches the soil in terms of organic matter.

It ensures that nutrients that are not taken due to the effects of salinity caused by the soil and high pH enter the plant tissues by taking a lot of tin.

• It regulates the water circulation in the soil and ensures optimum use of the water the plant needs. It prevents salt accumulation in the soil.

• Thanks to the special plant activators it contains, the plant becomes more resistant to stress conditions, ensures that the plant is resistant to the negative effects that may occur during the germination period and thus the root system can develop in the best way.

• Increases photosynthesis rate and naturally protein and nucleic acid synthesis.

• From the moment it is given to the soil, it is attacked by the bacteria in the soil and causes them to break down at a high rate, thus it both provides the soil to swell and stimulates the formation of strong fringe root and triggers the vegetative part of the plant to develop in the best way.

MODE OF EFFECT:



It is easily absorbed from the root tissues and enters the plant body and accelerates the cell sap movements. Thus, it has a positive effect on the preparation of germination, rooting, development and maturation by giving vital power to all cells of the plant.

BENEFITS:

It accelerates the root formation and development and therefore improves the vegetative part quickly and at a high rate. It provides earliness, high efficiency, low application cost, resistance to diseases.

MIXABILITY:

It can be mixed with other pesticides and foliar fertilizers, except those with strong acid character.

GUARANTEED CONTENT	W/W (%)	FORMULATION	PACKAGING
Total Organic Material	30	SC	 10 LT
Organic Nitrogen	2	pH	
Organic Carbon	14	6,2	
Potassium	4	DENSITY	 20 LT
Organic Activators	1	1 Kg/L	

METHOD OF APPLICATION



PLANT	APPLICATION TIME, PURPOSE	APPLICATION DOSE
In All Plants	It is applied with drip irrigation system at 10-15 days intervals from after Planting to Harvest period • It improves the root development of the plant, vegetative & generative part development performance in the best way.	1-2 Lt/da



we protect while feeding

Amino Acids & Biostimulants

PRO 50

PRO 88



PRO 50

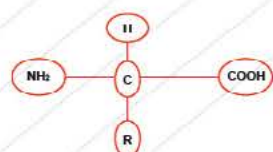
BIOSTIMULANT

REGISTRATION TYPE NAME: LIQUID ORGANIC FERTILIZER CONTAINING ANIMAL ORIGINATED AMINO ACID

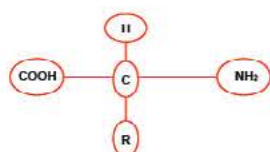
Proplenty **PRO 50**, which is registered as a Biostimulant in the European Union countries, maintains the correct amino acid balance of the plants and strengthens the plant against environmental stress conditions. Pro 50 is an “**Animal Originated Amino Acid Complex**”. It is a biostimulant in liquid suspension form that can be applied with a leaf and drip irrigation system.

PRO 50 is produced by **SICIT** Group S.p.A. which is the world leader in the production of Biostimulant and Animal Based Amino Acids

Production process;
It is produced by enzymatic hydrolysis method. With this method, pure amino acids with small molecules are obtained. These amino acids are active amino acids in L form. However, amino acids in the D form are inactive.



Type L Amino Acid



Type D Amino Acid



PRO 50

EFFECTS:

- It allows the metabolic activities of plants to continue smoothly.
- The high content of free amino acids (15%) increases the plant's resistance to abiotic stress conditions, making the plant strong against environmental stress factors. (high-low temperatures, post-planting stress, salinity, phytotoxicity, etc.)
- Thanks to its free amino acids and short chain peptides (Oligo peptides), chlorophyll synthesis and fertility are accelerated. It provides the best vegetative and generative development of the plant with its enzyme activator and chelating effect. Its effect on fertilization and fruit formation is very high.
- Provides long-term and stable (permanent) activity due to its long-chain peptides and its permanent effect on the soil.
- It stimulates the microbial vitality in the soil where it is applied and encourages the most ideal conditions for the plant.
- Thanks to its low molecular weight, it provides very fast uptake, transportation and utilization. It ensures the availability and transportability of the products (medicine & fertilizer) applied together by the plant. With nutrients it creates a synergistic effect, it is a high-level organic chelator.
- It increases the internal and external quality of the applied plant, accordingly it increases the fruit quality. As a result It increases the amount of marketable products.

GENERAL USE TIMING;

- At the beginning of vegetative growth of the plant.
- Flowering and falling of petals.
- During the fruit development period.
- During every stress on the plant

GUARANTEED CONTENT

	W/W (%)
Total Organic Material	50
Organic Nitrogen	7,5
Organic Carbon	25
Total Amino Acids	50
Free Amino Acids	15

FORMULATION
SC

pH
6,5

DENSITY
1,27 Kg/L

PACKAGING

	1 LT		10 LT
	5 L		20 LT

METHOD OF APPLICATION



Amino acid content (Aminogram) (gr/100g)

6,3 gr Alanine	0,3 gr Histidine	1,4 gr Phenylalanine	0,3 gr Arginine
0,7 gr Isoleucine	6,6 gr Proline	2,0 gr Aspartic acid	2,4 gr Leucine
0,1 gr Serine	6,6 gr Glutamic Acid	2,1 gr Lysine	0,03 gr Threonine
11,1 gr Glycine	0,5 gr Methionine	0,8 gr Tyrosine	0,5 gr Hydroxylysine
3,0 gr Ornithine	1,9 gr Valine	3,4 gr Hydroxyproline	



PRO 50



APPLICATION DOSE & METHOD & TIME & NUMBER

PLANT	DOSE (FOLIAR)	DOSE (DRIP IRRIGATION & SOIL)	APPLICATION TIME & NUMBER
Pome Fruit Trees (Apple, Pear)	200-250 ml/ 100 L water	500 ml/decare	Before flowering, When the petals drop, During the fruit set period
Stone Fruit Trees (Peach, Apricot, Plum, Cherry)	200– 250 ml/ 100 L water	500 ml/decare	Before flowering, When the petals fall, fruit set period
Hazelnut, Almond	200-250 ml/ 100 L water	500 ml/decare	Before flowering, When the petals fall, fruit set period
Citrus (Orange, Lemon, Tangerine, Grapefruit)	200-250 ml/ 100 L water	500 ml/decare	Vegetative development and pre-flowering, When the petals fall off, during the fruit set period and fruits 6-7 cm when in diameter.
Grapes	200-250 ml/ 100 L water	500 ml/decare	Before flowering, when the petals fall off and fruit color change period.
Strawberry	200-250 ml/ 100 L water	500 ml/decare	Before winter dormancy, at the beginning of vegetative development, 20-30 days before flowering, 3-5 days before fruit set, every 20 days until the end of the production season
Olive	200-250 ml/ 100 L water	500 ml/decare	Bud formation, pre-flowering and fruit color change periods and, if necessary, after harvest.
Maize	200-250 ml/ decare	500 ml/decare	2 applications every 15 days from the period when the plants have 6-8 leaves
Watermelon, Melon, Cucumber, Pumpkin	200-250 ml/ decare	500 ml/decare	4-6 leaves, before flowering; during fruit set and fruit ripeness periods
Tomatoes, Pepper, Eggplant	Greenhouse 250 ml/100 L water Openfield 200-250 ml/100 L	500 ml/decare 500 ml/decare	4-6 leaves, before flowering; during fruit set and fruit ripeness periods



PRO 50



APPLICATION DOSE & METHOD & TIME & NUMBER

PLANT	DOSE (FOLIAR)	DOSE (DRIP IRRIGATION & SOIL)	APPLICATION TIME & NUMBER
Cabbage	200-250 ml/100 L water	500 ml/decare	Two applications after planting and every 20 days
Patato	250 ml/decare	500 ml/decare	When the plants are 15 cm, when the tubers are the size of the nut and 15 days later
Onion, Garlic	200-250 ml/ 100 L water	500 ml/decare	Every 20 days after the lumps begin to form.
Lettuce, Spinach	Greenhouse 200 ml/ 100 L water Openfield 200 ml/100 L water	500 ml/decare 500 ml/decare	2-3 applications before transplanting in the seedbed; 10-15 days after transplant every 20 days
Wheat, Barley	200-250 ml/ decare		2 applications from the 4-6 leaf stage to the end of tillering and after tillering
Rice	250-300 ml/ decare	500 ml/decare	2 applications during tillering and flowering periods
Canola	100 ml/ decare		2 applications in the formation of side branches and trunk growth periods.
Artichoke	200-250 ml/ 100 L water	500 ml/decare	3 days after planting and every 15-20 days 4 applications
Carrots, Parsley	200-250 ml/100 L water	500 ml/decare	When the roots take the size of a pencil 3-4 applications every 2-3 weeks
Celery	200-250 ml/100 L water	500 ml/decare	Application every 20 days, starting 10-15 days after planting



PRO 88

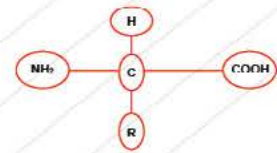
BIOSTIMULANT

REGISTRATION TYPE NAME: SOLID ORGANIC FERTILIZER CONTAINING ANIMAL ORIGINATED AMINO ACID

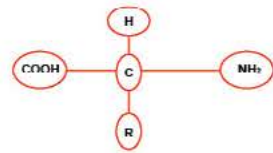
Proplenty **PRO 88**, which is registered as a Biostimulant in the European Union countries, maintains the correct amino acid balance of the plants and strengthens the plant against environmental stress conditions. **PRO 88** is an organic origin "Amino Acid Complex of Animal Origin". It is a biostimulant in water-soluble micronized powder form (WG) that can be applied with a leaf and drip irrigation system.

PRO 88 is produced by **SICIT** Group S.p.A. which is the world leader in the production of Biostimulant and Animal Based Amino Acids

Production process;
It is produced by enzymatic hydrolysis method. With this method, pure amino acids with small molecules are obtained. These amino acids are active amino acids in L form. However, amino acids in the D form are inactive.



Type L Amino Acid



Type D Amino Acid



PRO 88



EFFECTS:

- It allows the metabolic activities of plants to continue smoothly.
- The high content of amino acids (88%) increases the plant's resistance to abiotic stress conditions, making the plant strong against environmental stress factors. (high-low temperatures, post-planting stress, salinity, phytotoxicity, etc.)
- Thanks to its free amino acids and short chain peptides (Oligo peptides), chlorophyll synthesis and fertility are accelerated. It provides the best vegetative and generative development of the plant with its enzyme activator and chelating effect. Its effect on fertilization and fruit formation is very high.
- Provides long-term and stable (permanent) activity due to its long-chain peptides and its permanent effect on the soil.
- It stimulates the microbial vitality in the soil where it is applied and encourages the most ideal conditions for the plant.
- Thanks to its low molecular weight, it provides very fast uptake, transportation and utilization. It ensures the availability and transportability of the products (medicine & fertilizer) applied together by the plant. With nutrients it creates a synergistic effect, it is a high-level organic chelator.
- It increases the internal and external quality of the applied plant, accordingly it increases the fruit quality. As a result It increases the amount of marketable products.

GENERAL USE TIMING;

- At the beginning of vegetative growth of the plant.
- Flowering and falling of petals.
- During the fruit development period.
- During every stress on the plant

GUARANTEED CONTENT

	W/W (%)
Total Organic Material	88
Total Amino Acids	88
Organic Carbon	40
Organic Nitrogen	14
Free Amino Acids	7
Organic Activators	0,6

FORMULATION

WG

pH

6

PACKAGING



1 KG



2,5 KG

METHOD OF APPLICATION



Amino acid content (Aminogram) (gr/100g)

8,9 gr Alanine	0,6 gr Histidine	1,9 gr Phenylalanine	3,6 gr Arginine
1,3 gr Isoleucine	11 gr Proline	5,2 gr Aspartic acid	2,9 gr Leucine
0,9 gr Serine	10,1 gr Glutamic Acid	3,6 gr Lysine	0,3 gr Threonine
20,3 gr Glycine	0,6 gr Methionine	0,9 gr Tyrosine	1,2 gr Hydroxylysine
2,4 gr Ornithine	3,1 gr Valine	8,7 gr Hydroxyproline	



PRO 88



APPLICATION DOSE & METHOD & TIME & NUMBER

PLANT	DOSE (FOLIAR)	DOSE (DRIP IRRIGATION & SOIL)	APPLICATION TIME & NUMBER
Pome Fruit Trees (Apple, Pear)	100-125 gr/ 100 L water	250 gr/decare	Before flowering, When the petals drop, During the fruit set period
Stone Fruit Trees (Peach, Apricot, Plum, Cherry)	100 gr/ 100 L water	250 gr/decare	Before flowering, When the petals fall, fruit set period
Hazelnut, Almond	125 gr/ 100 L water	250 gr/decare	Before flowering, When the petals fall, fruit set period
Citrus (Orange, Lemon, Tangerine, Grapefruit)	125 gr/ 100 L water	250 gr/decare	Vegetative development and pre-flowering, When the petals fall off, during the fruit set period and fruits 6-7 cm when in diameter.
Grapes	100-125 gr/ 100 L water	250 gr/decare	Before flowering, when the petals fall off and fruit color change period.
Strawberry	125 gr/ 100 L water	250 gr/decare	Before winter dormancy, at the beginning of vegetative development, 20-30 days before flowering, 3-5 days before fruit set, every 20 days until the end of the production season
Olive	125 gr/ 100 L water	250 gr/decare	Bud formation, pre-flowering and fruit color change periods and, if necessary, after harvest.
Banana	125-150 gr/ decare	250 gr/decare	During Flowering, fruit fall and formation, color change, frost such as critical periods, 2-4 applications at intervals of 12-14 days
Maize	125-150 gr/ decare	250 gr/decare	2 applications every 15 days from the period when the plants have 6-8 leaves
Watermelon, Melon, Cucumber, Pumpkin	125-150 gr/ decare	250 gr/decare	4-6 leaves, before flowering; during fruit set and fruit ripeness periods
Tomatoes, Pepper, Eggplant	Greenhouse 125 gr/100 L water Openfield 125-150 gr/ decare	250 gr/decare	4-6 leaves, before flowering; during fruit set and fruit ripeness periods



PRO 88



APPLICATION DOSE & METHOD & TIME & NUMBER

PLANT	DOSE (FOLIAR)	DOSE (DRIP IRRIGATION & SOIL)	APPLICATION TIME & NUMBER
Cabbage	125-150 gr/100 L water	250 gr/decare	Two applications after planting and every 20 days
Patato	150 gr/decare	250 gr/decare	When the plants are 15 cm, when the tubers are the size of the nut and 15 days later
Onion, Garlic	100-125 gr/ 100 L water	250 gr/decare	Every 20 days after the lumps begin to form.
Lettuce, Spinach	Greenhouse 100 gr/ 100 L water Openfield 150 gr/100 L water	250 gr/decare	2-3 applications before transplanting in the seedbed; 10-15 days after transplant every 20 days
Beans, Peas	125-150 gr/100 L water	250 gr/decare	Before flowering, at 10-15 days intervals after flowering.
Wheat, Barley	100 gr/ decare	250 gr/decare	2 applications from the 4-6 leaf stage to the end of tillering and after tillering
Rice	125-150 gr/ decare	250 gr/decare	2 applications during tillering and flowering periods
Canola	50 gr/ decare	250 gr/decare	2 applications in the formation of side branches and trunk growth periods.
Artichoke	125-150 gr/100 L water	250 gr/decare	3 days after planting and every 15-20 days 4 applications
Carrots, Parsley	125-150 gr/ 100 L water	250 gr/decare	When the roots take the size of a pencil 3-4 applications every 2-3 weeks
Celery	125-150 gr/ 100 L water	250 gr/decare	Application every 20 days, starting 10-15 days after planting



we protect while feeding

Organomineral Micronutrients Mixture

— MICRO FOLIAR

— MICRO DRIP



MICRO FOLIAR

ORGANOMINERAL MICRO NUTRIENT MIXTURE

REGISTRATION TYPE NAME: SOLID ORGANOMINERAL FERTILIZER WITH TRACE ELEMENT.

MICRO FOLIAR is a new generation **Activator** produced with **zero loss** **IS Technology** **FROST GUARD** formulation technologies specially developed for the Proplenty brand.



Thanks to the IS formulation technology, **MICRO FOLIAR** strengthens the plant's "Immune System" and protects the plant while feeding.



Thanks to the zero loss formulation technology, the plant nutrients in **MICRO FOLIAR** are 100% organically chelated and particle diameters are reduced to sizes that can be easily absorbed from leaf stomata and tissues.

Thus, each nutrient element in its content is taken 100% and enters the plant with **Zero Loss**.



Thanks to Frostguard formulation technology, **MICRO FOLIAR** provides the maximum performance required for plant growth in cold weather.



MICRO FOLIAR

POWERED BY



FEATURES:

MICRO FOLIAR is a target-oriented formulation containing "Micro Elements" chelated with the amino acid "GLYCINE" in high concentration and formulated by strengthening with **Organic Activators**. It is an activator that removes micro element deficiencies, produced in SP form and can be applied from the leaf with spraying and sprinkling system.

- It is a special trace element mixture, containing high amounts of **Amino acid sourced organic material and Magnesium, Zinc, Copper, Iron, Manganese, Boron, Molybdenum**.
- Thanks to the organic activators it contains, it transports the trace elements to the roots quickly after leaf absorption, and provides the plant to eliminate the trace element deficiencies in the fastest way.
- **MICRO FOLIAR** prevents plant nutrient deficiencies, corrects the symptoms caused by deficiency and removes yellowing.
- It is an ideal formulation for all garden, greenhouse and field plants, it has a special formulation designed for foliar applications. It is 100% water soluble.
- The roles of micro elements in **MICRO FOLIAR** content in the plant are briefly defined as follows;

- » **Magnesium (Mg):** It is the central atom of chlorophyll and is very important for photosynthesis. It plays a very important role in the transportation and placement of phosphorus. It plays a role in the conversion of amino acids to polypeptides. It is an enzyme activator and helps many enzymes function.
- » **Zinc (Zn):** Helps the enzyme system regulating various metabolic activities.
- » **Copper (Cu):** Is a catalyst for respiration; It is found in the structure of many enzymes.
- » **Iron (Fe):** It is important for chlorophyll synthesis and electron transfer in enzymes.
- » **Manganese (Mn):** Controls many oxidation and reduction systems.
- » **Boron (B):** Is important in sugar transport and carbohydrate metabolism.
- » **Molybdenum (Mo):** It prevents nitrate accumulation by reducing nitrate to ammonium with enzyme activity. It takes part in nitrogen fixation. Helps formation of vitamin C (Ascorbic Acid). It is effective on phosphorus metabolism.

MODE OF EFFECT:

- It is easily absorbed from the leaves and penetrates the plant body and accelerates the cell sap movements. Thus, by giving vital power to all the cells of the plant; It has a positive effect on the preparation of germination, rooting, development and maturation.

BENEFITS:

- Eliminates the problems caused by micro element deficiencies, High efficiency, Low application cost, Calibrated product, Makes the plant resistant to cold weather conditions, Provides resistance to diseases.


MIXABILITY:

It can be mixed with other pesticides and foliar fertilizers, except those with strong acid character.



MICRO FOLIAR



GUARANTEED CONTENT	W/W (%)	FORMULATION	PACKAGING
Total Organic Material	17	SP	 1 KG
Organic Nitrogen	3		
Free Amino Acids	1,5		
Organic Carbon	9	pH	
Mg	1,3	4,38	
Fe	6		
Cu	0,8		
Mn	4		
Zn	9		
B	0,6		
Mo	0,25		
Organic Activators	1,4	MAX. MOISTURE	
		%4,55	

APPLICATION DOSAGE

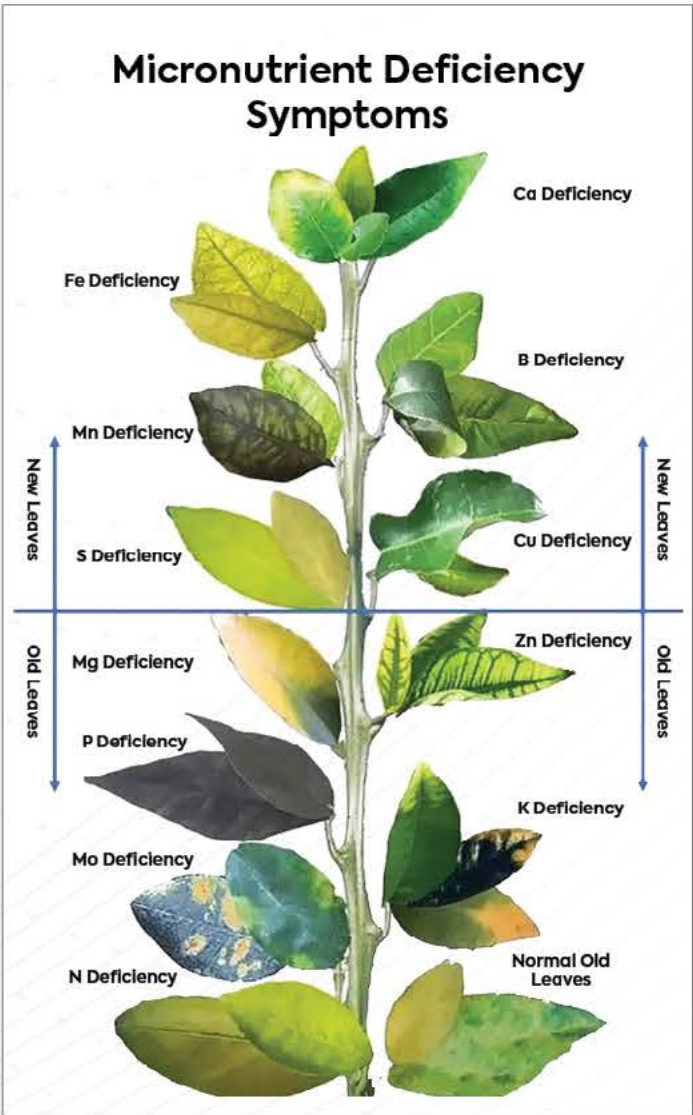
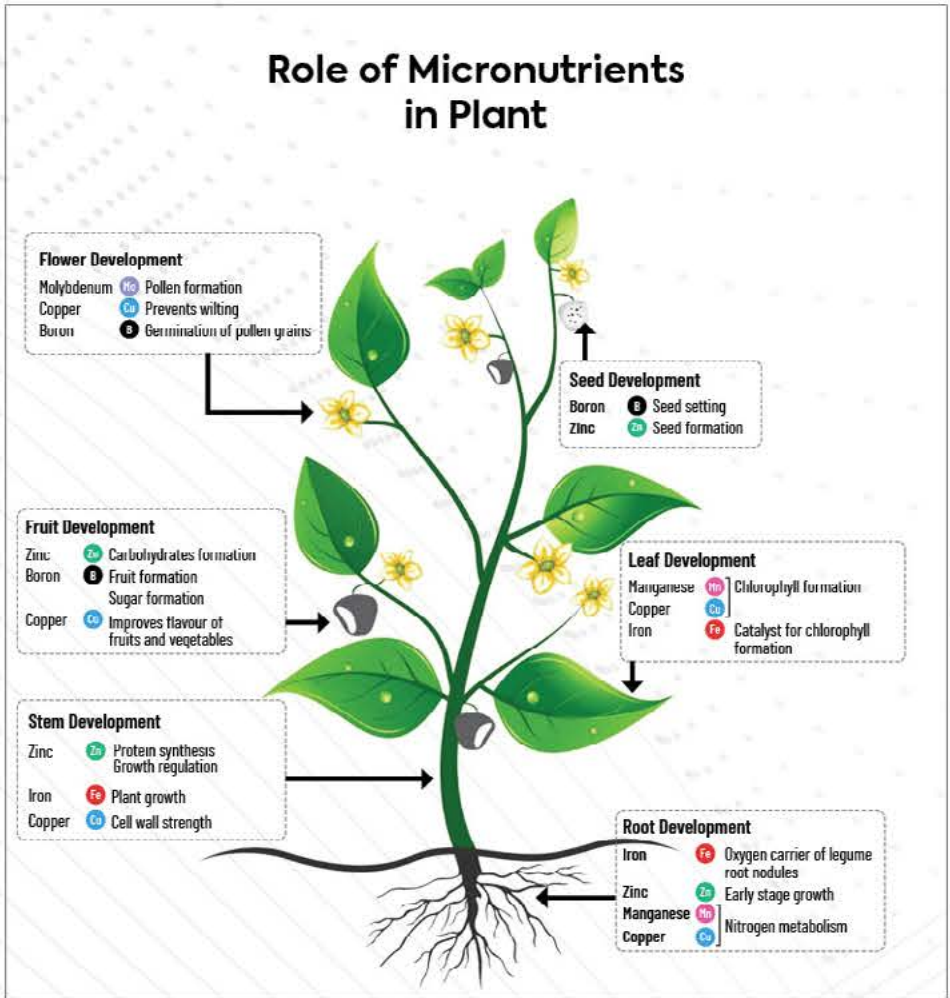
Apply in periods of high intake or periods of more intense photosynthesis activity.

PLANT	APPLICATION DOSE - FOLIAR
Pome Fruits	100 gr/100 Lt water
Stone Fruits	100 gr/100 Lt water
Citrus, Banana	100 gr/100 Lt water
Grape, Kiwi, Strawberry	100 gr/100 Lt water
Tomatoes, Pepper, Eggplant	100 gr/100 Lt water
Cucumber, Melon	100 gr/100 Lt water
Rice, Wheat, Barley, Sunflower, Corn	50-100 gr/Decare
Sugar Beet, Cotton, Tobacco, Potato	50-100 gr/Decare
Pumpkin, Cauliflower	100 gr/100 Lt water
Onion, Garlic	100 gr/100 Lt water
Peas, Other grain legumes	100 gr/100 Lt water
Soy, Peanut, Bean, Clover	100 gr/100 Lt water
Tea, Hazelnut	100 gr/100 Lt water

METHOD OF APPLICATION



MICRO FOLIAR





MICRO DRIP

ORGANOMINERAL MICRO NUTRIENT MIXTURE

REGISTRATION TYPE NAME: SOLID ORGANOMINERAL FERTILIZER WITH TRACE ELEMENT

MICRO DRIP is a new generation **Activator** produced with **zero loss** **IS Technology** formulation technologies specially developed for the Proplenty brand.



Thanks to the IS formulation technology, **MICRO DRIP** strengthens the plant's "Immune System" and protects the plant while feeding.



Thanks to the zero loss formulation technology, the plant nutrients in **MICRO DRIP** are 100% organically chelated and particle diameters are reduced to sizes that can be easily absorbed from leaf stomata and tissues.

Thus, each nutrient element in its content is taken 100% and enters the plant with **Zero Loss**.



Thanks to Frostguard formulation technology, **MICRO DRIP** provides the **maximum performance** required for plant growth in cold weather.



MICRO DRIP



FEATURES:

MICRO DRIP is a special formulation containing "**Micro Elements**" chelated with the amino acid "**GLYCINE**" in high concentration and formulated by strengthening with **Organic Activators**. It is a target oriented product in SP form. It can be applied from the soil to the root area with the drip irrigation system. It is a formulation designed to eliminate micro element deficiencies.

- It is a trace element mixture formulated with new generation technologies, containing organic matter in an absorbable form and a high rate of **Amino acids, as well as Magnesium, Zinc, Copper, Iron, Manganese, Boron, Molybdenum**.
 - Thanks to the organic activators it contains, it provides the plant to eliminate the trace element deficiencies in the fastest way by transporting the trace elements to the leaves after the absorption from the root tissues.
 - **MICRO DRIP** prevents plant nutrient deficiencies, corrects the symptoms caused by deficiency and removes yellowing.
- It is an ideal formulation for all garden, greenhouse and field plants, it has a special formulation designed for soil applications by drip irrigation system. It is 100% water soluble.
- The roles of micro elements in **MICRO DRIP** content in the plant are briefly defined as follows;

- » **Magnesium (Mg):** It is the central atom of chlorophyll and is very important for photosynthesis. It plays a very important role in the transportation and placement of phosphorus. It plays a role in the conversion of amino acids to polypeptides. It is an enzyme activator and helps many enzymes function.
- » **Zinc (Zn):** Helps the enzyme system regulating various metabolic activities.
- » **Copper (Cu):** Is a catalyst for respiration; It is found in the structure of many enzymes.
- » **Iron (Fe):** It is important for chlorophyll synthesis and electron transfer in enzymes.
- » **Manganese (Mn):** Controls many oxidation and reduction systems.
- » **Boron (B):** Is important in sugar transport and carbohydrate metabolism.
- » **Molybdenum (Mo):** It prevents nitrate accumulation by reducing nitrate to ammonium with enzyme activity. It takes part in nitrogen fixation. Helps formation of vitamin C (Ascorbic Acid). It is effective on phosphorus metabolism.

MODE OF EFFECT:

- It is easily absorbed from the root tissues and penetrates into the plant and accelerates the cell sap movements. Thus, by giving vital power to all the cells of the plant; It has a positive effect on the preparation of germination, rooting, development and maturation.

BENEFITS:

- Eliminates the problems caused by micro element deficiencies. High efficiency. Low application cost. Calibrated product. Provides resistance to diseases.

MIXABILITY:

It can be mixed with other pesticides and foliar fertilizers, except those with strong acid character.



MICRO DRIP



MICRO DRIP



GUARANTEED CONTENT

	W/W (%)
Total Organic Material	15
Organic Nitrogen	2,5
Free Amino Acids	1,25
Organic Carbon	7,2
Mg	2,7
Fe	6
Cu	1
Mn	4
Zn	6
B	0,1
Mo	0,05
Organic Activators	0,7

FORMULATION
SP

pH
4,62

MAX. MOISTURE
% 3,95

PACKAGING
 2,5 KG

METHOD OF APPLICATION

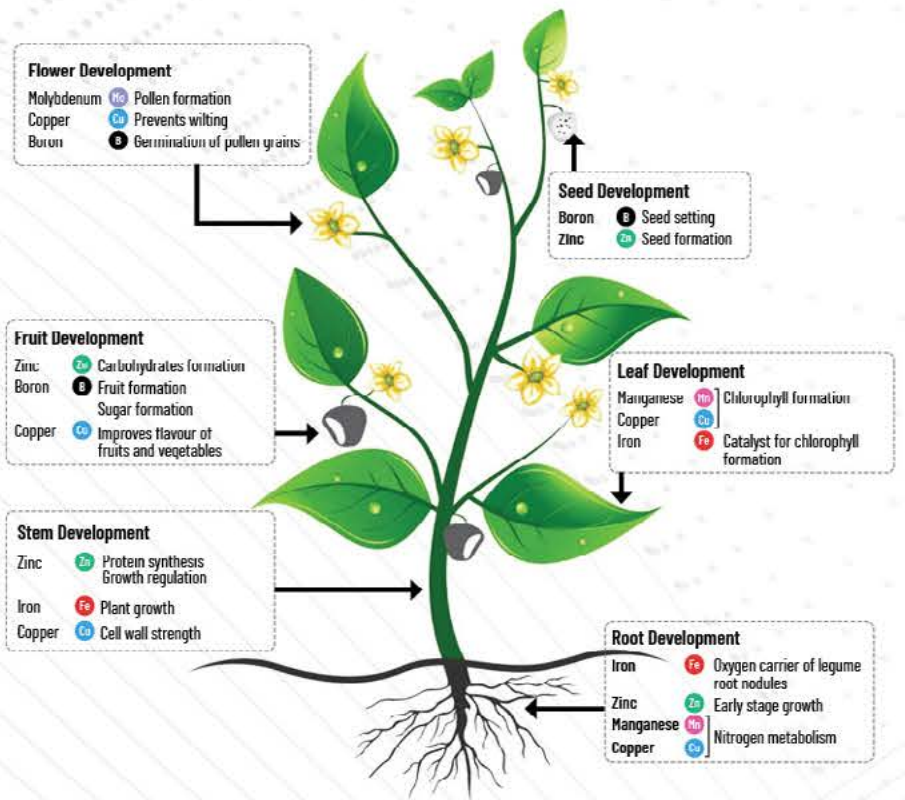


APPLICATION DOSAGE

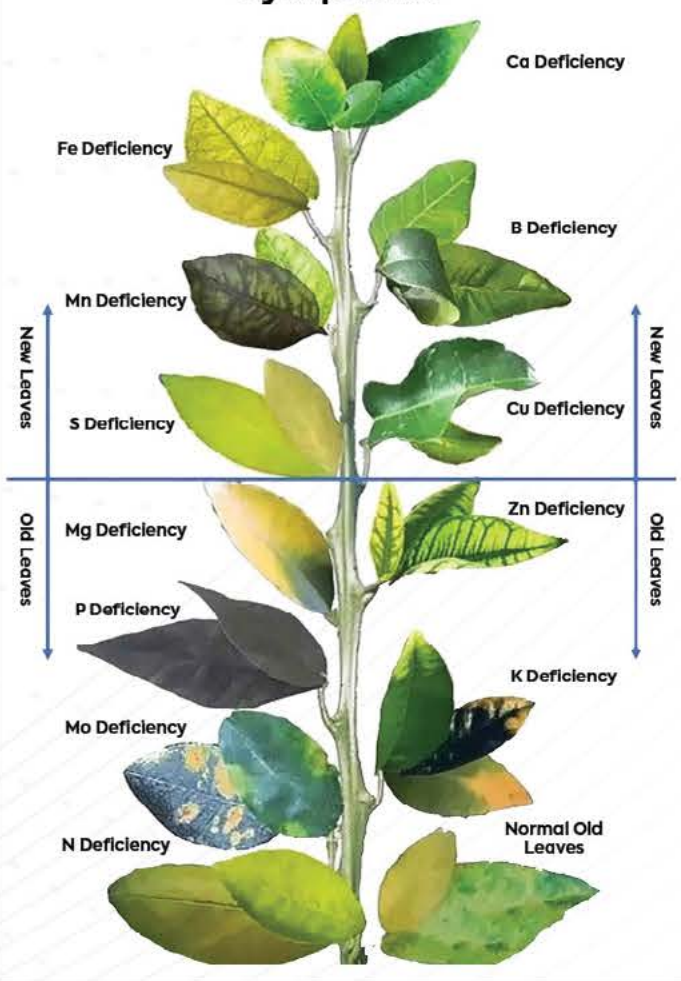
Apply in periods of high intake or periods of more intense photosynthesis activity.

PLANT	APPLICATION DOSE - SOIL
Pome Fruits	250 gr/Decare
Stone Fruits	250 gr/Decare
Citrus, Banana	250 gr/Decare
Grape, Kiwi, Strawberry	250 gr/Decare
Tomatoes, Pepper, Eggplant	250 gr/Decare
Cucumber, Melon	250 gr/Decare
Rice, Wheat, Barley, Sunflower, Corn	250 gr/Decare
Sugar Beet, Cotton, Tobacco, Potato	250 gr/Decare
Pumpkin, Cauliflower	250 gr/Decare
Onion, Garlic	250 gr/Decare
Peas, Other grain legumes	250 gr/Decare
Soy, Peanut, Bean, Clover	250 gr/Decare
Tea, Hazelnut	250 gr/Decare

Role of Micronutrients in Plant



Micronutrient Deficiency Symptoms





we protect while feeding

Organomineral Drip Irrigation Fertilizers

— DRIP 15-15-15

— DRIP 25-15

— DRIP 15-35

— DRIP 10-0-35

— DRIP 6-22-22



DRIP 15-15-15 +15 O.M

ORGANOMINERAL DRIP IRRIGATION FERTILIZER

REGISTRATION TYPE NAME: SOLID ORGANOMINERAL FERTILIZER with NPK

DRIP 15-15-15 is a new generation **Organomineral** Plant Nutrition Product produced with **zero loss** and **IS Technology** formulation technologies specially developed for the Proplenty brand.



Thanks to the IS formulation technology, **DRIP 15-15-15** strengthens the plant's "Immune System" and protects the plant while feeding.



Thanks to the zero loss formulation technology, the plant nutrients in **DRIP 15-15-15** are 100% organically chelated and particle diameters are reduced to sizes that can be easily absorbed from root tissues. Thus, each nutrient element in its content is taken 100% and enters the plant with Zero Loss.



DRIP 15-15-15 +15 O.M



FEATURES:

Contains a high percentage of 15% Organic Matter originated from **amino acids**.

This formulation contains **Nitrogen, Phosphorus and Potassium** in equal proportions and also its supported with **Organic Activators**. **DRIP 15-15-15** is a special formulation designed to be applied in the young stages of the plant, in addition, it is a special formulation with strengthened content to meet the needs of plants that need abundant flowering in the future.

It is designed to be applied to the root area with drip irrigation systems.

DRIP 15-15-15:

- It is produced from high quality raw materials with high technology.
- Sodium, chlorine etc. does not contain harmful metals.
- Thanks to its low salt content and balanced pH, it can be applied in every period of the plant without causing any phytotoxicity.
- The micro elements necessary for plant growth are chelated with the amino acid Glycine.
- Nitrogen source; Contains Organic Nitrogen, Urea, Ammonium and Nitrate Nitrogen.
- Phosphorus source; Contains phosphorus in polyphosphate form. These special phosphates with a complex structure are more resistant to binding in the soil. It facilitates the phosphate intake of the plants, so that the plants start better and have a strong development and root system. It helps to form stronger plants and greener leaves.
- Potassium source; It comes from the combination of Potassium Nitrate, Potassium Carbonate and Potassium Sulphate.
- Thanks to its production technology, it dissolves 100% in water, so it leaves no residue, and thanks to its chelated with amino acid, it is easily absorbed from the root tissues and enters the plant.
- It is applied to the root area with a drip irrigation system, the soil application dose for all plants is 1.5 Kg/da 3 times with 10 days intervals.
- Increases the production amount and quality of sugar content after application.
- It feeds the plant at every stage of production. Increases green parts development, helps flowering and fruit setting. It strengthens weak plants. Increases yield and quality.
- Homogeneous, dust-free, fluid, does not cause caking and clumping.

MODE OF EFFECT:

- It is easily absorbed from the root tissues and enters the plant body and accelerates the cell sap movements. Thus, it gives vital power to all the cells of the plant.

MIXABILITY:

It can be mixed with other pesticides and fertilizers, except for those with strong acid character.

GUARANTEED CONTENT

	W/W (%)
Total Organic Material	15
Organic Nitrogen	2
Free Amino Acids	1,2
Organic Carbon	7
Total Nitrogen	15
Phosphorus	15
Potassium	15
Organic Activators	0,9

FORMULATION

SP

pH

6

MAX. MOISTURE

% 3

PACKAGING



15 KG

METHOD OF APPLICATION





DRIP 25-15 +15 O.M

ORGANOMINERAL DRIP IRRIGATION FERTILIZER

REGISTRATION TYPE NAME: SOLID ORGANOMINERAL FERTILIZER with NP

DRIP 25-15 is a new generation **Organomineral** Plant Nutrition Product produced with **zero loss** **IS Technology** formulation technologies specially developed for the Proplenty brand.



Thanks to the IS formulation technology, **DRIP 25-15** strengthens the plant's "Immune System" and protects the plant while feeding.



Thanks to the zero loss formulation technology, the plant nutrients in **DRIP 25-15** are 100% organically chelated and particle diameters are reduced to sizes that can be easily absorbed from root tissues. Thus, each nutrient element in its content is taken 100% and enters the plant with **Zero Loss**.



DRIP 25-15 +15 O.M



FEATURES:

Contains a high percentage of 15% Organic Matter originated from **amino acids**.

It promotes the formation of healthy green parts in the plant, rooting and flowering. It is applied when the plants need high nitrogen and phosphorus. This formulation, which contains **Nitrogen** in a highly absorbable form, contains **Phosphorus** in order to encourage root growth and also supported with **Organic Activators**, ensures the formation of healthy green parts in the plant. It is a special formulation designed to encourage vegetative parts, rooting and flowering. It is designed to be applied to the root area with a drip irrigation system.

DRIP 25-15:

- It is produced from high quality raw materials with high technology.
- Sodium, chlorine etc. does not contain harmful metals.
- Thanks to its low salt content and balanced pH, it can be applied in every period of the plant without causing any phytotoxicity.
- The micro elements necessary for plant breeding are chelated with Glycine amino acid.
- Nitrogen source; Contains Organic Nitrogen, Urea, Ammonium Nitrogen.
- Phosphorus source; Contains phosphorus in polyphosphate form. These special phosphates with a complex structure are more resistant to binding in the soil. It facilitates the phosphate intake of the plants, so that the plants start better and have a strong development and root system. It helps to form stronger plants and greener leaves.
- Thanks to its production technology, it dissolves 100% rapidly in water, so it leaves no residue. Also, it is easily absorbed from root tissues and enters the plant body thanks to its chelated with amino acid.
- It is applied to the root area with a drip irrigation system, the soil application dose for all plants is 1.5 Kg/da 3 times with 10 days intervals.
- It feeds the plant at every stage of production. It improves the green parts, helps flowering and fruit setting.
- It strengthens weak plants. Increases yield and quality.
- Homogeneous, dust-free, fluid, does not cause caking and clumping.

MODE OF EFFECT:

- It is easily absorbed from the root tissues and enters the plant body and accelerates the cell sap movements. Thus, it gives vital power to all the cells of the plant.

MIXABILITY:

It can be mixed with other pesticides and fertilizers, except for those with strong acid character.

GUARANTEED CONTENT

	W/W (%)
Total Organic Material	15
Organic Nitrogen	2
Free Amino Acids	1,2
Organic Carbon	7
Total Nitrogen	25
Phosphorus	15
Organic Activators	0,9

FORMULATION

SP

pH

6

MAX. MOISTURE

% 3

PACKAGING



15 KG

METHOD OF APPLICATION





DRIP 15-35 +15 O.M

ORGANOMINERAL DRIP IRRIGATION FERTILIZER

REGISTRATION TYPE NAME: SOLID ORGANOMINERAL FERTILIZER with NP

DRIP 15-35 is a new generation **Organomineral** Plant Nutrition Product produced with **zero loss** **IS Technology** formulation technologies specially developed for the Proplenty brand.



Thanks to the IS formulation technology, **DRIP 15-35** strengthens the plant's "Immune System" and protects the plant while feeding.



Thanks to the zero loss formulation technology, the plant nutrients in **DRIP 15-35** are 100% organically chelated and particle diameters are reduced to sizes that can be easily absorbed from root tissues. Thus, each nutrient element in its content is taken 100% and enters the plant with **Zero Loss**.



DRIP 15-35 +15 O.M



FEATURES:

Contains a high percentage of 15% Organic Matter originated from **amino acids**.

It contains **Phosphorus** in a highly absorbable form and **Nitrogen** to support plant growth. Supported with **Organic Activators** thus; It promotes root development and provides plenty of phosphorus in the young period when the plants store phosphorus, allowing the plant to bloom.

In the future, it supports the excessive phosphorus consumption required for seed maturation in the plant.

It is a specially designed formulation that can be applied to the root area with a drip irrigation system.

DRIP 15-35:

- It is produced from high quality raw materials with high technology.
- Sodium, chlorine etc. does not contain harmful metals.
- Thanks to its low salt content and balanced pH, it can be applied in every period of the plant without causing any phytotoxicity.
- Micro elements required for plant feeding are chelated with Glycine amino acid.
- Nitrogen source; Contains Organic Nitrogen, Urea, Ammonium Nitrogen.

Phosphorus source; Contains phosphorus in polyphosphate form. These special phosphates with a complex structure are more resistant to binding in the soil. It facilitates the phosphate intake of the plants, so that the plants start better and have a strong development and root system. It helps to form stronger plants and greener leaves.

Thanks to its production technology, it dissolves 100% in water quickly, so it leaves no residue, and thanks to its chelated with amino acid, it is easily absorbed from the root tissues and enters the plant.

It is applied to the root area with a drip irrigation system, the soil application dose for all plants is 1.5 Kg/da 3 times with 10 days intervals.

This phosphorus-based formulation is used to stimulate root growth in the early stages of the plant, to store phosphorus in its young stages, and to form a healthy flower during the flowering period. With its micro element content, it provides the micro element needs of the plants in regular use.

Provides root development, improves green parts, helps flowering and fruit setting. It strengthens weak plants. Increases yield and quality.

Homogeneous, dust-free, fluid, does not cause caking and clumping.

MODE OF EFFECT:

- It is easily absorbed from the root tissues and enters the plant body and accelerates the cell sap movements. Thus, it gives vital power to all the cells of the plant.

MIXABILITY:

It can be mixed with other pesticides and fertilizers, except for those with strong acid character.

GUARANTEED CONTENT

	W/W (%)
Total Organic Material	15
Organic Nitrogen	2
Free Amino Acids	1,2
Organic Carbon	7,5
Total Nitrogen	15
Phosphorus	35
Organic Activators	0,8

FORMULATION

SP
pH
6

MAX. MOISTURE

% 3

PACKAGING



15 KG

METHOD OF APPLICATION





DRIP 10-0-35 +15 O.M

ORGANOMINERAL DRIP IRRIGATION FERTILIZER

REGISTRATION TYPE NAME: SOLID ORGANOMINERAL FERTILIZER with NK

DRIP 10-0-35 is a new generation **Organomineral** Plant Nutrition Product produced with **zero loss** **IS Technology** formulation technologies specially developed for the Proplenty brand.



Thanks to the IS formulation technology, **DRIP 10-0-35** strengthens the plant's "Immune System" and protects the plant while feeding.



Thanks to the zero loss formulation technology, the plant nutrients in **DRIP 10-0-35** are 100% organically chelated and particle diameters are reduced to sizes that can be easily absorbed from root tissues. Thus, each nutrient element in its content is taken 100% and enters the plant with **Zero Loss**.



DRIP 10-0-35 +15 O.M



FEATURES:

Contains a high percentage of 15% Organic Matter originated from **amino acids**.

It is a special formulation containing **Potassium** in highly absorbable form and **Nitrogen** for the purpose of expanding the cell wall during the growth period of the fruit and also supported with **Organic Activators**. It can be applied from the period when the potassium need of the plant increases and the fruits start to grow. Its content has been designed in a way to target completely high quality fruit by ensuring that the fruit is large, full and firm, and well colored. It is designed to be applied to the root area with a drip irrigation system.

DRIP 10-0-35:

- It is produced from high quality raw materials with high technology.
- Sodium, chlorine etc. does not contain harmful metals.
- Thanks to its low salt content and balanced pH, it can be applied in every period of the plant without causing any phytotoxicity.
- The micro elements necessary for plant growth are chelated with the amino acid Glycine.
- Nitrogen source; Contains Organic Nitrogen, Urea, Ammonium and Nitrate Nitrogen.
- Potassium source; It comes from the combination of Potassium Nitrate, Potassium Carbonate and Potassium Sulphate.
- Thanks to its production technology, it dissolves 100% in water, so it leaves no residue, and thanks to its chelated with amino acid, it is easily absorbed from the root tissues and enters the plant.
- It is applied to the root area with a drip irrigation system, the soil application dose for all plants is 1.5 Kg/da 3 times with 10 days intervals. It is used until the end of harvest.
- It encourages the growing of hard and full fruit and contains the nitrogen required for the growth of the plant.
- Increases the plant's resistance to diseases.
- It is a plant nutrition product targeting high quality fruit by ensuring that the fruit is large, full and firm, and well colored.
- Increases the production amount and quality of sugar content after application.
- Homogeneous, dust-free, fluid, does not cause caking and clumping.

MODE OF EFFECT:

It is easily absorbed from the root tissues and enters the plant body and accelerates the cell sap movements. Thus, it gives vital power to all the cells of the plant.

MIXABILITY:

It can be mixed with other pesticides and fertilizers, except for those with strong acid character.

GUARANTEED CONTENT

	W/W (%)
Total Organic Material	15
Organic Nitrogen	2
Free Amino Acids	1,3
Organic Carbon	7,5
Total Nitrogen	10
Potassium	35
Organic Activators	0,9

FORMULATION

SP

pH

6

MAX. MOISTURE

% 3

PACKAGING



15 KG

METHOD OF APPLICATION





DRIP 6-22-22 +15 O.M

ORGANOMINERAL DRIP IRRIGATION FERTILIZER

REGISTRATION TYPE NAME: SOLID ORGANOMINERAL FERTILIZER with NPK

DRIP 6-22-22 is a new generation **Organomineral** Plant Nutrition Product produced with **zero loss** and **IS Technology** formulation technologies specially developed for the Proplenty brand.



Thanks to the IS formulation technology, **DRIP 6-22-22** strengthens the plant's "Immune System" and protects the plant while feeding.



Thanks to the zero loss formulation technology, the plant nutrients in **DRIP 6-22-22** are 100% organically chelated and particle diameters are reduced to sizes that can be easily absorbed from root tissues. Thus, each nutrient element in its content is taken 100% and enters the plant with **Zero Loss**.



DRIP 6-22-22 +15 O.M



FEATURES:

Contains a high percentage of 15% Organic Matter originated from **amino acids**.

This formulation, which contains equal amounts of **Phosphorus** and Potassium in high absorbable form, contains **Nitrogen** for the purpose of expanding the cell wall during the fruit growth period and supported with **Organic Activators**. It is a special formulation designed for the application of the plant during root development, pre-flowering and maturation periods. Drip 6-22-22 is a plant nutrition product specially formulated for the nutrition of vegetables, fruits and cut flowers grown in the soil for a long time. It is a formulation designed to be applied to the root area with a drip irrigation system.

DRIP 6-22-22:

- It is produced from high quality raw materials with high technology.
- Sodium, chlorine etc. does not contain harmful metals.
- Thanks to its low salt content and balanced pH, it can be applied in every period of the plant without causing any phytotoxicity.
- Micro elements necessary for plant growth are chelated with Glycine amino acid.
- Nitrogen source; Contains organic nitrogen, Ammonium Nitrogen.
- Phosphorus source; Contains phosphorus in polyphosphate form. These special phosphates with a complex structure are more resistant to binding in the soil. It facilitates the phosphate intake of the plants, so that the plants start better and have a strong development and root system. It helps to form stronger plants and greener leaves.
- Potassium source; It comes from the combination of Potassium Carbonate and Potassium Sulphate.
- Thanks to its production technology, it dissolves 100% in water, so it leaves no residue, and thanks to its chelated with amino acid, it is easily absorbed from the root tissues and enters the plant.
- It is applied to the root area with a drip irrigation system, the soil application dose for all plants is 1.5 Kg/da with 10 days intervals.
- Increases the production amount and quality of sugar content after application.
- It feeds the plant at every stage of production. It helps flowering and fruit setting. Provides healthy, homogeneous, high quality and colored fruit formation, strengthens weak plants. Increases yield and quality.
- Homogeneous, dust-free, fluid, does not cause caking and clumping.

MODE OF EFFECT:

- It is easily absorbed from the root tissues and enters the plant body and accelerates the cell sap movements. Thus, it gives vital power to all the cells of the plant.

MIXABILITY:

It can be mixed with other pesticides and fertilizers, except for those with strong acid character.

GUARANTEED CONTENT

	W/W (%)
Total Organic Material	15
Organic Nitrogen	2
Free Amino Acids	1,3
Organic Carbon	7,5
Total Nitrogen	6
Phosphorus	22
Potassium	22
Organic Activators	0,9

FORMULATION

SP
pH
6
MAX. MOISTURE
% 3

PACKAGING


15 KG

METHOD OF APPLICATION





we protect while feeding

Organomineral Foliar Fertilizers

— FOLIAR 16-16-16

— FOLIAR 30-15

— FOLIAR 15-40

— FOLIAR 4-0-40



FOLIAR 16-16-16 +15 O.M

ORGANOMINERAL FOLIAR FERTILIZER

REGISTRATION TYPE NAME: SOLID ORGANOMINERAL FERTILIZER with NPK

FOLIAR 16-16-16 is a new generation **Organomineral** Plant Nutrition Product produced with **zero loss** **IS Technology** **FROST GUARD** formulation technologies specially developed for the Proplenty brand.



Thanks to the IS formulation technology, **FOLIAR 16-16-16** strengthens the plant's "Immune System" and protects the plant while feeding.



Thanks to the zero loss formulation technology, the plant nutrients in **FOLIAR 16-16-16** are 100% organically chelated and the particle diameters are reduced to sizes (> 20 µm) that can be easily absorbed from leaf stomata and tissues.

Thus, each nutrient element in its content is taken 100% and enters the plant with **Zero Loss**.



Thanks to Frostguard formulation technology, **FOLIAR 16-16-16** provides the **maximum performance** required for plant growth in cold weather.



FOLIAR 16-16-16 +15 O.M

POWERED BY



FEATURES:

Contains a high percentage of 15% Organic Matter originated from **amino acids**.

This formulation containing **Nitrogen**, **Phosphorus** and **Potassium** in equal amount and supported with **Organic Activators**, It is designed for application in the young stages of the plant.

In addition, it is a formulation specially produced for green parts (leaf) applications, designed to support the needs of plants that need abundant flowering in the future.

FOLIAR 16-16-16:

- It is produced with high technology from quality raw materials.
- Sodium, chlorine etc. does not contain harmful metals.
- Thanks to its low salt content and balanced pH, it can be applied from the green parts (leaves) without causing any phytotoxicity in every period of the plant.
- The micro elements necessary for plant feeding are chelated with Glycine amino acid.
- Nitrogen source; Contains Organic Nitrogen, Urea, Ammonium Nitrogen.
Phosphorus source; Contains phosphorus in polyphosphate form. These special phosphates with a complex structure are more resistant to binding in the soil. It facilitates the phosphate intake of the plants, so that the plants start better and have a strong development and root system. It helps to form stronger plants and greener leaves.
- Potassium source; It is Potassium Carbonate.
- Thanks to its production technology, it dissolves 100% rapidly in water, so it leaves no residue, and thanks to its chelated with amino acid, it is easily absorbed from leaf stomata and enters the plant.
- It is applied to the green parts by spraying and sprinkling system. The foliar application dose for all plants is 150-200 gr/100 L water 3 times with 10 days intervals.
- Increases the production amount and quality of sugar content after application.
- It feeds the plant at every stage of production. Increases green parts development, helps flowering and fruit setting. It strengthens weak plants. Increases yield and quality.
- Homogeneous, dust-free, fluid, does not cause caking and clumping.

MODE OF EFFECT:

- It is easily absorbed from the root tissues and enters the plant body and accelerates the cell sap movements. Thus, it gives vital power to all the cells of the plant.

MIXABILITY:

It can be mixed with other pesticides and fertilizers, except for those with strong acid character.

GUARANTEED CONTENT

	W/W (%)
Total Organic Material	15
Organic Nitrogen	2
Free Amino Acids	1,3
Organic Carbon	7,5
Total Nitrogen	16
Phosphorus	16
Potassium	16
Organic Activators	0,8

FORMULATION

SP
pH
7
MAX. MOISTURE
% 4

PACKAGING

	1 KG
	2,5 KG

METHOD OF APPLICATION





FOLIAR 30-15 +15 O.M

ORGANOMINERAL FOLIAR FERTILIZER

REGISTRATION TYPE NAME: SOLID ORGANOMINERAL FERTILIZER with NP

FOLIAR 30-15 is a new generation **Organomineral** Plant Nutrition Product produced with **zero% loss** **IS Technology** **FROST GUARD** formulation technologies specially developed for the Proplenty brand.



Thanks to the IS formulation technology, **FOLIAR 30-15** strengthens the plant's "Immune System" and protects the plant while feeding.



Thanks to the zero loss formulation technology, the plant nutrients in **FOLIAR 30-15** are 100% organically chelated and the particle diameters are reduced to sizes (> 20 µm) that can be easily absorbed from leaf stomata and tissues.

Thus, each nutrient element in its content is taken 100% and enters the plant with **Zero Loss**.



Thanks to Frostguard formulation technology, **FOLIAR 30-15** provides the **maximum performance** required for plant growth in cold weather.



FOLIAR 30-15 +15 O.M



FEATURES:

Contains a high percentage of 15% Organic Matter originated from **amino acids**. It promotes the formation of healthy green parts in the plant, rooting and flowering. It is applied when the plants need high nitrogen and phosphorus. This formulation, which contains **Nitrogen** in a highly absorbable form, contains **Phosphorus** in order to encourage rooting and supported with **Organic Activators**, provides the formation of healthy green parts in the plant. It is a product designed to encourage vegetative parts, rooting and flowering. It is a formulation developed for green parts (leaf) applications.

FOLIAR 30-15:

- It is produced with high technology from quality raw materials.
- Sodium, chlorine etc. does not contain harmful metals.
- Thanks to its low salt content and balanced pH, it can be applied in every period of the plant without causing any toxicity.
- The micro elements necessary for plant breeding are chelated with Glycine amino acid.
- Nitrogen source; Contains Organic Nitrogen, Urea, Ammonium Nitrogen.
- Phosphorus source; Contains phosphorus in polyphosphate form. These special phosphates with a complex structure are more resistant to binding in the soil. It facilitates the phosphate intake of the plants, so that the plants start better and have a strong development and root system. It helps to form stronger plants and greener leaves.
- Thanks to its production technology, it dissolves 100% in water, so it leaves no residue, and thanks to its chelated with amino acid, it is easily absorbed from leaf stomata and enters the plant.
- It is applied to the green parts by spraying and sprinkling system. The foliar application dose for all plants is 150-200 gr/100 L water 3 times with 10 days intervals.
- It feeds the plant at every stage of production. It improves the green parts, helps flowering and fruit setting. It strengthens weak plants. Increases efficiency and quality.
- Homogeneous, dust-free, fluid, does not cause caking and clumping.

MODE OF EFFECT:

- It is easily absorbed from the root tissues and enters the plant body and accelerates the cell sap movements. Thus, it gives vital power to all the cells of the plant.

MIXABILITY:

It can be mixed with other pesticides and fertilizers, except for those with strong acid character.

GUARANTEED CONTENT

	W/W (%)
Total Organic Material	15
Organic Nitrogen	2
Free Amino Acids	1,3
Organic Carbon	7,5
Total Nitrogen	30
Phosphorus	15
Organic Activators	0,8

FORMULATION

SP
pH
6

MAX. MOISTURE

% 3

PACKAGING

	1 KG
	2,5 KG

METHOD OF APPLICATION







FOLIAR 15-40 +15 O.M

ORGANOMINERAL FOLIAR FERTILIZER

REGISTRATION TYPE NAME: SOLID ORGANOMINERAL FERTILIZER with NP

FOLIAR 15-40 is a new generation **Organomineral** Plant Nutrition Product produced with **zero% loss**  **FROST GUARD**  formulation technologies specially developed for the Proplenty brand.



Thanks to the IS formulation technology, **FOLIAR 15-40** strengthens the plant's "Immune System" and protects the plant while feeding.



Thanks to the zero loss formulation technology, the plant nutrients in **FOLIAR 15-40** are 100% organically chelated and the particle diameters are reduced to sizes (> 20 µm) that can be easily absorbed from leaf stomata and tissues.

Thus, each nutrient element in its content is taken 100% and enters the plant with **Zero Loss**.



Thanks to Frostguard formulation technology, **FOLIAR 15-40** provides the **maximum performance** required for plant growth in cold weather.



FOLIAR 15-40 +15 O.M

POWERED BY



FEATURES:

Contains a high percentage of 15% Organic Matter originated from **amino acids**.

This formulation, which contains **Phosphorus** in a highly absorbable form, contains **Nitrogen** to support the development and is strengthened with **Organic Activators**; Encourages root development, provides plenty of phosphorus in their young period when plants store phosphorus, making the plant bloom. In the future, it supports the excessive phosphorus consumption required for seed maturation in the plant. It is a specially designed formulation for green parts (leaf) applications.

FOLIAR 15-40:

- It is produced from high quality raw materials with high technology.
- Sodium, chlorine etc. does not contain harmful metals.
- Thanks to its low salt content and balanced pH, it can be applied in every period of the plant without causing any phytotoxicity.
- Micro elements required for plant feeding are chelated with Glycine amino acid.
- Nitrogen source; Contains Organic Nitrogen, Urea, Ammonium Nitrogen.
- Phosphorus source; Contains phosphorus in polyphosphate form. These special phosphates with a complex structure are more resistant to binding in the soil. It facilitates the phosphate intake of the plants, so that the plants start better and have a strong development and root system. It helps to form stronger plants and greener leaves.
- Thanks to its production technology, it dissolves 100% in water, so it leaves no residue, and thanks to its chelated with amino acid, it is easily absorbed from leaf stomata and enters the plant.
- It is applied to the green parts by spraying and sprinkling system. The foliar application dose for all plants is 150-200 mg/100 L water 3 times with 10 days intervals.
- This phosphorus-based formulation is used to stimulate root growth in the early stages of the plant, to store phosphorus in its young stages, and to form a healthy flower during the flowering period. With its micro element content, it provides the micro elements need of the plants in regular use.
- Provides healthy and high quality root development, improves green parts, helps flowering and fruit setting. It strengthens weak plants. Increases yield and quality.
- Homogeneous, dust-free, fluid, does not cause caking and clumping.

MODE OF EFFECT:

- It is easily absorbed from the root tissues and enters the plant body and accelerates the cell sap movements. Thus, it gives vital power to all the cells of the plant.

MIXABILITY:

It can be mixed with other pesticides and fertilizers, except for those with strong acid character.

GUARANTEED CONTENT

	W/W (%)
Total Organic Material	15
Organic Nitrogen	2
Free Amino Acids	1,3
Organic Carbon	7,5
Zn	1
Total Nitrogen	15
Phosphorus	40
Organic Activators	0,8

FORMULATION

SP
pH
6,5

MAX. MOISTURE

% 3

PACKAGING

	1 KG
	2,5 KG

METHOD OF APPLICATION





FOLIAR 4-0-40 +15 O.M

ORGANOMINERAL FOLIAR FERTILIZER

REGISTRATION TYPE NAME: SOLID ORGANOMINERAL FERTILIZER with NK

FOLIAR 4-0-40 is a new generation **Organomineral** Plant Nutrition Product produced with **zero loss** **IS Technology** **FROST GUARD** formulation technologies specially developed for the Proplenty brand.



Thanks to the IS formulation technology, **FOLIAR 4-0-40** strengthens the plant's "Immune System" and protects the plant while feeding.



Thanks to the zero loss formulation technology, the plant nutrients in **FOLIAR 4-0-40** are 100% organically chelated and the particle diameters are reduced to sizes (> 20 µm) that can be easily absorbed from leaf stomata and tissues.

Thus, each nutrient element in its content is taken 100% and enters the plant with **Zero Loss**.



Thanks to Frostguard formulation technology, **FOLIAR 4-0-40** provides the maximum performance required for plant growth in cold weather.



FOLIAR 4-0-40 +15 O.M



FEATURES:

Contains a high percentage of 15% Organic Matter originated from **amino acids**. It is this formulation that contains **Potassium** in a highly absorbable form, contains **Nitrogen** to expand the cell wall during the growth period of the fruit and is supported with **Organic Activators**. This formulation, which is applied from the period when the plant's need for potassium increases and the fruits begin to grow, it has been designed to target completely high quality fruit, which ensures that the fruit becomes large, full and firm, and well colored. It is a formulation specially designed for green parts (leaf) applications in order to obtain more yield and quality products.

FOLIAR 4-0-40:

- It is produced with high technology from quality raw materials.
- Sodium, chlorine etc. does not contain harmful metals.
- Thanks to its low salt content and balanced pH, it can be applied in every period of the plant without causing any toxicity.
- The micro elements necessary for plant feeding are chelated with Glycine amino acid.
- Nitrogen source; Contains organic nitrogen, Urea Nitrogen.
- Potassium source; It is Potassium Carbonate
- Thanks to its production technology, it dissolves 100% in water quickly, so it leaves no residue, and thanks to its chelated with amino acid, it is easily absorbed from the leaves and enters the plant.
- It is applied to the green parts by spraying and sprinkling system, the green part (leaf) application dose for all plants is 150-200 gr/100 L water 3 times with 10 days intervals. It is used until the end of harvest.
- It encourages the growing of hard and full fruit and contains the nitrogen required for the growth of the plant.
- Increases the plant's resistance to diseases.
- It is a plant nutrition product that completely targets high quality fruit due to the large growth of the fruit, its fullness and hardness, and its good coloring.
- Increases the production amount and quality of sugar content after application.
- Homogeneous, dust-free, fluid, does not cause caking and clumping.

MODE OF EFFECT:

- It is easily absorbed from the root tissues and enters the plant body and accelerates the cell sap movements. Thus, it gives vital power to all the cells of the plant.

MIXABILITY:

It can be mixed with other pesticides and fertilizers, except for those with strong acid character.

GUARANTEED CONTENT

	W/W (%)
Total Organic Material	15
Organic Nitrogen	2
Free Amino Acids	1,3
Organic Carbon	7,5
Mg	1,3
Total Nitrogen	4
Phosphorus	40
Organic Activators	0,8

FORMULATION

SP
pH
7

MAX. MOISTURE

% 3

PACKAGING

	1 KG
	2,5 KG

METHOD OF APPLICATION





we protect while feeding

Organomineral Calcium

MARBLE



MARBLE

ORGANIC CALCIUM

REGISTRATION TYPE NAME: LIQUID ORGANOMINERAL FERTILIZER WITH NITROGEN

MARBLE is a new generation **Activator** produced with **zero% loss** **IS Technology** **FROST GUARD** formulation technologies specially developed for the Proplenty brand.



Thanks to the IS formulation technology, **MARBLE** strengthens the plant's "Immune System" and protects the plant while feeding.



Thanks to the zero loss formulation technology, the plant nutrients in **MARBLE** are 100% organically chelated and the particle diameters are reduced to sizes (> 20 µm) that can be easily absorbed from leaf stomata and tissues.

Thus, each nutrient element in its content is taken 100% and enters the plant with **Zero Loss**.



Thanks to Frostguard formulation technology, **MARBLE** provides the **maximum performance** required for plant growth in cold weather.



MARBLE



FEATURES:

• **MARBLE** is a new generation **Organic Calcium** which is chelated with amino acid and contains **Calcium** in high organic form, also contains **Organic Nitrogen** and supported with Organic Activators, which can be easily taken by the plant and transported quickly between cells.

Reasons of Calcium deficiencies in plant; Calcium is an immobile element. Its movement within the plant occurs with a passive mechanism, the movement of water. When the stoma in the plant is opened, perspiration starts, water is drawn up and thus calcium is also drawn. If the stoma is closed, there is no sweating and calcium is not carried.

Therefore, calcium deficiency more; It occurs during the winter months when the stomata are closed and when the temperature is very high.

Amino acids contained in **MARBLE** enable stomata to open. Thanks to these amino acids, the stomata are opened even if the air is closed. Perspiration starts in the plant. Calcium is transported by the movement of water.

EFFECT AND BENEFITS:

Effects and benefits in the plant:

- It decreases the production of ethylene gas by increasing the amount of calcium in the fruit. Thus, the storage life of the fruit is extended.
- **MARBLE** within the plant creates Ca pectate in the cell wall. Therefore, hardness occurs in the cell membrane. This provides durability in plant tissues.
- **MARBLE** triggers the formation of a protein complex called calmodulin. This activates a number of enzymes.
- **MARBLE** produces oxalate inside the cell. This sets the osmotic pressure.

Effects and benefits in soil:

- Replaces H ion in acidic soils. It balances the pH.
- Replaces Na. It reduces erosion by causing the soil to clump. It increases the water holding capacity.
- It prevents the loss of K and NH₄ as it is replaced by H.
- Prevents Fe, Mn, Zn and Boron deficiencies caused by excessive Ca deficiency.
- It binds phosphoric anions.

CAUSES OF CALCIUM DEFICIENCY

- There is no calcium in the soil or it may be in unavailable form.
- If the pH is above 8, the solubility of calcium decreases. Calcium cannot be taken.
- If the soil salinity is high: (If the Na ratio in the soil is high, calcium cannot be taken.)
- If there is too much NH₄ - K - Mg in the soil,
- If the amount of organic matter is weak and the cation exchange capacity is low,
- If the plant has less transpiration (due to relative humidity, low temperature, drought)
- If the plant grows fast, calcium intake slows down.
- If photosynthesis is less, calcium intake will be less. In these cases, if a good quality water is used, if irrigation is done properly and **MARBLE** is applied, calcium deficiency will not occur.

In summary, **MARBLE** is a new generation Organic Calcium that can be transported. In addition, the amino acids in its content help the plant to develop significantly as it is the building block of the plant.



MARBLE



SYMPTOMS OF CALCIUM DEFICIENCY IN SOME PLANTS

PLANT	DAMAGES
Apple	Bitter Speck.
Pear	Brown skin.
Tomato, Pepper	Softening and dying at the fruit tip, flower nose rot.
Cucumber, Melon	Softening and dying on fruit tip, flower nose rot.
Lettuce, Celery, Cabbage	Burning at the tip, dying on the leaf tips and drying out.
Grape	The slow death of the fruit by softening and settling.
Cherry, Plum.	Cracking
Strawberry	Tip blight, death and drying on leaf tips.
Cotton	Casting of young combs.

USAGE DOSAGE

APPLICATION TIME	APPLICATION DOSE	FOLIAR APPLICATION (ml/decare)	APPLICATION NUMBER
Tomato, Pepper, Strawberry (against flower nose rot, tip burn, loosening of fruit tissue)			
- Vegetative growth - While the fruit is developing	In low deficiencies 100-125 ml/da	In heavy deficiencies 200-250 ml/da	1-2 times during the growing period, fruits When it is 2 cm, 2-3 times with 10-15 days intervals applied.
Lettuce, Celery (against leaf tip burns)			
- Vegetative growth - While the fruit is developing	In low deficiencies 150-200 ml/da	In heavy deficiencies 250-300 ml/da	During the production period 2-3 applications made
Fruits (against bitter spots, blackening, etc.)			
EARLY APPLICATION - When the flower petals fall - 20 days after fruit set - 40 days after fruit set LATE APPLICATION - 60 days before harvest - 40 days before harvest - 20 days before harvest - Post-harvest use, before storage dipping application	In low deficiencies 150-200 ml/da	In heavy deficiencies 250-300 ml/da	Early applications (2 times) is important. In areas where painful spots are common, early application It is necessary to start and continue during the period.
In Banana Gardens			
Summer Period.	In low deficiencies 125-200 ml/da	In heavy deficiencies 250-300 ml/da	3-5 applications are made at intervals of 15-20 days during the summer period..
Cotton (against Comb pouring in cotton)			
In Comb Formation	In low deficiencies 125-200 ml/da	In heavy deficiencies 250-300 ml/da	It is applied 1-2 times with 10-15 days intervals.

GUARANTEED CONTENT

	W/W (%)
Total Organic Material	30
Organic Nitrogen	1,5
Free Amino Acids	3
Organic Carbon	5
Total Nitrogen	8
Organic Activators	1
Organic Calcium	11

FORMULATION

SC
pH
6,3
DENSITY
1,2 Kg/L

PACKAGING

	1 LT
	5 LT
	10 LT

For all plants with drip irrigation system 1-2 liters / decare

METHOD OF APPLICATION





we protect while feeding

Mixture Agent

AGENT



AGENT

MIXING AGENT, PH REGULATOR, TANK CLEANER

FEATURES:

- Mixture problems arising in multiple mixtures (pesticide and fertilizer mixtures), one of the biggest problems of farmers in the agricultural sector, create insoluble salts by showing an antagonistic effect of the products in the same solution. Therefore, the ineffectiveness of the pesticides and fertilizers used is observed. In addition, the farmer has to apply the pesticides and fertilizers that form an antagonistic reaction with each other in the same solution separately. At this point, there is an increase in application costs of the products and labor force costs.
- Proplenty Agent, developed for the clear solution of this important problem and qualified as Mixing Agent, offers farmers a target-oriented real solution.

SPECIAL EFFECT MECHANISMS:

1- Mixing Agent effect;

In multiple mixtures (pesticides & fertilizers) 3 important criteria that affect the result are taken into consideration;

- Effectiveness of the products in the mixture
- Risk of phytotoxicity of the mixture on the plant
- Physical problems (collapse etc.)

AGENT increases the effectiveness of the products in the mixture, reduces the risk of phytotoxicity to zero and eliminates sedimentation problems.

AGENT is a completely safe and solution-oriented product that eliminates the problem of sedimentation and the mixing of many Pesticides and Plant Nutrition Products that react with each other in the same solution. Micro elements such as zinc, iron, manganese, magnesium, calcium, copper and boron show an antagonistic effect with each other and form insoluble salts.

For example, zinc and phosphorus combine to form insoluble zinc phosphate salt. **AGENT**; It separates each element by binding ions and makes it soluble and useful.



AGENT

2- The effect of preventing the products from staining; It delivers the products to the fruits and flowers of the plants in the form of a homogeneous and thin film. Thus, the quality is increased by preventing the pesticides from staining. Prevents stains on fruits and ornamental plants after spraying.

3- Ph regulating effect; It lowers the pH of water with high pH (alkaline) in the mixing tanks.

The pH values of the well waters or channel waters used in the mixing tanks are generally high (8-10 and above). Agricultural pesticides and liquid fertilizers lose their effectiveness rapidly due to the high pH of the water in the mixing tank and their duration of action is shortened.

AGENT maintains the effectiveness of the sprayed products by reducing the PH of the mixture by at least 2 degrees. It makes the sediments that occur in drip irrigation with hard water, soluble again. It cleans the mixing tank and spray nozzles when used regularly.

4- Soil aeration effect; When it is applied to the soil surface especially in the soil preparation before planting of vegetable seeds and other seeds, it helps the clods formed on the surface to disperse and soften, it aerates the soil.



GUARANTEED CONTENT

	W/W (%)
Organic Acids	90
Additives	10

FORMULATION

SC
pH
4

DENSITY

1,08 Kg/L

PACKAGING

	0,5 LT
	1 LT

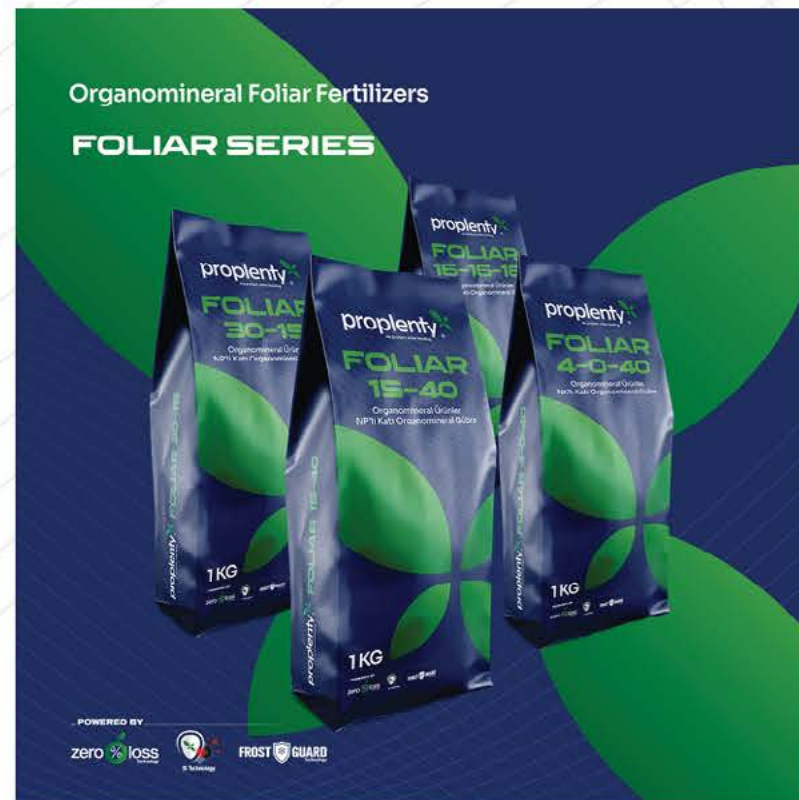
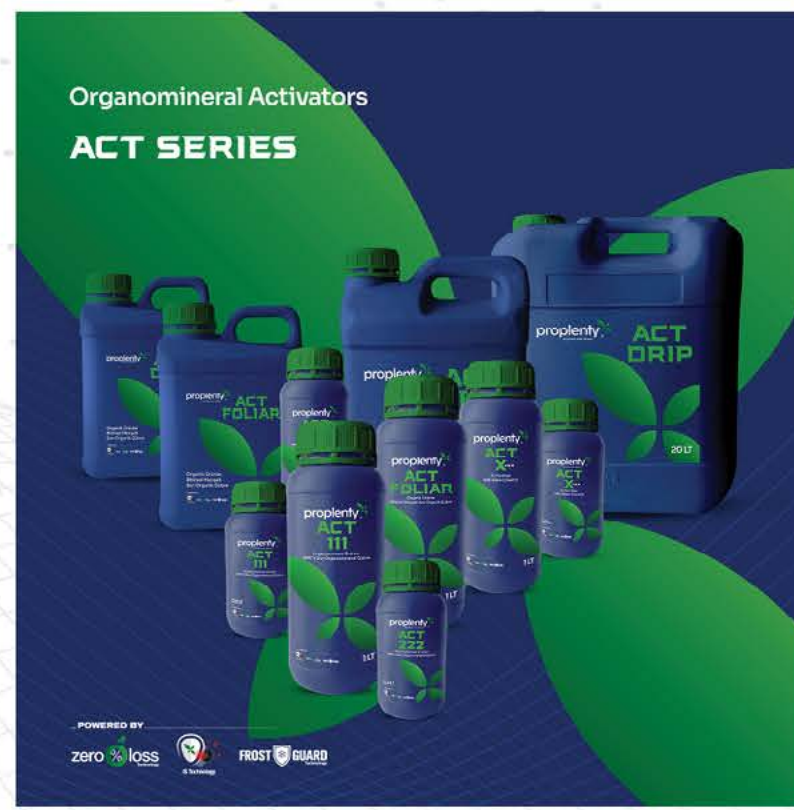
METHOD OF APPLICATION



APPLICATION TIME, PURPOSE AND DOSE:

- Used at a dosage of 50-100 ml in 100 lt of water as a product mixing facilitator, PH reducer, tank cleaner and foam breaker.
- The dose can be increased from 200 ml to 500 ml in 100 liters of water in the cleaning of drip irrigation pipes.
- In order to help the aeration of the soil, a mixture is made by using 2 lt AGENT in 100 lt of water.

From this mixture, it is sprayed onto the soil in the form of coating with an amount of 50 liters per decare or sprayed in the amount of 5 liters on each of the band-shaped soil strips with a length of 100 m and a width of 10 cm.





ASSOCIATIONS AND ORGANIZATIONS THAT WE COOPERATE WITH IN CULTURAL, HAND ARTS AND SPORTS ACTIVITIES .



Beyşehir Kültür ve Turizm Derneği



Kültür ve El Sanatları



Elit Spor Malzemeleri

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we protect while feeding®

takavci®
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