



2024  
PRODUCT  
CATALOUGE

BIOSTIMULANTS  
BIOCONTROL  
BIOREMEDIATION  
BIODEGRADATION



Supersol

GROMA



# PLANT PROTECTION PRODUCTS





# SUPRAKAL

380 g/L Calcium Polysulphide  
Fungicide-Acaricide-Nematicide

## PACKAGING

- 1L
- 5L
- 10L
- 20L

CROP TYPE	DISEASE/PEST	DOSAGE	
Apple	Apple Scab ( <i>Venturia inaequalis</i> )	First application	2000 cc / 100 L water
		Second application	1000 cc / 100 L water
		Third application	800 cc / 100 L water
		Other applications	400 cc / 100 L water
Vineyard (Grape)	Grape powdery mildew ( <i>Erysiphe necator</i> )	First application	1000 cc / 100 L water
		Second application	800 cc / 100 L water
		Third and other application	400 cc / 100 L water
Hazelnut	Hazelnut powdery mildew ( <i>Erysiphe sp.</i> )	500 cc / 100 L water	
Hazelnut	Big Bud Mite ( <i>Phytoptus avellanae</i> ), ( <i>Cecidophyopsis vermiformis</i> )	500 cc / 100 L water	
Tomatoes	Powdery Mildew ( <i>Erysiphe heracleid</i> ), ( <i>Leveillula taurica</i> )	300 cc / 100 L water	
Tomatoes	Broad Mite ( <i>Polyphagotarsonemus latus</i> )	300 cc / 100 L water	
Tomatoes	Root-Knot Nematode ( <i>Meloidogyne spp.</i> )	30 l/da (with solarization)	
Tomatoes	Red Spider Nematode ( <i>Tetranychus spp.</i> )	350 cc/100 L water (Greenhouse) 350 cc/da (Field)	
Banana (Greenhouse)	Banana Spiral Nematode ( <i>Helicotylenchus multicinctus</i> )	7 L /da	
Citrus	Red Spider Mite ( <i>Panonychus citri</i> )	400 cc / 100 L water	
Wheat	Powdery Mildew ( <i>Erysiphe graminis</i> )	300 cc/da	
Wheat	Stripe (yellow) Rust ( <i>Puccinia striiformis</i> )	300 cc/da	
Wheat	Leaf Spot ( <i>Septoria tritici</i> )	300 cc/da	

### MODE of ACTION

- Curative effect: Alkaline reaction due to a high pH (-11,2).
- Saponification of the cell wall lipids and therefore a better permeation through the cell wall.
- Preventive effect: Intervention in the citric acid cycle of the fungus.

### PROPERTIES, FUNCTIONS AND BENEFITS

- Strong curative effect during the primary ascospore period of scab
- Curative effect against *Taphrina deformans*, plum rust (*Tranzschelia pruni*), cherry leaf spot (*Blumeriella jappii*), Shot hole disease (*Coryneum*)
- Comparable with curative chemical plant protection products; can replace a resistant chemical curative product
- No risk of resistance due to unspecific mode of action
- Residue-free
- Avoids resistances in combined programs with conventional fungicides
- Good side effect to Marssonina, Sooty blotch, Powdery mildew
- Good side effect to mites

### TIME OF APPLICATION

**BLACK SPOT ON APPLE:** First spraying: When flower buds appear. Second spraying: It is done at the pink flower bud stage (when the flowers are seen separately). Third spraying: It is done when the flower petals fall between 70-80%. Fourth and other sprayings: It is applied at intervals of 10-14 days when ecological conditions are suitable for the progression of the disease.

**VINEYARD POWDERY MILDEW:** First Spraying: It is done when the shoots are 25-30 cm before flowering. Second Spraying: During the period when the flower buds are separated before flowering, Third Application: During the period when the flower petals fall and the groves are small in size, 4th and other sprayings: It is done at 10-14 day intervals until the moles fall.

**HAZELNUT POWDERY MILDEW:** If powdery mildew disease occurs for the first time in the garden, the application begins as soon as the symptoms appear. If the disease has been observed in previous years, the application begins during the binding period of fruit (chotanak). Taking in to account the severity of the disease, climatic conditions, and duration of action of the drug, the second and other drugs are continued until harvest.

**CONIFER MITES IN HAZELNUTS:** April to May, three shoots 4-4. 5 leaves, new buds are half the size of The Pinhead, and newly developed fruits are the size of lentils (about 3 mm in diameter), if there are on average 5 conifers on a branch, spraying is done at the end of April to the beginning of May.

**TOMATO (FIELD-GREENHOUSE) POWDERY MILDEW:** Spraying is done when the first sign of the disease is seen in the field and greenhouse. Second and other drugs are made taking into account the severity of the disease, climatic conditions, and duration of action of the drug.

**TOMATO (FIELD-GREENHOUSE) RED SPIDER:** 20 leaves are collected per decare, and the live red spiders are counted with a magnifying glass, and the struggle is decided when there are an average of 3 live red spiders per leaf.

**YELLOW TEA MITE IN VEGETABLES (GREENHOUSE):** 30 plants are randomly selected to sample homogenously. One leaf is taken from the upper and middle parts of each plant. When 4-5 live yellow tea mites per leaf are seen in the reviews, the application is done.

**CITRUS RED SPIDER:** Late February March-early March in citrus orchards in spring, moving individuals on the lower and upper surface of leaves are counted with a magnifying glass. If there are more than 4-9 living individuals on ten leaves, the fight must be done. A week after connecting the fruit can also be applied.

**ROOT-KNOT NEMATODE IN TOMATO:** Application with solarization: After the soil is saturated with water, the soil surface is covered with a transparent plastic cover so as not to leak gas. With the SUPRAKAL drip irrigation system, it is applied to a depth of 20-25 cm in the soil, and the content of the prepared solution does not exceed 5% Suprakal. Solarization continues for at least 2-4 weeks.

**BANANA SPIRAL NEMATODE:** The first application when the above-ground part has 3-4 leaves, the second application when the first banana bunch is formed, and the third application when the fruit clusters are formed should be done. Each application should be repeated 3 times with an interval of 10 days. It is important that the prepared solution does not exceed 2% in applications. If the bicarbonate ratio of the water to be used in drip applications is high, it is recommended to perform preliminary tests.

### CAUTIONS AND WARNINGS:

- Before the application, the application machine should be calibrated.
- Applicable amount of mixture for the specific area should be adjusted.
- Avoid using in days and time intervals when air temperature is higher than 25°C.
- If the bicarbonate percentage in the water used is high; it is required to add Suprakal to water and mix it thoroughly after a water resting time of 2 hours.
- If the Bicarbonate ratio is high of the water used, it is recommended to use nitric acid to clean the pipes after using.
- In solarization application, after water saturation of soil, completely cover the soil surface with a transparent plastic covering to keep gases. Suprakal is applied in the soil to a depth of 20-25 cm with drip irrigation system. The Suprakal ratio in the prepared mixture should not exceed 2%. It is recommended to test on a local valve before drip irrigation applications.
- Should be used alone.



**NOP COMPLIANT**  
PRODUCT SUITABLE FOR USE IN ORGANIC AGRICULTURE  
CONFORMING TO NOP REGULATION





# SUPRAOIL

800 g/L Paraffinic mineral oil  
Insecticide - Acaricide

### PACKAGING

- 1L
- 5L
- 10L
- 20L



### TARGETED PLANTS AND PESTS

CROP TYPE	DISEASE/PEST	DOSAGE
Cucumber (Greenhouse)	Red spider mite ( <i>Tetranychus urticae</i> , <i>Tetranychus cinnabarinus</i> )	800 cc/100 L water
Pear	Pear psyllid ( <i>Cacopsylla pyri</i> )	1500 cc/100 L water
Peach	Mulberry scale louse ( <i>Pseudaulacaspis pentagona</i> )	3000 cc/100 L water
Citrus	Citrus mealybug ( <i>Planococcus citri</i> )	1500 cc/100 L water
Pistachios	Pistachio psyllid ( <i>Agonoscena pistaciae</i> )	1500 cc/100 L water

### PROPERTIES, FUNCTIONS AND BENEFITS

- Summer Oil by nature.
- Prevents mobility of mature insects, thereby precluding them from mating and egg-laying. Thus, pest population is reduced.
- Does not cause toxicity in plant. Provides high yield and efficiency.
- No end-of-harvest holding time.
- Harmless to environment and humans.

### TIME OF APPLICATION

**Cucumber (Greenhouse) Red Spider Mite:** Application is started if and when 5 live red spider mites are detected per leaf in counts. Single application is adequate.

**Pear Psyllid:** Applied when all of the eggs left by overwintering generation adult insects are hatched, and 2nd and 3rd Period nymphs are seen. If needed, summer application may also be made.

**Peach Mulberry Scale Louse:** Applications are started at the first larva hatching, and second application is made depending on duration of effect of drug.

**Citrus Mealybug:** While fruits are the size of nuts, Supraoil is used to reduce the population and partially prevent dumping in gardens where 10% or more harmful dishes are detected.

**Pistachio Psyllid:** SUPRAOIL is used to reduce the population and partially prevent flaking in gardens where 10% or more harmful contamination is detected, while the fruits are the size of hazelnuts.

# MICROBIAL BIOSTIMULANTS





# SS-SUPER ROOT

Microbial Biostimulant

### PACKAGING

- 1 L
- 5 L
- 10 L
- 20 L



GUARANTEED CONTENT	
Microorganisms	<i>Pseudomonas fluorescens</i> <i>Paenibacillus polymyxa</i> <i>Bacillus megaterium</i> <i>Pantoea agglomerans</i>
Total live microorganism count	1 x 10 <sup>7</sup> cfu/ml

### FUNCTIONS AND BENEFITS

- Effective in the formation of the capillary root system.
- Nitrogen fixer, phosphate solubilizer.
- Abiotic stress reducer
- Can be used to prevent root diseases.
- The production of organic acids, amino acids, plant growth regulating hormones promotes rhizogenesis.
- It allows the plant root area to go deeper and reach soil moisture.
- Increased root surface area allows better uptake of macro and micro-nutrients in the soil.
- Ideal for seed inoculation.
- Decomposes the nutrients that are bound in the soil.
- Provides a good vegetative development by converting the free nitrogen in the air into nitrate and ammonium form favoring their intake.
- Not to be used with bactericidal and copper-containing preparations.

### RECOMMENDED DOSAGE

SS-SUPER ROOT RECOMMENDED DOSES OF APPLICATION		
CROP TYPE	CROP	SOIL DRENCH IRRIGATION / DIPPING
Vegetables	Tomato, Pepper, Eggplant, Cucumber, Zucchini, Strawberry, Melon, Watermelon, Cabbage, Lettuce, Dill, Broccoli, Artichoke etc.	10 L/ha
Fruit Trees and Vineyard	Hard Cores (Cherry-Plum-Apricot etc.) Soft Cores (Apple-Pear etc.) Citrus (Orange-Lemon etc.) Hard Shell (Pistachio, Walnut-Hazelnut-Almond etc.), Olive, Pomegranate, Banana, Strawberry	10-20 L/ha
Field Crops	Cereals (wheat, barley, oats, paddy), Legumes (soybean, lentils, chickpeas), Cotton, Corn, Sunflower, Tobacco, Potato, Beet etc.	2-4 L/ha

\* For detailed information, please contact our technical team.

\* SEED COATING: Solution prepared with the required amount of SS-SUPER ROOT according to the seed type and seed size is sprayed on the entire surface of the seeds and the formed. Dried seeds are ready for planting.



# SS-SUPER PAN

Microbial Biostimulant

### PACKAGING

- 1 L
- 5 L
- 10 L
- 20 L



GUARANTEED CONTENT	
Microorganisms	<i>Pantoea agglomerans</i> <i>Paenibacillus polymyxa</i> <i>Bacillus megaterium</i> <i>Pseudomonas fluorescens</i>
Total live microorganism count	1 x 10 <sup>7</sup> cfu/ml

### FUNCTIONS AND BENEFITS

- Special product for tuber plants
- Effective in the formation of the capillary root system.
- Nitrogen fixer, phosphate solubilizer.
- Abiotic stress reducer
- Can be used to prevent root diseases
- The production of organic acids, amino acids, plant growth regulating hormones promotes rhizogenesis.
- It allows the plant root area to go deeper and reach soil moisture.
- Increased root surface area allows better uptake of macro and micro-nutrients in the soil.
- Ideal for seed inoculation
- Decomposes the nutrients that are bound in the soil.
- Provides a good vegetative development by converting the free nitrogen in the air into nitrate and ammonium form favoring their intake.
- Not to be used with bactericidal and copper-containing preparations.

### RECOMMENDED DOSAGE

SS-SUPER PAN RECOMMENDED DOSES OF APPLICATION			
CROP TYPE	CROP	FOLIAR APPLICATION	SOIL DRENCH IRRIGATION / DIPPING
Vegetables	Tomato, Pepper, Eggplant, Cucumber, Zucchini, Strawberry, Melon, Watermelon, Cabbage, Lettuce, Dill, Broccoli, Artichoke etc.	250-500 cc/100 L water	10 L/ha
Fruit Trees and Vineyard	Hard Cores (Cherry-Plum-Apricot etc.) Soft Cores (Apple-Pear etc.) Citrus (Orange-Lemon etc.) Hard Shell (Pistachio, Walnut-Hazelnut-Almond etc.), Olive, Pomegranate, Banana, Strawberry	250-500 cc/100 L water	10-20 L/ha
Field Crops	Cereals (wheat, barley, oats, paddy), Legumes (soybean, lentils, chickpeas), Cotton, Corn, Sunflower, Tobacco, Potato, Beet etc.	250-500 cc/100 L water	2-4 L/ha

\* For detailed information, please contact our technical team.

\* SEED COATING: Solution prepared with the required amount of SS-SUPER PAN according to the seed type and seed size is sprayed on the entire surface of the seeds and the coating process is performed. Dried seeds are ready for planting.





# SS-SUPER IRON

Microbial Biostimulant

PACKAGING			
● 1 L	● 5 L	● 10 L	● 20 L

GUARANTEED CONTENT	
Microorganisms	<i>Pseudomonas fluorescens</i> <i>Pseudomonas putida</i> <i>Pantoea agglomerans</i>
Total live microorganism count	1 x 10 <sup>7</sup> cfu/ml



### FUNCTIONS AND BENEFITS

- Facilitates iron intake by siderophore producing and calcium disintegrating bacteria
- Helps the recovery of iron deficient plant
- Creates stronger root system through amino acids and organic acids
- Facilitates the intake of the free nitrogen in the air by plants
- Contains phosphate solubilizing bacteria
- Rehabilitates the soil.
- Not to be used with bactericidal and copper-containing preparations.

### RECOMMENDED DOSAGE

SS-SUPER IRON RECOMMENDED DOSES OF APPLICATION		
CROP TYPE	CROP	SOIL DRENCH IRRIGATION / DIPPING
Vegetables	Tomato, Pepper, Eggplant, Cucumber, Zucchini, Strawberry, Melon, Watermelon, Cabbage, Lettuce, Dill, Broccoli, Artichoke etc.	10 L/ha
Fruit Trees and Vineyard	Hard Cores (Cherry-Plum-Apricot etc.) Soft Cores (Apple-Pear etc.) Citrus (Orange-Lemon etc.) Hard Shell (Pistachio, Walnut-Hazelnut-Almond etc.), Olive, Pomegranate, Banana, Strawberry	10-20 L/ha
Field Crops	Cereals (wheat, barley, oats, paddy), Legumes (soybean, lentils, chickpeas), Cotton, Corn, Sunflower, Tobacco, Potato, Beet etc.	2-4 L/ha

\* For detailed information, please contact our technical team.



# SS-SUPER GREEN

Microbial Biostimulant

PACKAGING			
● 1 L	● 5 L	● 10 L	● 20 L



GUARANTEED CONTENT	
Microorganisms	<i>Bacillus subtilis</i> SG-1 <i>Paenibacillus azotofixans</i> SG-2 <i>Bacillus pumilus</i> SG-3
Total live microorganism count	1 x 10 <sup>7</sup> cfu/ml

### FUNCTIONS AND BENEFITS

- Converts free nitrogen in the air into nitrate and ammonium forms usable by plants.
- Promotes solubility of phosphate in soil, thereby helps in enhancement of yield and product quality.
- Through organic acid, amino acid and hormone production, helps plant in developing a good root system.
- Beneficial and useful both in soil and on green components of plants.
- By reinforcing the systemic resistance mechanism of plants, it increases resistance of plants against negative environmental conditions.
- Not to be used with bactericidal and copper-containing preparations.

### RECOMMENDED DOSAGE

SS-SUPER GREEN RECOMMENDED DOSES OF APPLICATION			
CROP TYPE	CROP	FOLIAR APPLICATION	SOIL DRENCH IRRIGATION / DIPPING
Vegetables	Tomato, Pepper, Eggplant, Cucumber, Zucchini, Strawberry, Melon, Watermelon, Cabbage, Lettuce, Dill, Broccoli, Artichoke etc.	300-400 cc/100 L water	10 L/ha
Fruit Trees and Vineyard	Hard Cores (Cherry-Plum-Apricot etc.) Soft Cores (Apple-Pear etc.) Citrus (Orange-Lemon etc.) Hard Shell (Pistachio, Walnut-Hazelnut-Almond etc.), Olive, Pomegranate, Banana, Strawberry	400-500 cc/100 L water	10-20 L/ha
Field Crops	Cereals (wheat, barley, oats, paddy), Legumes (soybean, lentils, chickpeas), Cotton, Corn, Sunflower, Tobacco, Potato, Beet etc.	250-300 cc/100 L water	2-4 L/ha

\* For detailed information, please contact our technical team.

\* SEED COATING: The solution prepared with the required amount of SS-SUPER ROOT and SUPER GREEN products according to the seed type and seed size is sprayed on the entire surface of the seeds and the coating process is performed. Dried seeds become ready for planting.



# SS- STOMAFIX

Microbial Biostimulant

**PACKAGING**

● 1L ● 5 L ● 10 L ● 20 L

GUARANTEED CONTENT	
Microorganisms	<i>Bacillus subtilis</i>
Total live microorganism count	$1 \times 10^{10}$ cfu/ml
Amount of organic matter	30 %



### FUNCTIONS AND BENEFITS

- Prevents pathogen development by competing against most soil and leaf pathogens.
- Provides a positive balance of useful microorganisms on the leaf surface. Increases the content of chlorophyll and carotenoids by secondary metabolite activation.
- By producing organic acid or amino acid, it converts the free nitrogen in the air into nitrate and ammonium form that plants can utilize, increasing the uptake of plant nutrients in the soil, providing good vegetative development. Accordingly, the yield and quality of the product increase
- Not to be used with bactericidal and copper-containing preparations.

### RECOMMENDED DOSAGE

SS-STOMAFIX RECOMMENDED DOSES OF APPLICATION			
CROP TYPE	CROP	FOLIAR APPLICATION	SOIL DRENCH IRRIGATION / DIPPING
Vegetables	Tomato, Pepper, Eggplant, Cucumber, Zucchini, Strawberry, Melon, Watermelon, Cabbage, Lettuce, Dill, Broccoli, Artichoke etc.	300-400 cc/100 L water	10 L/ha
Fruit Trees and Vineyard	Hard Cores (Cherry-Plum-Apricot etc.) Soft Cores (Apple-Pear etc.) Citrus (Orange-Lemon etc.) Hard Shell (Pistachio, Walnut-Hazelnut-Almond etc.), Olive, Pomegranate, Banana, Strawberry	400-500 cc/100 L water	10-20 L/ha
Field Crops	Cereals (wheat, barley, oats, paddy), Legumes (soybean, lentils, chickpeas), Cotton, Corn, Sunflower, Tobacco, Potato, Beet etc.	250-300 cc/100 L water	2-4 L/ha

\* For detailed information, please contact our technical team.

# ENZYMATIC PRODUCTS





# ENZİMOL

Enzymatic Product

PACKAGING			
● 1L	● 5L	● 10L	● 20L

GUARANTEED CONTENT		% W/W
Names and activities of enzymes	<i>Alpha-Amylase Enzyme 70 U/ml</i>	
Total Organic Matter	% 10	
pH	4-6	



### FUNCTIONS AND BENEFITS

- Converts macro molecules into micro molecules, thus enabling the plant to make better use of these nutrients.
- Yield increase through saving of energy consumed by plant so as to produce enzyme in itself.
- Speeds up microorganism activities and biochemical reactions in soil to further enhance soil fertility, thus paving the way for an economic and useful fertilization.
- Amylases break down complex polysaccharides like starch into simpler forms of sugar or glucose that are readily absorbed by the plants and promote growth.
- Helps the plant in formation of a good root system.
- Not to be used with bactericidal and copper-containing preparations.

### RECOMMENDED DOSAGE

ENZİMOL® RECOMMENDED DOSES OF APPLICATION			
CROP TYPE	CROP	FOLIAR APPLICATION	SOIL DRENCH IRRIGATION / DIPPING
Vegetables	Tomato, Pepper, Eggplant, Cucumber, Zucchini, Strawberry, Melon, Watermelon, Cabbage, Lettuce, Dill, Broccoli, Artichoke etc.	250-500 cc/100 L water	10-20 L/ha
Fruit Trees and Vineyard	Hard Cores (Cherry-Plum-Apricot etc.) Soft Cores (Apple-Pear etc.) Citrus (Orange-Lemon etc.) Hard Shell (Pistachio, Walnut-Hazelnut-Almond etc.), Olive, Pomegranate, Banana, Strawberry	250-500 cc/100 L water	10-20 L/ha
Field Crops	Cereals (wheat, barley, oats, paddy), Legumes (soybean, lentils, chickpeas), Cotton, Corn, Sunflower, Tobacco, Potato, Beet etc.	200-250 cc / 100 L water	2-4 L/ha

\* For detailed information, please contact our technical team.



# FİTAZİM

Enzymatic Product

PACKAGING		
● 1L	● 5L	● 20L



GUARANTEED CONTENT	
Names and activities of enzymes	<i>Phytase Enzyme 0,27 FTU/g</i>
Total Organic Matter	% 10
pH	3.5 - 5.5

### FUNCTIONS AND BENEFITS

- Naturally produces phytase enzyme within the plant. Phytase converts phosphate in the plant into inorganic phosphorus in a form that plants can utilize.
- Phosphorus, one of the macro nutrients, is a vital element in the formation of generative organs and root development in plants. Phosphorus plays an important role in metabolic activities such as energy production and gene transfer.
- Provides an alive and strong flowering by increasing the flower attitude of the plant with its special organic additives during the flowering period just before forming the flower contours.
- Increases soil fertility by accelerating microorganism activities and biochemical reactions in the soil. Thus, since it facilitates the intake of macro and micro elements, provides a useful fertilization opportunity.
- Plants need a large amount of phosphorus before the flowering stage and during the seed formation stage. Provides a cost-efficient fertilization opportunity by reducing the amount of phosphorus fertilizer that needs to be applied.
- Not to be used with bactericidal and copper-containing preparations.

### RECOMMENDED DOSAGE

FİTAZİM RECOMMENDED DOSES OF APPLICATION			
CROP TYPE	CROP	FOLIAR APPLICATION	SOIL DRENCH IRRIGATION / DIPPING
Vegetables	Tomato, Pepper, Eggplant, Cucumber, Zucchini, Strawberry, Melon, Watermelon, Cabbage, Lettuce, Dill, Broccoli, Artichoke etc.	200-250 cc/100 L water	5-10 L/ha
Fruit Trees and Vineyard	Hard Cores (Cherry-Plum-Apricot etc.) Soft Cores (Apple-Pear etc.) Citrus (Orange-Lemon etc.) Hard Shell (Pistachio, Walnut-Hazelnut-Almond etc.), Olive, Pomegranate, Banana, Strawberry	200-250 cc/100 L water	10 L/ha
Field Crops	Cereals (wheat, barley, oats, paddy), Legumes (soybean, lentils, chickpeas), Cotton, Corn, Sunflower, Tobacco, Potato, Beet etc.	150-200 cc/100 L water	2-3 L/ha

\* For detailed information, please contact our technical team.



# SOIL SALINITY ALLEVIATORS ABIOTIC STRESS REDUCERS



## WORMBOMB

Liquid Vermicompost Fertilizer

### PACKAGING

● 1L ● 5L ● 10L ● 20L



GUARANTEED CONTENT	% W/W
Organic Matter	% 55
Organic Carbon	% 20
Humic+Fulvic Acids	% 25
Organic Nitrogen	% 1,5
Water Soluble K <sub>2</sub> O	% 3,3
Water Soluble P <sub>2</sub> O <sub>5</sub>	% 0,6
pH	7

### FUNCTIONS AND BENEFITS

- Contains a mixture of bacteria, yeast and fungi obtained from gut microbiota of earthworms via patented extraction method.
- Reduces the adverse effects of soil salinity by chelating and neutralizing the hydrogen sodium and chlorine elements in the organic carbon chain.
- Reduces abiotic and biotic stress of the plant.
- Increases soil fertility by increasing cation exchange capacity.
- Improves resistance to root diseases.
- Promotes nutrient uptake.
- Offers better root growth and development.
- Increases crop yield and crop quality.
- Rich in organic matter, organic carbon and humic-fulvic acids.

### RECOMMENDED DOSAGE

WORMBOMB® RECOMMENDED DOSES OF APPLICATION			
CROP TYPE	CROP	FOLIAR APPLICATION	SOIL DRENCH IRRIGATION / DIPPING
Vegetables	Tomato, Pepper, Eggplant, Cucumber, Zucchini, Strawberry, Melon, Watermelon, Cabbage, Lettuce, Dill, Broccoli, Artichoke etc.	250-500 cc/100 L water	10-20 L/ha
Fruit Trees and Vineyard	Hard Cores (Cherry-Plum-Apricot etc.) Soft Cores (Apple-Pear etc.) Citrus (Orange-Lemon etc.) Hard Shell (Pistachio, Walnut-Hazelnut-Almond etc.), Olive, Pomegranate, Banana, Strawberry	250-500 cc/100 L water	10-30 L/ha
Field Crops	Cereals (wheat, barley, oats, paddy), Legumes (soybean, lentils, chickpeas), Cotton, Corn, Sunflower, Tobacco, Potato, Beet etc.	200-300 cc / 100 L water	4-6 L/ha

\* For detailed information, please contact our technical team.





## PURISOL

Vegetal Origin Organic Liquid

### PACKAGING

● 1L ● 5L ● 10L ● 20L

GUARANTEED CONTENT	% W/W
Organic Matter	% 53
Organic Carbon	% 31
Total N	% 1,2
Water Soluble K <sub>2</sub> O	% 3,3
pH	4-6



### FUNCTIONS AND BENEFITS

- Contains a mixture of bacteria, yeast and fungi obtained from gut microbiota of earthworms via patented extraction method.
- Reduces the adverse effects of soil salinity by chelating and neutralizing the hydrogen sodium and chlorine elements in the organic carbon chain.
- Reduces abiotic and biotic stress of the plant
- Increases soil fertility by increasing cation exchange capacity.
- Improves resistance to root diseases
- Promotes nutrient uptake
- Offers better root growth and development
- Increases crop yield and crop quality
- Rich in organic matter, organic carbon and humic-fulvic acids

### RECOMMENDED DOSAGE

PURISOL RECOMMENDED DOSES OF APPLICATION		
CROP TYPE	CROP	SOIL DRENCH IRRIGATION / DIPPING
Vegetables	Tomato, Pepper, Eggplant, Cucumber, Zucchini, Strawberry, Melon, Watermelon, Cabbage, Lettuce, Dill, Broccoli, Artichoke etc.	20-30 L/ha
Fruit Trees and Vineyard	Hard Cores (Cherry-Plum-Apricot etc.) Soft Cores (Apple-Pear etc.) Citrus (Orange-Lemon etc.) Hard Shell (Pistachio, Walnut-Hazelnut-Almond etc.), Olive, Pomegranate, Banana, Strawberry	20-30 L/ha
Field Crops	Cereals (wheat, barley, oats, paddy), Legumes (soybean, lentils, chickpeas), Cotton, Corn, Sunflower, Tobacco, Potato, Beet etc.	10-20 L/ha

\* For detailed information, please contact our technical team.



## OSMOS

Vegetal And Animal Origin Organic Liquid

### PACKAGING

● 1L ● 5L ● 10L ● 20L



GUARANTEED CONTENT	% W/W
Organic Matter	% 40
Organic Carbon	% 18
Total N	% 1
Water Soluble K <sub>2</sub> O	% 1
Maximum EC (dS/m)	% 6
pH	7-9

### FUNCTIONS AND BENEFITS

- Contains a mixture of bacteria, yeast and fungi obtained from gut microbiota of earthworms via patented extraction method, enriched with ascophillium nodosum algae extract.
- Reduces the adverse effects of soil salinity by chelating and neutralizing the hydrogen sodium and chlorine elements in the organic carbon chain.
- Reduces abiotic and biotic stress of the plant
- Increases soil fertility by increasing cation exchange capacity.
- Improves resistance to root diseases
- Promotes nutrient uptake
- Offers better root growth and development
- Increases crop yield and crop quality
- Rich in organic matter, organic carbon and humic-fulvic acids

### RECOMMENDED DOSAGE

OSMOS RECOMMENDED DOSES OF APPLICATION			
CROP TYPE	CROP	FOLIAR APPLICATION	SOIL DRENCH IRRIGATION / DIPPING
Vegetables	Tomato, Pepper, Eggplant, Cucumber, Zucchini, Strawberry, Melon, Watermelon, Cabbage, Lettuce, Dill, Broccoli, Artichoke etc.	400 cc/100 L water	20-30 L/ha
Fruit Trees and Vineyard	Hard Cores (Cherry-Plum-Apricot etc.) Soft Cores (Apple-Pear etc.) Citrus (Orange-Lemon etc.) Hard Shell (Pistachio, Walnut-Hazelnut-Almond etc.), Olive, Pomegranate, Banana, Strawberry	400 cc/100 L water	20-30 L/ha
Field Crops	Cereals (wheat, barley, oats, paddy), Legumes (soybean, lentils, chickpeas), Cotton, Corn, Sunflower, Tobacco, Potato, Beet etc.	500-600 cc/100 L water	10-20 L/ha

\* For detailed information, please contact our technical team.



# PLANT NUTRITION PRODUCTS

## SUPER YEŞİL

Vegetal Origin Liquid Organic Fertilizer Containing Amino Acids

### PACKAGING

● 1 L ● 5 L ● 10 L ● 20 L



GUARANTEED CONTENT	% W/W
Organic Matter	% 45
Organic Carbon	% 24
Organic Nitrogen	% 5
Water Soluble K <sub>2</sub> O	% 2,5
Free Amino Acids	% 10
pH	6-8

### FUNCTIONS AND BENEFITS

- Provides faster growth through the constituent amino acids and nitrogen
- Offers better absorption rate of the nutrients
- Improves crop quality, shape and color

### RECOMMENDED DOSAGE

SUPER YEŞİL RECOMMENDED DOSES OF APPLICATION			
CROP TYPE	CROP	FOLIAR APPLICATION	SOIL DRENCH IRRIGATION / DIPPING
Vegetables	Tomato, Pepper, Eggplant, Cucumber, Zucchini, Strawberry, Melon, Watermelon, Cabbage, Lettuce, Dill, Broccoli, Artichoke etc.	250-500 cc/100 L water	10-20 L/ha
Fruit Trees and Vineyard	Hard Cores (Cherry-Plum-Apricot etc.) Soft Cores (Apple-Pear etc.) Citrus (Orange-Lemon etc.) Hard Shell (Pistachio, Walnut-Hazelnut-Almond etc.), Olive, Pomegranate, Banana, Strawberry	250-500 cc/100 L water	10-30 L/ha
Field Crops	Cereals (wheat, barley, oats, paddy), Legumes (soybean, lentils, chickpeas), Cotton, Corn, Sunflower, Tobacco, Potato, Beet etc.	200-250 cc / 100 L water	4-6 L/ha

\* For detailed information, please contact our technical team.





## DENGE

Vegetal Origin Liquid Organic Fertilizer Containing Amino Acids

### PACKAGING

● 1L ● 5L ● 10L ● 20L



GUARANTEED CONTENT	% W/W
Organic Matter	% 40
Organic Carbon	% 22
Organic Nitrogen	% 4
Water Soluble K <sub>2</sub> O	% 4
Water Soluble P <sub>2</sub> O <sub>5</sub>	% 4
Free Amino Acids	% 6
pH	6-8

### FUNCTIONS AND BENEFITS

- Provides faster growth through amino acids and nitrogen
- Enriched with ascophillium nodosum algae extract.
- Offers better absorption rate of the nutrients
- Provokes flowering and earliness
- Improves the yield and the quality of the crop

### RECOMMENDED DOSAGE

DENGE RECOMMENDED DOSES OF APPLICATION			
CROP TYPE	CROP	FOLIAR APPLICATION	SOIL DRENCH IRRIGATION / DIPPING
Vegetables	Tomato, Pepper, Eggplant, Cucumber, Zucchini, Strawberry, Melon, Watermelon, Cabbage, Lettuce, Dill, Broccoli, Artichoke etc.	250-500 cc/100 L water	10-20 L/ha
Fruit Trees and Vineyard	Hard Cores (Cherry-Plum-Apricot etc.) Soft Cores (Apple-Pear etc.) Citrus (Orange-Lemon etc.) Hard Shell (Pistachio, Walnut-Hazelnut-Almond etc.), Olive, Pomegranate, Banana, Strawberry	250-500 cc/100 L water	10-30 L/ha
Field Crops	Cereals (wheat, barley, oats, paddy), Legumes (soybean, lentils, chickpeas), Cotton, Corn, Sunflower, Tobacco, Potato, Beet etc.	200-250 cc / 100 L water	4-6 L/ha

\* For detailed information, please contact our technical team.



## BEREKET

Vegetal Origin Liquid Organic Fertilizer Containing Amino Acid

### PACKAGING

● 1L ● 5L ● 10L ● 20L



GUARANTEED CONTENT	% W/W
Organic Matter	% 40
Organic Carbon	% 21
Organic Nitrogen	% 3
Water Soluble K <sub>2</sub> O	% 6
Free Amino Acids	% 9
pH	6-8

### FUNCTIONS AND BENEFITS

- Promotes fruitset
- Helps maturation of the crops
- Boosts efficiency
- Improves the color, aroma and the taste of the products
- Extends the shelf-life and storage period of the harvested product

### RECOMMENDED DOSAGE

BEREKET RECOMMENDED DOSES OF APPLICATION			
CROP TYPE	CROP	FOLIAR APPLICATION	SOIL DRENCH IRRIGATION / DIPPING
Vegetables	Tomato, Pepper, Eggplant, Cucumber, Zucchini, Strawberry, Melon, Watermelon, Cabbage, Lettuce, Dill, Broccoli, Artichoke etc.	250-500 cc/100 L water	10-20 L/ha
Fruit Trees and Vineyard	Hard Cores (Cherry-Plum-Apricot etc.) Soft Cores (Apple-Pear etc.) Citrus (Orange-Lemon etc.) Hard Shell (Pistachio, Walnut-Hazelnut-Almond etc.), Olive, Pomegranate, Banana, Strawberry	250-500 cc/100 L water	10-30 L/ha
Field Crops	Cereals (wheat, barley, oats, paddy), Legumes (soybean, lentils, chickpeas), Cotton, Corn, Sunflower, Tobacco, Potato, Beet etc.	200-250 cc / 100 L water	4-6 L/ha

\* For detailed information, please contact our technical team.





## METAPOWER

Vegetal Origin Liquid Organic Fertilizer

### PACKAGING

● 1L ● 5L ● 10L ● 20L

GUARANTEED CONTENT	% W/W
Organic Matter	% 40
Organic Carbon (C)	% 15
Total Nitrogen (N)	% 2
Alginic Acid	% 0,2
Water Soluble K <sub>2</sub> O	% 4,5
pH	5-7



### FUNCTIONS AND BENEFITS

- With the primary and secondary metabolites content, supports plant growth.
- Boosts the immune mechanism of the plant and provides resistance against diseases.
- Allows the microorganism activities with high organic matter content.
- Facilitates the uptake of macro and micro elements by regulating the pH value of the soil.
- Reduces the stress of plants against adverse environmental conditions.
- Supports the soil colloidal system and creates the balance of air and water in the soil.
- Increases yield and quality at harvest with healthy and intense root development.

### RECOMMENDED DOSAGE

METAPOWER RECOMMENDED DOSES OF APPLICATION			
CROP TYPE	CROP	FOLIAR APPLICATION	SOIL DRENCH IRRIGATION / DIPPING
Vegetables	Tomato, Pepper, Eggplant, Cucumber, Zucchini, Strawberry, Melon, Watermelon, Cabbage, Lettuce, Dill, Broccoli, Artichoke etc.	150-200 cc/100 L water	10-20 L/ha
Fruit Trees and Vineyard	Hard Cores (Cherry-Plum-Apricot etc.) Soft Cores (Apple-Pear etc.) Citrus (Orange-Lemon etc.) Hard Shell (Pistachio, Walnut-Hazelnut-Almond etc.), Olive, Pomegranate, Banana, Strawberry	150-200 cc/100 L water	20-30 L/ha
Field Crops	Cereals (wheat, barley, oats, paddy), Legumes (soybean, lentils, chickpeas), Cotton, Corn, Sunflower, Tobacco, Potato, Beet etc.	100-150 cc/100 L water	5-10 L/ha

\* For detailed information, please contact our technical team.



## SS-HUMICS

Mixed Liquid Soil Conditioner Fertilizer

### PACKAGING

● 1L ● 5L ● 10L ● 20L

GUARANTEED CONTENT	% W/W
Organic Matter	% 45
Humic+Fulvic Acid	% 20
Total Nitrogen (N)	% 2
Water Soluble K <sub>2</sub> O	% 5
pH	6-8



### FUNCTIONS AND BENEFITS

- Provides the physical, biological and chemical balance and increases the organic matter content in the soil.
- Enables the capillary roots to develop easily.
- Prevents salinization by forming humophosphates.
- Regulates ion exchange capacity and pH balance.
- Promotes reproduction of beneficial microorganisms.
- Increases yield and quality of the product.
- Increases the water holding capacity and resistance to drought.
- Provides air and water circulation.

### RECOMMENDED DOSAGE

SS-HUMIC RECOMMENDED DOSES OF APPLICATION			
CROP TYPE	CROP	FOLIAR APPLICATION	SOIL DRENCH IRRIGATION / DIPPING
Vegetables	Tomato, Pepper, Eggplant, Cucumber, Zucchini, Strawberry, Melon, Watermelon, Cabbage, Lettuce, Dill, Broccoli, Artichoke etc.	150-200 cc/100 L water	10-20 L/ha
Fruit Trees and Vineyard	Hard Cores (Cherry-Plum-Apricot etc.) Soft Cores (Apple-Pear etc.) Citrus (Orange-Lemon etc.) Hard Shell (Pistachio, Walnut-Hazelnut-Almond etc.), Olive, Pomegranate, Banana, Strawberry	150-200 cc/100 L water	20-30 L/ha
Field Crops	Cereals (wheat, barley, oats, paddy), Legumes (soybean, lentils, chickpeas), Cotton, Corn, Sunflower, Tobacco, Potato, Beet etc.	100-150 cc/100 L water	5-10 L/ha

\* For detailed information, please contact our technical team.





## RELİVİT

Plant Extract Origin Liquid Fulvic Acid

### PACKAGING

● 1 L

GUARANTEED CONTENT	% W/W
Organic Matter	% 33
Humic + Fulvic Acid	% 12
Fulvic Acid	% 12
Water Soluble K <sub>2</sub> O	% 0,1
pH	4-6



### FUNCTIONS AND BENEFITS

- Organic foliar fertilizer made of vegetal sources. It is rapidly absorbed by plants.
- Through botanical extract obtained from six different plants and Azadirachtin in its content, supports the plants to develop healthily.
- Encourages chlorophyll formation and photosynthesis while increasing protein synthesis.
- Elevates the vitamin and mineral levels of plants.
- Robust plants with improved immunity therefore become more resilient to diseases and pests.
- Helps plants to improve resistance to the cold, hot and other physical conditions.
- Contains vegetal extracts with repellent effect to insects and pests

### RECOMMENDED DOSAGE

RELIVIT RECOMMENDED DOSES OF APPLICATION		
CROP TYPE	CROP	FOLIAR APPLICATION
Vegetables	Tomato, Pepper, Eggplant, Cucumber, Zucchini, Strawberry, Melon, Watermelon, Cabbage, Lettuce, Dill, Broccoli, Artichoke etc.	500-800 cc/100 L water
Fruit Trees and Vineyard	Hard Cores (Cherry-Plum-Apricot etc.) Soft Cores (Apple-Pear etc.) Citrus (Orange-Lemon etc.) Hard Shell (Pistachio, Walnut-Hazelnut-Almond etc.), Olive, Pomegranate, Banana, Strawberry	500-800 cc/100 L water

\* For detailed information, please contact our technical team.



## PELET

Soil Amendment

### PACKAGING

● 25 KG

GUARANTEED CONTENT	% W/W
Organic Matter	% 40,0
Organic Carbon	% 18
Humic + Fulvic Acid	% 25,7
Organic Nitrogen	% 1,3
Water Soluble P <sub>2</sub> O <sub>5</sub>	% 0,5
Water Soluble K <sub>2</sub> O	% 0,4
pH	6-8



### FUNCTIONS AND BENEFITS

- Contains leonardite, vermicompost, and amino acid mixture plus PGPB bacteria.
- Increases the vegetative growth of plants and enables the soil back to its natural balance.
- Effective solution in inefficient soils.
- Provides yield and quality increase in plant.
- Increases the amount of organic matter in the soil.
- Provides a healthy root system in plant thus increases both uptake of plant nutrients and resistance of the plant against diseases.

### RECOMMENDED DOSAGE

PELET RECOMMENDED DOSES OF APPLICATION		
CROP TYPE	CROP	SOIL APPLICATION
Vegetables	Tomato, Pepper, Eggplant, Cucumber, Zucchini, Strawberry, Melon, Watermelon, Cabbage, Lettuce, Dill, Broccoli, Artichoke etc.	750-1000 Kg/ha
Fruit Trees and Vineyard	Hard Cores (Cherry-Plum-Apricot etc.) Soft Cores (Apple-Pear etc.) Citrus (Orange-Lemon etc.) Hard Shell (Pistachio, Walnut-Hazelnut-Almond etc.), Olive, Pomegranate, Banana, Strawberry	Each tree per Annual Growth 100-200 Gr.
Field Crops	Cereals (wheat, barley, oats, paddy), Legumes (soybean, lentils, chickpeas), Cotton, Corn, Sunflower, Tobacco, Potato, Beet etc.	400-500 Kg/ha
Tropical Fruits	Banana, Avocado, Pitaya, Tropical Passiflora etc.	1-2 Kg / Tree





## COMPACT

Vegetal Origin Solid Organic Fertilizer

### PACKAGING

● 25 KG



GUARANTEED CONTENT	% W/W
Organic Matter	% 40
Organic Carbon	% 20
Total Nitrogen (N)	% 1,5
Water Soluble K <sub>2</sub> O	% 2
Maximum Moisture	% 20
pH	6-8

#### FUNCTIONS AND BENEFITS

- Vegetal based solid organic fertilizer.
- Provides more effective uptake of macro and micro elements and rehabilitation of soils that have lost their productivity.
- Plays a role in increasing the water holding capacity of soil and resistance of plants against diseases.
- Positively affects root development and improves the quality of fruits and vegetables.

#### RECOMMENDED DOSAGE

COMPACT RECOMMENDED DOSES OF APPLICATION		
CROP TYPE	CROP	FOLIAR APPLICATION
Vegetables	Tomato, Pepper, Eggplant, Cucumber, Zucchini, Strawberry, Melon, Watermelon, Cabbage, Lettuce, Dill, Broccoli, Artichoke etc.	1500-2000 kg/ha (greenhouse), 1000-1200 kg/ha (field)
Fruit Trees	Hard Cores (Cherry-Plum-Apricot etc.) Soft Cores (Apple-Pear etc.) Citrus (Orange-Lemon etc.) Hard Shell (Pistachio, Walnut-Hazelnut-Almond etc.), Olive, Pomegranate, Banana, Strawberry	8-10 kg/tree or 4000-5000 kg/ha
Field Crops	Cereals (wheat, barley, oats, paddy), Legumes (soybean, lentils, chickpeas), Cotton, Corn, Sunflower, Tobacco, Potato, Beet etc.	2000-3000 kg/ha
Citrus	Orange, Lemon, Mandarin etc.	8-10 kg/tree or 4000-5000 kg/ha
Tropical Fruits	Banana, Avocado, Pitaya, Tropical Passiflora etc.	2-3 kg/tree or 3000-4000 kg/ha

\* For detailed information, please contact our technical team.



## MULTISOL 7-3-5

Mixed Soil Conditioner Fertilizer

### PACKAGING

● 25 KG



GUARANTEED CONTENT	% W/W
Organic Matter	% 50
Humic + Fulvic Acid	% 21
Total Nitrogen (N)	% 7
Total P <sub>2</sub> O <sub>5</sub>	% 3
Water Soluble K <sub>2</sub> O	% 5
Maximum Moisture	% 20
pH	3-5

#### FUNCTIONS AND BENEFITS

- Eliminates the lack of organic matter in the soil with high organic matter content.
- Increases the beneficial microorganism activity in the soil through its special mixture.
- Supports the more efficient development of the plant.
- Increasing the water holding capacity and aeration of the soil.
- With organic structure, makes plants more resistant to negative external factors.
- With high content of humic + fulvic acid, accelerates the uptake of bound nutrients in the soil.
- Provides earliness and increase in yield.

#### RECOMMENDED DOSAGE

MULTISOL 7-3-5 RECOMMENDED DOSES OF APPLICATION		
CROP TYPE	CROP	SOIL DRENCH IRRIGATION/DIPPING
Vegetables	Tomato, Pepper, Eggplant, Cucumber, Zucchini, Strawberry, Melon, Watermelon, Cabbage, Lettuce, Dill, Broccoli, Artichoke etc.	500-750 kg/ha
Fruit Trees and Vineyard	Hard Cores (Cherry-Plum-Apricot etc.) Soft Cores (Apple-Pear etc.) Citrus (Orange-Lemon etc.) Hard Shell (Pistachio, Walnut-Hazelnut-Almond etc.), Olive, Pomegranate, Banana, Strawberry	200-300 gr / per tree age in planting 1 kg/per pit
Field Crops	Cereals (wheat, barley, oats, paddy), Legumes (soybean, lentils, chickpeas), Cotton, Corn, Sunflower, Tobacco, Potato, Beet etc.	250-500 kg/ha
Hazelnut	-	1-2 kg / per tree root
Tea	-	1500-2000 kg/ha

\* For detailed information, please contact our technical team.





## SUPERLEO

Leonardite

### PACKAGING

● 25 KG



**Biomel**

GUARANTEED CONTENT	% W/W
Organic Matter	% 40
Humic + Fulvic Acid	% 40
Maximum Moisture	% 35
pH	4-6

#### FUNCTIONS AND BENEFITS

- Increases the plant's intake of nitrogen, phosphorus, potassium, iron, zinc and trace elements.
- Positively affects microorganism activity and enzyme activation.
- Increases the resistance against adverse environmental conditions.
- Physically improves the structure and texture of the soil.
- Enables the plant rooting more easily and prevents salt accumulation.
- Prevents toxicity in the soil, regulates the water holding capacity and increases the ion exchange capacity.
- Facilitates the nutrient uptake of plant roots thus increases nutrient absorption.

#### RECOMMENDED DOSAGE

SUPERLEO RECOMMENDED DOSES OF APPLICATION		
CROP TYPE	CROP	SOIL DRENCH IRRIGATION / DIPPING
Vegetables	Tomato, Pepper, Eggplant, Cucumber, Zucchini, Strawberry, Melon, Watermelon, Cabbage, Lettuce, Dill, Broccoli, Artichoke etc.	2000-2500 Kg/ha
Fruit Trees and Vineyard	Hard Cores (Cherry-Plum-Apricot etc.) Soft Cores (Apple-Pear etc.) Citrus (Orange-Lemon etc.) Hard Shell (Pistachio, Walnut-Hazelnut-Almond etc.), Olive, Pomegranate, Banana, Strawberry	2500-3000 Kg/ha
Field Crops	Cereals (wheat, barley, oats, paddy), Legumes (soybean, lentils, chickpeas), Cotton, Corn, Sunflower, Tobacco, Potato, Beet etc.	1500-2000 Kg/ha

\* For detailed information, please contact our technical team.



## ZELEON

Zeolit + Leonardite

### PACKAGING

● 25 KG



**YERLİ ÜRETİM**  
**Biomel**

GUARANTEED CONTENT	% W/W
Organic Matter	% 20
Humic + Fulvic Acid	% 15
pH	6-8

#### FUNCTIONS AND BENEFITS

- Zeleon improves soil structure by increasing water holding capacity and aeration.
- It prevents plants from being negatively affected by drought thanks to its mineral content and provides a more suitable environment for plant root development.
- It also helps plants to better absorb nutrients by retaining nutrients in the soil. It is a natural product that contributes to sustainable agriculture by increasing microbial activity.
- Zeolite and leonardite improve the physical, chemical, and biotic properties of the soil, which allows plants to develop better. This also increases productivity.

#### RECOMMENDED DOSAGE

ZELEON RECOMMENDED DOSES OF APPLICATION		
CROP TYPE	CROP	SOIL DRENCH IRRIGATION / DIPPING
Vegetables	Tomato, Pepper, Eggplant, Cucumber, Zucchini, Strawberry, Melon, Watermelon, Cabbage, Lettuce, Dill, Broccoli, Artichoke etc.	75-100 kg / ha
Fruit Trees and Vineyard	Hard Cores (Cherry-Plum-Apricot etc.) Soft Cores (Apple-Pear etc.) Citrus (Orange-Lemon etc.) Hard Shell (Pistachio, Walnut-Hazelnut-Almond etc.), Olive, Pomegranate, Banana, Strawberry	Per tree root 200-300 gr
Field Crops	Cereals (wheat, barley, oats, paddy), Legumes (soybean, lentils, chickpeas), Cotton, Corn, Sunflower, Tobacco, Potato, Beet etc.	50-75 kg / ha
Tropical Fruits	Banana, Avocado, Pitaya, Tropical Passiflora etc.	75-100 kg / ha
Olive, Grape	-	2-3 kg / Trees and Shrubs

\* For detailed information, please contact our technical team.





# TRACE ELEMENTS



## SS HERKUL

(Soluble Powder)

### PACKAGING

● 1 KG ● 5 KG

### EC FERTILIZER

Boron (B), Copper (Cu-Sulfate), Iron (Fe-Sulfate), Manganese (Mn-Sulfate), Molybdenum (Mo) and Zinc (Zn-Sulfate)

### MIXTURE OF MICRONUTRIENTS

GUARANTEED CONTENT	% W/W
Water Soluble Boron (B)	% 1,5
Water Soluble Copper (Cu) Chelated with EDTA	% 0,6
Water Soluble Iron (Fe) Chelated with EDTA	% 4
Water Soluble Manganese (Mn) Chelated with EDTA	% 3
Water Soluble Molybdenum (Mo)	% 0,05
Water Soluble Zinc (Zn) Chelated with EDTA	% 4

### FUNCTIONS AND BENEFITS

- Provides excellent absorption of micro elements through its extraordinary formulation.
- Formed by special blending of boron, copper, iron, manganese, molybdenum and zinc trace elements. What makes this product important is that it has a high EDTA chelated structure.
- Has a special carrier structure that facilitates the transition from leaf surface into the plant and increases absorption at the cellular level with vascular tissue change.
- Prevents plant nutrient deficiencies, corrects problems caused by deficiencies and eliminates yellowing. It is an effective product for removing iron deficiency, especially in plants grown in alkaline and pH-high soils.
- Can mix with most plant protection products.

### RECOMMENDED DOSAGE

#### SS-HERKUL RECOMMENDED DOSES OF APPLICATION

CROP TYPE	CROP	FOLIAR APPLICATION	SOIL DRENCH IRRIGATION / DIPPING
Vegetables	Tomato, Pepper, Eggplant, Cucumber, Zucchini, Strawberry, Melon, Watermelon, Cabbage, Lettuce, Dill, Broccoli, Artichoke etc.	100-150 gr/100 L water	2,5-5 kg/ha
Fruit Trees and Vineyard	Hard Cores (Cherry-Plum-Apricot etc.) Soft Cores (Apple-Pear etc.) Citrus (Orange-Lemon etc.) Hard Shell (Pistachio, Walnut-Hazelnut-Almond etc.), Olive, Pomegranate, Banana, Strawberry	100-150 gr/100 L water	5-10 kg/ha
Field Crops	Cereals (wheat, barley, oats, paddy), Legumes (soybean, lentils, chickpeas), Cotton, Corn, Sunflower, Tobacco, Potato, Beet etc.	75-100 gr/100 L water	2,5-5 kg/ha

\* For detailed information, please contact our technical team.





# FERTISOL

(Soluble Powder)

### PACKAGING

- 1 KG
- 5 KG

**EC FERTILIZER**  
 NK FERTILIZED BLENDED  
**FERTISOL 15.0.5+(5MgO)+ME**

GUARANTEED CONTENT	% W/W
Total Nitrogen (N)	% 15
Urea Nitrogen (N)	% 15
Water Soluble Potassium Oxide (K <sub>2</sub> O)	% 5
Water Soluble Magnesium Oxide (MgO)	% 5
Water Soluble Boron (B)	% 0,02
Water Soluble Iron (Fe)	% 4
Water Soluble Manganese (Mn)	% 4
Water Soluble Molybdenum (Mo)	% 0,2
Water Soluble Zinc (Zn)	% 4

### FUNCTIONS AND BENEFITS

- 100% water-soluble microcrystalline product.
- Directed to the needs of each plant through its macro-micro elements. Contains low urea, provides nitrate synthesis.
- FERTISOL content is especially formulated to quickly absorb nitrogen, potassium, magnesium and trace elements to the plant. Fast results are obtained with foliar applications.
- Since FERTISOL promotes photosynthesis activities, besides the development of shoots and flowers, it is very effective in fertilization through its special formulation.
- Provides hormonal balance.

### RECOMMENDED DOSAGE

FERTISOL RECOMMENDED DOSES OF APPLICATION			
CROP TYPE	CROP	FOLIAR APPLICATION	SOIL DRENCH IRRIGATION / DIPPING
Vegetables	Tomato, Pepper, Eggplant, Cucumber, Zucchini, Strawberry, Melon, Watermelon, Cabbage, Lettuce, Dill, Broccoli, Artichoke etc.	100-150 gr/100 L water	2,5-5 kg/ha
Fruit Trees and Vineyard	Hard Cores (Cherry-Plum-Apricot etc.) Soft Cores (Apple-Pear etc.) Citrus (Orange-Lemon etc.) Hard Shell (Pistachio, Walnut-Hazelnut-Almond etc.), Olive, Pomegranate, Banana, Strawberry	100-150 gr/100 L water	5-10 kg/ha
Field Crops	Cereals (wheat, barley, oats, paddy), Legumes (soybean, lentils, chickpeas), Cotton, Corn, Sunflower, Tobacco, Potato, Beet etc.	75-100 gr/100 L water	2,5-5 kg/ha

\* For detailed information, please contact our technical team.



# SS MICRO TRACE

(Soluble Powder)

### PACKAGING

- 1 KG
- 5 KG

**EC FERTILIZER**  
 Boron (B), Copper (Cu-Sulfate),  
 Iron (Fe-Sulfate), Manganese (Mn-Sulfate),  
 Molybdenum (Mo) and Zinc (Zn-Sulfate)  
**MIXTURE OF MICRONUTRIENTS**

GUARANTEED CONTENT	% W/W
Water Soluble Boron (B)	% 0,2
Water Soluble Copper (Cu)	% 0,5
Water Soluble Iron (Fe)	% 3
Water Soluble Manganese (Mn)	% 0,5
Water Soluble Molybdenum (Mo)	% 0,02
Water Soluble Zinc (Zn)	2

### FUNCTIONS AND BENEFITS

- Thanks to our special production methods, that can be taken by plants.
- Essential for healthy plant growth and development. Through its specially blended and chelated micro elements, it plays a role in various metabolism activities of the plant.
- Due to various factors in the soil, SS MICRO TRACE can be applied to the plant both from Foliar and from the soil with the correct combination to eliminate the lack of micro elements that may be unavailable to the plant.
- Corrects the deficiencies seen as a result of deficiency and eliminates yellowing. It increases efficiency and quality.

### RECOMMENDED DOSAGE

SS MICRO TRACE RECOMMENDED DOSES OF APPLICATION			
CROP TYPE	CROP	FOLIAR APPLICATION	SOIL DRENCH IRRIGATION / DIPPING
Vegetables	Tomato, Pepper, Eggplant, Cucumber, Zucchini, Strawberry, Melon, Watermelon, Cabbage, Lettuce, Dill, Broccoli, Artichoke etc.	200-250 gr/100 L water	5-10 Kg/ha
Fruit Trees and Vineyard	Hard Cores (Cherry-Plum-Apricot etc.) Soft Cores (Apple-Pear etc.) Citrus (Orange-Lemon etc.) Hard Shell (Pistachio, Walnut-Hazelnut-Almond etc.), Olive, Pomegranate, Banana, Strawberry	200-250 gr/100 L water	5-10 Kg/ha
Field Crops	Cereals (wheat, barley, oats, paddy), Legumes (soybean, lentils, chickpeas), Cotton, Corn, Sunflower, Tobacco, Potato, Beet etc.	150-200 gr/100 L water	3-5 Kg/ha

\* For detailed information, please contact our technical team.





## SS ZINC

(Liquid)

### PACKAGING

● 1L ● 5L ● 10L ● 20L

**EC FERTILIZER**  
ZINC FERTILIZER SOLUTION  
(Zinc Sulfate Content)

GUARANTEED CONTENT	% W/W
Water Soluble Zinc (Zn)	% 8

#### FUNCTIONS AND BENEFITS

- Helps cells grow and seeds germinate.
- Effective in carrying carbohydrates and using sugar.
- Decreases the sugar to the roots and increases the rhizosphere volume.
- Takes part in the water uptake. Improves the antioxidative defense system in the plant.
- SS ZINC activates tryptophan, therefore growth hormone is activated (Auxin).
- When Zn deficiency is seen in plants, SS ZINC gives maximum results when applied with ENZIMOL from soil or leaves.

#### RECOMMENDED DOSAGE

SS ZINC RECOMMENDED DOSES OF APPLICATION			
CROP TYPE	CROP	FOLIAR APPLICATION	SOIL DRENCH IRRIGATION / DIPPING
Vegetables	Tomato, Pepper, Eggplant, Cucumber, Zucchini, Strawberry, Melon, Watermelon, Cabbage, Lettuce, Dill, Broccoli, Artichoke etc.	200-250 cc/100 L water	15-20 L/ha
Fruit Trees and Vineyard	Hard Cores (Cherry-Plum-Apricot etc.) Soft Cores (Apple-Pear etc.) Citrus (Orange-Lemon etc.) Hard Shell (Pistachio, Walnut-Hazelnut-Almond etc.), Olive, Pomegranate, Banana, Strawberry	200-250 cc/100 L water	15-20 L/ha
Field Crops	Cereals (wheat, barley, oats, paddy), Legumes (soybean, lentils, chickpeas), Cotton, Corn, Sunflower, Tobacco, Potato, Beet etc.	100-150 cc/100 L water	5-10 L/ha

\* For detailed information, please contact our technical team.



## SS BORON

(Liquid)

### PACKAGING

● 1L ● 5L ● 10L ● 20L

**EC FERTILIZER**  
BORON ETANOL AMINE

GUARANTEED CONTENT	% W/W
Water Soluble Boron (B)	% 8

#### FUNCTIONS AND BENEFITS

- It provides continuous division into the meristem.
- It is the food source of the kernel. It provides cell division.
- Necessary for healthy pollen formation and hormone synthesis.
- Effects the flower and fruit attitude.
- Promotes the hormone auxin and cytokinin.
- Takes part in protein formation and transportation in plants.
- Helps transport and replace calcium.

#### RECOMMENDED DOSAGE

SS BORON RECOMMENDED DOSES OF APPLICATION			
CROP TYPE	CROP	FOLIAR APPLICATION	SOIL DRENCH IRRIGATION / DIPPING
Vegetables	Tomato, Pepper, Eggplant, Cucumber, Zucchini, Strawberry, Melon, Watermelon, Cabbage, Lettuce, Dill, Broccoli, Artichoke etc.	100 cc/100 L water	2-2,5 L/ha
Fruit Trees and Vineyard	Hard Cores (Cherry-Plum-Apricot etc.) Soft Cores (Apple-Pear etc.) Citrus (Orange-Lemon etc.) Hard Shell (Pistachio, Walnut-Hazelnut-Almond etc.), Olive, Pomegranate, Banana, Strawberry	100 cc/100 L water	2-2,5 L/ha
Field Crops	Cereals (wheat, barley, oats, paddy), Legumes (soybean, lentils, chickpeas), Cotton, Corn, Sunflower, Tobacco, Potato, Beet etc.	75-100 cc/100 L water	1,5-2 L/ha

\* For detailed information, please contact our technical team.





## SS MAN 10

(Liquid)

### PACKAGING

● 1L ● 5L ● 10L ● 20L

**EC FERTILIZER**  
MANGANESE FERTILIZER SOLUTION  
(Mangan Sulfate Content)

GUARANTEED CONTENT	% W/W
Water Soluble Manganese (Mn)	% 10

#### FUNCTIONS AND BENEFITS

- Helps chlorophyll formation. Increases photosynthesis activity.
- Acts as a catalyst in enzymatic and physiological events in plants.
- Takes part in the breakdown of carbohydrates and respiratory events.
- The properties should be applied from the foliar to remove Mn. deficiency in the plant in soils with high pH and lime content.
- Effective product used to remove color lightening in fruits.

#### RECOMMENDED DOSAGE

SS MAN10 RECOMMENDED DOSES OF APPLICATION			
CROP TYPE	CROP	FOLIAR APPLICATION	SOIL DRENCH IRRIGATION / DIPPING
Vegetables	Tomato, Pepper, Eggplant, Cucumber, Zucchini, Strawberry, Melon, Watermelon, Cabbage, Lettuce, Dill, Broccoli, Artichoke etc.	150-200 cc/100 L water	15-20 L/ha
Fruit Trees and Vineyard	Hard Cores (Cherry-Plum-Apricot etc.) Soft Cores (Apple-Pear etc.) Citrus (Orange-Lemon etc.) Hard Shell (Pistachio, Walnut-Hazelnut-Almond etc.), Olive, Pomegranate, Banana, Strawberry	150-200 cc/100 L water	15-20 L/ha
Field Crops	Cereals (wheat, barley, oats, paddy), Legumes (soybean, lentils, chickpeas), Cotton, Corn, Sunflower, Tobacco, Potato, Beet etc.	75-100 cc/ 100 L water	5-10 L/ha

\* For detailed information, please contact our technical team.



## SS MAG

(Liquid)

### PACKAGING

● 1L ● 5L ● 10L ● 20L

**EC FERTILIZER**  
MAGNESIUM SULFATE SOLUTION  
(Magnesium Sulphate Content)

GUARANTEED CONTENT	% W/W
Water Soluble Magnesium Oxide (MgO)	% 8
Water Soluble Sulfur Trioxide (SO <sub>3</sub> )	% 16

#### FUNCTIONS AND BENEFITS

- Chlorophyll is the central atom. It increases the power of photosynthesis and ensures the release of oxygen.
- It has a role in the transportation and settlement of phosphorus.
- Effective in ATP and DNA synthesis.
- Plays a role in the conversion of amino acids to polypeptides.
- Enzyme activator. It helps the function of many enzymes.

#### RECOMMENDED DOSAGE

SS MAG RECOMMENDED DOSES OF APPLICATION			
CROP TYPE	CROP	FOLIAR APPLICATION	SOIL DRENCH IRRIGATION / DIPPING
Vegetables	Tomato, Pepper, Eggplant, Cucumber, Zucchini, Strawberry, Melon, Watermelon, Cabbage, Lettuce, Dill, Broccoli, Artichoke etc.	150-200 cc/100 L water	15-20 L/ha
Fruit Trees and Vineyard	Hard Cores (Cherry-Plum-Apricot etc.) Soft Cores (Apple-Pear etc.) Citrus (Orange-Lemon etc.) Hard Shell (Pistachio, Walnut-Hazelnut-Almond etc.), Olive, Pomegranate, Banana, Strawberry	150-200 cc/100 L water	15-20 L/ha
Field Crops	Cereals (wheat, barley, oats, paddy), Legumes (soybean, lentils, chickpeas), Cotton, Corn, Sunflower, Tobacco, Potato, Beet etc.	100-150 cc/100 L water	5-10 L/ha

\* For detailed information, please contact our technical team.



# SPECIAL PRODUCTS

K

Zn

N



## TRIO FLORA

EC Fertilizer

### PACKAGING

● 0,25 L ● 0,5 L ● 1L

### EC FERTILIZER

BORON (B)-MOLYBDENE (Mo)- ZINC (Zn-Sulphate)

### GUARANTEED CONTENT

% W/W

Water Soluble Zn	% 5
Water Soluble B	% 5
Water Soluble Mo	% 5

### FUNCTIONS AND BENEFITS

- Designed to eliminate zinc, boron and molybdenum deficiency.
- Through its special liquid formulation, can be utilized from the leaf quickly.
- Prevents problems such as insufficient pollen formation and weak flowering. Increases the number of flowers.

### RECOMMENDED DOSAGE

#### TRIO FLORA RECOMMENDED DOSES OF APPLICATION

CROP TYPE	CROP	FOLIAR APPLICATION	SOIL DRENCH IRRIGATION / DIPPING
Vegetables	Tomato, Pepper, Eggplant, Cucumber, Zucchini, Strawberry, Melon, Watermelon, Cabbage, Lettuce, Dill, Broccoli, Artichoke etc.	50-75 cc/100 L water	5-10 L/ha
Fruit Trees and Vineyard	Hard Cores (Cherry-Plum-Apricot etc.) Soft Cores (Apple-Pear etc.) Citrus (Orange-Lemon etc.) Hard Shell (Pistachio, Walnut-Hazelnut-Almond etc.), Olive, Pomegranate, Banana, Strawberry	50-75 cc/100 L water	5-10 L/ha
Field Crops	Cereals (wheat, barley, oats, paddy), Legumes (soybean, lentils, chickpeas), Cotton, Corn, Sunflower, Tobacco, Potato, Beet etc.	25-50 cc/100 L water	2,5-5 L/ha

\* For detailed information, please contact our technical team.





## BLOOM 8-11-5

NPK Fertilizer

### PACKAGING

● 0,25 L ● 0,5 L ● 1 L

GUARANTEED CONTENT	% W/W
Total Nitrogen (N)	% 8
Ammonium Nitrogen (NH <sub>4</sub> -N)	% 1,6
Nitrate Nitrogen (NO <sub>3</sub> -N)	% 1,2
Urea Nitrogen	% 5,2
Water Soluble Phosphorus Penta Oxide (P <sub>2</sub> O <sub>5</sub> )	% 11
Water Soluble Potassium Oxide (K <sub>2</sub> O)	% 5

#### FUNCTIONS AND BENEFITS

- Increases flowering and accelerates fertilization in flowers.
- Promotes the development of generative organs in plants.
- Accelerates the transformation process of flowers into fruit.
- Prevents flower and fruit drop.
- Eliminates fertilization deficiencies in adverse weather conditions.
- Significantly reduces the periodicity.

#### RECOMMENDED DOSAGE

BLOOM RECOMMENDED DOSES OF APPLICATION			
CROP TYPE	CROP	FOLIAR APPLICATION	SOIL DRENCH IRRIGATION / DIPPING
Vegetables	Tomato, Pepper, Eggplant, Cucumber, Zucchini, Strawberry, Melon, Watermelon, Cabbage, Lettuce, Dill, Broccoli, Artichoke etc.	100-200 cc/100 L water	5-10 L/ha
Fruit Trees and Vineyard	Hard Cores (Cherry-Plum-Apricot etc.) Soft Cores (Apple-Pear etc.) Citrus (Orange-Lemon etc.) Hard Shell (Pistachio, Walnut-Hazelnut-Almond etc.), Olive, Pomegranate, Banana, Strawberry	200-250 cc/100 L water	5-10 L/ha
Field Crops	Cereals (wheat, barley, oats, paddy), Legumes (soybean, lentils, chickpeas), Cotton, Corn, Sunflower, Tobacco, Potato, Beet etc.	75-100 cc/100 L water	2 L/ha

\* For detailed information, please contact our technical team.



## CALPOWER-B

EC Fertilizer  
Calcium Nitrate Solution

### PACKAGING

● 1 L ● 5 L ● 20 L

GUARANTEED CONTENT	% W/W
Total Nitrogen (N)	% 8
Nitrate Nitrogen (NO <sub>3</sub> -N)	% 8
Water Soluble CaO	% 15
Water Soluble B	% 0,2

#### FUNCTIONS AND BENEFITS

- Contains high levels of nitrogen and boron in the form of calcium nitrate.
- Supports the absorption and transport of calcium nitrate within the plant.
- Strengthens the cell wall and provides resistance against diseases and pests.
- Promotes carbohydrate exchange and facilitates carbohydrate transport to the roots.
- Increases healthy flower and fruit set.
- Increases the yield and quality of vegetables and fruits.
- Prevents problems such as darkening in potatoes, bitter spots in apples and pears, and blossom end rot in tomatoes due to calcium deficiency.

#### RECOMMENDED DOSAGE

CALPOWER-B RECOMMENDED DOSES OF APPLICATION			
CROP TYPE	CROP	FOLIAR APPLICATION	SOIL DRENCH IRRIGATION / DIPPING
Vegetables	Tomato, Pepper, Eggplant, Cucumber, Zucchini, Strawberry, Melon, Watermelon, Cabbage, Lettuce, Dill, Broccoli, Artichoke etc.	250-300 cc/100 L water	20-30 L/ha
Fruit Trees and Vineyard	Hard Cores (Cherry-Plum-Apricot etc.) Soft Cores (Apple-Pear etc.) Citrus (Orange-Lemon etc.) Hard Shell (Pistachio, Walnut-Hazelnut-Almond etc.), Olive, Pomegranate, Banana, Strawberry	250-300 cc/100 L water	20-30 L/ha
Field Crops	Cereals (wheat, barley, oats, paddy), Legumes (soybean, lentils, chickpeas), Cotton, Corn, Sunflower, Tobacco, Potato, Beet etc.	150-200 cc/100 L water	10 L/ha

\* For detailed information, please contact our technical team.



**AGROMA  
EFFECTS**

**PRE-AGROMA APPLICATION**



**AGROMA AFTER APPLICATION**



**PRE-AGROMA APPLICATION**



**AGROMA AFTER APPLICATION**



Healthy plant development, earliness.  
Color, aroma, homogenous size, high yield.







## INVEST IN YOUR HARVEST NOW WITH COTTON SEED COATING!



### AGROMA APPLICATION

SS-Super Root + Süper Yeşil



### POSITIVE CONTROL

Kimyasal Gübre + Pestisit



### Clover Field Application:

SS-Super Root + SS-Super Green +  
Super Yeşil + Bereket + Trio Flora



Agroma

Control



### Wheat Field Application:

SS-Super Root + SS-Super Green +  
Super Yeşil + Bereket + Fertisol



Agroma

Control



Agroma

Control

**SIGNIFICANT DIFFERENCES  
WERE OBTAINED IN LENGTH  
AND FULLNESS OF SPIKE AND  
EFFECTIVE ROOT DEPTH.**





**Product Without Agroma Applied:**  
Sunflower rooted with conventional farming practice



**Agroma Application:**  
Sunflower rooted with SS-Super Root.



**1. AGROMA SEED COATING**

**2. AGROMA SEED COATING + FOLIAR APPLICATION**

**3. POSITIVE CONTROL SEED COATING**



**Paddy**



Conventional

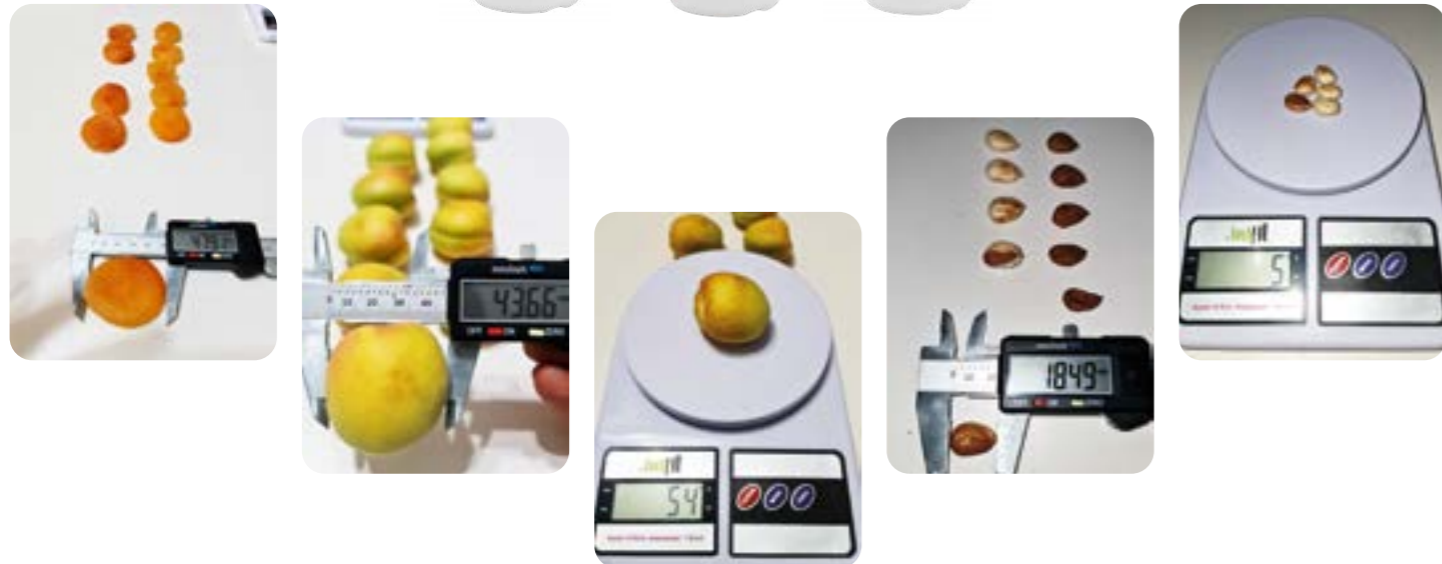


The difference that seed coating made with SS-Super Root makes in paddy grains.





## CONTROL



## AGROMA APPLICATION

## THREE EFFECTS IN ONE

NEMATICIDE - FUNGICIDE - ACARICIDE

### ROOT-KNOT NEMATODE (MELOIDOGYNE SPP.)



Control



Agroma





The logo for AGROMA, featuring a stylized white triangle with a dot inside, followed by the word "AGROMA" in a bold, white, sans-serif font.

**AGROMA**

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Bu katalog 31/07/2023 tarihinde Bahçekapı Mah.  
2477 Sokak No:6 Şaşmaz - Etimesgut / Ankara  
adresinde bulunan Emsal Matb. Tan. Hiz. San.  
Tic. Ltd. Şti.'de 500 adet basılmıştır.