



Toprak Hazırlığından Hasada. "Asanta"

Organik, Organomineral, Kimyasal Bitki Besleme Ürünleri



Organic, Organomineral and Chemical
Plant Nutrition Products



INDEX

About us	1	PolyRoot	17
Members	2	POLYCROP	18
Bio-Terasol	3	MicroMix	19
Bio-Terasol Plus	4	MicroFer 13+AS	20
Bio-Teramin	5	Ferrolin EDTA %6	21
Grow-Set	6	Ferrolin Liquid	22
Orzinas+P	7	Bor-Ca	23
Alginas	8	Boreton	24
CUPRASIN	9	Terasol-Ca Plus	25
Macronit	10	Break-Salt	26
MacroMix 3-24+AA	11	DIOACTIVE	27
Phyto-Fos	12	Bio-Teradot	28
Phyto-Set	13	INERTOL B-10	29
Fully Kalium 30+AA	14	Polywet	30
Kalium-K	15	pHyser	31
PowerFull+AS	16	Contact	32



From Soil Preparation to Harvest, Asanta..



About Us

ASANTA was founded by a group of professionals in 2011. Our company is a manufacturer company, has a wide fertilizer portfolio as own special formulations, organic and inorganic plant nutrients fertilizers. 'We have consistently been at the forefront of innovation. Our Headquarter office, the old one and new modern factory buildings equipped with the latest technology are located in Antalya at the heart of the agriculture in Turkey.

Our main principle is:

- * to improve the Organic Farming inputs with our biotechnological R& D.
- * to improve the communication of knowledge data and farmers training.
- * to provide a better development of Residue-free products.
- * to enhance the level of export of organic farming products .

As being aware of our strategic position in the agriculture, our mission is to have a high level in Customer Satisfaction and better development of residue-free products for our next generations. Indeed, through our cooperation with universities, global agricultural markets and our local commitment to our customers, we helps to increase crop quality, productivity and protect the environment. We are proud of being a reliable international company with more than 20 years experienced professional team and being increased number of customers in Turkish, Middle-East and Caucasus zones.

“We have proven experience.” We hope you enjoy our products as much as we enjoy offering them to you.

Selahattin KESKİNER

CEO

ASANTA TARIM ENDÜSTRİ DIŞ TİC. LTD ŞTİ.
(ASANTA AGRICULTURE INDUSTRY FOREIGN TRADE LTD CO.)
ANTALYA- TURKEY





MEMBER OF
FERTILIZER MANUFACTURERS IMPORTERS
AND EXPORTERS ASSOCIATION



FEATURES & BENEFITS

Bio-Terasol ;

- Enhances the growth of plant roots, leaves and shoots growth.
- Organic matters make a positive effect on the soil structure and components.
- Accelerates the uptake of plant nutrients in the soil.
- Increases the cation exchange capacity of soil and allows easier uptake of fertilizers by plant.
- Regulates mechanisms involved in plant growth stimulation.
- Reinforces the structure of the organic matters in the soil.
- Stimulates nutrient uptake and cell permeability.
- Strengthens the green parts of the plants when it used by foliar. And helps to return back to normal green component deformed for any reason.

COMPOSITION	
GUARANTEED CONTENTS	W/W %
Total Organic Matter	25
Total Nitrogen (N)	1
Organic Carbon	12
Water soluble Potassium oxide (K ₂ O)	1,5
pH : 4-6	

PRODUCT CLASS : VEGETAL ORIGIN LIQUID ORGANIC FERTILIZER

FORM : LIQUID

STORAGE TEMPERATURE: +4 / +40 °C

PACKING: 1 Lt- 5 Lt- 20 Lt- IBC

Bio-Terasol



APPLICATIONS / DOSE

CROPS	BY SOIL-(DIRRIP IRRIGATION)		BY FOLIAR
Tomato, pepper, eggplant, cucumber, beans, peas	Starts after 15 days from transplantation. With an intervals of 20 days until the end of harvest: 3-4 liters/da is mixed into the irrigation water at each application.		200cc/100 lt water
Squash, Watermelon, Melon	At output of the branch, at the fruit set, and then at 20 day intervals; 3-4 liters/da. is mixed into the irrigation water at each application.		200cc/da.
Spinach, Cabbage, Cauliflower, Leeks, Lettuce, Parsley	After the plants have become 3-4 leaves; 3-4 liters/da is mixed into the irrigation water at each application with an intervals of 20 days		250cc/100 lt water
Cutting Flowers	Once at each 20 days, before flowering ; 2 liters /da is mixed into the irrigation water.		
Strawberry	During the development stage,; 3-4 liters/da is mixed into the irrigation water at each application with an intervals of 20 days.		200cc/100 lt water
Potatoes, Sugar beet Onions, Garlic and Radish	After the plants have become 3-4 leaves; 3-4 liters/da is mixed into the irrigation water at each application with an intervals of 20 days.		
Citrus ,apples, kiwi pear, peach, quince, plum, cherry, nectarine, apricot, banana, strawberry	1 st application: Feb-March 2nd application: After fruit set It is mixed 0.5 liters/tree into the irrigation water for each application.		200cc/100 lt water
Vineyard	During the development stage,; 3-4 liters/da is mixed into the irrigation water at each application with an intervals of 20 days.		150cc/100 lt water
Corn	In every irrigation into the irrigation water; 4 liters/da is mixed into the irrigation water for each application.		200cc/100 lt water
Tobacco, Sunflower	In every irrigation into the irrigation water; 4 liters/da is mixed into the irrigation water for each application.		200cc/100 lt water
Cotton	1st application: at the beginning of vegetation, 2nd application: Before the formation of the cocoon, 3rd application: after 20 days, 4 liters/da is mixed into the irrigation water for each application.		200cc/100 lt water
Lawn Areas	After the first cutting in the spring; 3 liters/da is mixed into the irrigation water for each application.		
Wheat, Barley, Rice	At the period of stem elongation		200cc/da.



FEATURES & BENEFITS

Bio-Terasol Plus ;

- Enhances the growth of plant roots, leaves and shoots growth.
- Organic matters make a positive effect on the soil structure and components.
- Accelerates the uptake of plant nutrients in the soil.
- Increases the cation exchange capacity of soil and allows easier uptake of fertilizers by plant.
- Regulates mechanisms involved in plant growth stimulation.
- Reinforces the structure of the organic matters in the soil.
- Corrects the physical and chemical structure of soil in the root zone of the plant
- Increases the cation exchange capacity of soil soil in the root zone of the plant
- Stimulates nutrient uptake and cell permeability.
- Strengthens the green parts of the plants when it used by foliar. And helps to return back to normal green component deformed for any reason.

PRODUCT CLASS : VEGETAL ORIGIN LIQUID ORGANIC FERTILIZER
 FORM : LIQUID
 STORAGE TEMPERATURE: +4 / +40 °C
 PACKING: 1 Lt- 5 Lt- 20 Lt- IBC

Bio-Terasol Plus



APPLICATION METHODE AND DOSE

CROPS	Via SOIL (Drip irrigation)	Via FOLIAR
Cereal and Industrial Crops (Cereals, corn, soybeans, tobacco, cotton, sunflower, feed crops, sugar beets, peanuts, etc.).		Two application; 1. Herbicides using time: 400-450cc/100 lt water 2. Plant stem elongation period: 400-450cc/ 100 lt water
Greenhouse Vegetable Cultivation (Tomato, pepper, eggplant, cucumber, melon, watermelon, pumpkin, potatoes, strawberries, onions, garlic, carrots, lettuce, etc.)	To the root zone of the plant or the seed bed with three separate application; 1600-2200 cc /da.	Application starts when the plants are 3-4 leaf or seedling transplantation time with three separate application: 300 cc/100 lt water.
Open field Vegetable Cultivation (Tomato, pepper, eggplant, cucumber, melon, watermelon, pumpkin, potatoes, strawberries, onions, garlic, carrots, lettuce, celery, spinach)	Applied to the root zone of the plant or the seed bed with three separate application; 2200-2500 cc /da.	Application starts when the plants are 3-4 leaf or seedling transplantation time with three separate application: 350 cc/100 lt water.
Fruits (Stone and pome fruit trees, banana, citrus groves, vineyards, olives, nuts, pistachios, etc.)	Applied to the root zone of the plant by drip irrigation or release irrigation with three separate application : 80-100 cc / tree	Recommended three separate application; 1-Bud and flowering period: 100 lt water/ 400 cc 2-Fruit formation period:100 lt water/ 400cc 3-At the period of the fruit continue to grow , in the middle of season :100 lt water/400cc
Lawn area		Application starts at the beginning of spring and continue 20-30 day intervals. :450 cc/100 lt water.
Ornamental plants	Applied to the root zone of the plant with three separate application; 2000-2200 cc /da.	Application starts when the plants is 3-4 leaf with three separate application ; 100 lt water 300cc

COMPOSITION

GUARANTEED CONTENTS	W/W %
Total Organic matter	40
Total Nitrogen (N)	1
Organic Carbon	18
Water soluble Potassium oxide (K2O)	2
pH	4-6



Bio-Teramin

FEATURES & BENEFITS

Bio-Teramin ;

- Bio-Teramin is a Nutritional Serum with high Nutritive and Biological value. It can penetrate rapidly to the plant tissue. The combination of the Bio-Elements, amino acids, calcium, magnesium, boron, manganese, zinc, oligo-saccharides, macro and micro-elements included in its content, provide the following characteristics:
- The maximum possible amount of sacchars and their maximum circulation into the plant juices.
- The strengthening of the cell-walls.
- The reduction of the Freezing point of the cytoplasm.
- The reinforce of the Protein and Hydrocarbon production.
- The improvement of Photosynthesis.
- The reduction of the water quantity into the plant tissue and the prevention of the ice-crystal production.
- Bio -Teramin is proper for all kind of crops and especially useful for the RECOVERING FROM ANY KIND OF STRESS caused by the low temperatures, diseases etc.

PRODUCT CLASS : LIQUID ORGANIC FERTILIZER CONTAINING PLANT-DERIVED AMINO ACIDS.

FORM: LIQUID

STORAGE TEMPERATURE: +4 / +40 °C

PACKAGING: 1 Lt- 5 Lt- 20 Lt- IBC



APPLICATION METHODE AND DOSE

CROPS	APPLICATION PERIOD	Via FOLIAR	Via Soil
Vegetables (Green house)	-Starting 10-15 days after planting the seedlings or first germination until the end of harvest	200-250 cc/100 lt water	400-450 cc/da.
Vegetables (Open field)	-Starting 10-15 days after planting the seedlings or first germination until the end of harvest	250-300 cc/100 lt water	450-500 cc/da.
Leafy vegetables	-During the development period	250-300 cc/100 lt water	450-500 cc/da.
Sugar Beet,	-After sowing (before first germination) together with the herbicides	200-250 cc/100 lt water	450-500 cc/da.
Carrot, Potato etc	-Apply after 15-30-45 and 60 days from planting or sprouting	200-250 cc/100 lt water	450-500 cc/da.
Soft-core fruit.	- During the first spring period of rooting and sprouting - During the development period	200-250 cc/100 lt water	450-500 cc/da.
Hard-core fruit	- During the first spring period of rooting and sprouting - During the development period	200-250 cc/100 lt water	450-500 cc/da.
Strawberry, Banana	- 10-15 days after planting the seedlings - After flowering	200-250 cc/100 lt water	400-450 cc/da.
Citrus	- During the first spring period of rooting and sprouting - During the development period	200-250 cc/100 lt water	500-550 cc/da
Olives, Walnuts, Almonds etc.	- During the first spring period of rooting and sprouting - During the development period	150-200 cc/100 lt water	250-300 cc/da.
Grape Vineyard	- Until harvest from during the first spring period of rooting and sprouting. 2 applications with 15 days interval after the harvest	150-200 cc/100 lt water	300-350 cc/da.
Cereals, grains and industrial crops	- At the beginning of tillering and during the early flower period	300-350 cc/100 lt water	350-400 cc/da

COMPOSITION

GUARANTEED CONTENTS	W/W %
Total Organic matter	30
Organic Carbon	12
Organic Nitrogen (N)	2
Water Soluble Potassium Oxide (K₂O)	2
Free Amino Acids	6
pH : 4 - 6	
Extra Ingredients: Special Amino acids , Seaweed extracts and special natural additives etc.	



FEATURES & BENEFITS

Grow-Set ;

- The product is liquid organomineral fertiliser containing high amount of organic materials. Could be applied from the soil or from the leaf, promotes and positively effects the growth of the root and blooming. Provides abundant and good quality yield from the plant.
- Stimulate fruiting/blooming and root growth.
- Helps to form healthy development of vegetal green parts and fruit wall.
- Helps in the building of protein, photosynthesis, fruit quality and reduction of diseases.
- Encourages the formation of starch in plants and proper root development.
- Increases resistance to stress conditions.
- Increases Crop yield.
- Improves seed germination.

PRODUCT CLASS: ORGANOMINERAL FERTILIZER WITH NP

FORM : LIQUID

STORAGE TEMPERATURE: +4 / +40 °C

PACKAGING: 1 Lt- 5 Lt- 20 Lt- IBC

Grow-Set



COMPOSITION

GUARANTEED CONTENTS	W/W %
Total Organic matter	25
Total Nitrogen (N)	3
Organic Nitrogen(N)	0,5
Ureic Nitrogen	2,5
Total Phosphorus Pentaoxide(P2O5)	10
Water soluble Phosphorus pentaoxide (P2O5)	10
Water soluble Boron(B)	0,01
Water soluble Iron (Fe)	0,02
Water soluble Manganes(Mn)	0,01
Water soluble Molybdenium (Mo)	0,01
Water soluble Zinc (Zn)	0,01
Max Chlorine(Cl)	0,5
pH	1-3
Extra Ingredients: Amino acids , Seaweed extracts etc.	

APPLICATION METHODE AND DOSE

CROPS	APPLICATION PERIOD AND DOSE
VEGETABLES (Peppers, tomatoes, eggplant, melon, watermelon, cucumber)	Repeated every 10-15 days; Via soil: 1 lt/ da By Foliar: 200-300 cc/ 100 lt water
Fruit trees (Pome & drupe) (excluding plum trees)	Two application (In prefloration and the leaf fall down) By Spraying: 500 cc / 100 lt water
Beet, Carrot	At first hoe : 100 cc/da. by soil, or with together herbicide :250-300 cc/100 lt water (after 4th - 5th leaf) by spraying
Citrus	300cc/da. One application
Olive	Two applications : 3 00 cc/da. (In prefloration and when fruit is setting, approximately 5 mm diameter.)
Cereals (Wheat, corn, tobacco, rice, etc.)	Only one treatment of 250-300cc/100 lt water (at 4th leaf) by spraying application. Or , at the period of tillering together with herbicides (after 4th-5th leaf) : Two application
Industrial Crops (cotton, sunflower and others	Two application: 1-Via foliar; Two application (at the period of tillering together with herbicides (after 4th-5th leaf) 2-Second application;250-300 cc/100 lt water or 50-100 cc/da. at the beginning of the ear of grain .
Lawns/Golf	Upkeep: 150 cc/100 lt water . every two weeks. Rooting: 300 cc/100 lt water . at onset of germination. (2nd leaf)
Ornamentals	200-300 cc/100 lt water /da.



FEATURES & BENEFITS

Orzinas + P ;

- The application of this product enhances the physiochemical and biological characteristics of the soil, increasing root development and permitting a better use of those resources available, which in turn causes an increase in crop yield and an improvement in crop quality.
- Stimulate fruiting/blooming and root growth.
- Encourages the growth and development of beneficial microorganisms in the soil.
- Helps to form healthy development of vegetal green parts and fruit wall.
- Helps in the building of protein, photosynthesis, fruit quality and reduction of diseases.
- Encourages the formation of starch in plants and proper root development.
- Makes a positive effect on the soil structure and components.
- Accelerates the uptake of plant nutrients in the soil.
- Increases resistance to stress conditions
- Increases Crop yield.
- Improves seed germination

PRODUCT CLASS : ORGANOMINERAL FERTILIZER WITH NP

FORM : LIQUID

STORAGE TEMPERATURE: +4 / +40 °C

PACKAGING : 1 Lt- 5 Lt- 20 Lt- IBC

Orzinas+P



COMPOSITION

GUARANTEED CONTENTS	W/W %
Total Organic matter	15
Total Nitrogen (N)	3
Organic Nitrogen(N)	0,5
Ureic Nitrogen	2,5
Total Phosphorus Pentaoxide(P2O5)	7
Water soluble Phosphorus pentaoxide (P2O5)	7
Water soluble Zinc (Zn)	8
Max Chlorine(Cl)	1
pH	1-3
Extra Ingredients : Special Amino acids , Seaweed extracts etc.	

APPLICATION METHODE AND DOSE

CROPS	APPLICATION PERIOD	BY FOLIAR	DRIP IRRIGATION
WHEAT	When the plant height is 30 cm	100 cc/ da.	
CEREALS (Barley, Oats, Rye, Chickpeas, Lentils)	When the plant height is 30 cm	150 cc/ da.	
VEGETABLES (Tomato, Pepper, Eggplant, Cucumber, Pumpkin, Strawberry, Cabbage, Cauliflower, Pea)	With sowing, after flowering, until harvest.	200 cc/100 L water	1 L / da./week
CITRUS (Orange, Lemon, Mandarin, Grapefruit)	With the planting. During the harvest period.	200 cc/ 100 L water	1-1,5 L/ da (for 20-25 trees)
FRUIT TREES (Cherry, Apple, Pear, Peach, Apricot, Kiwi,Avocado, pomegranate, quince)	After the flowers, until harvest.	200 cc/ 100 Lwater	1-1,5 L/da
MELON- WATERMELON	Before flowering After flowering	150-200 cc/100 L water 150-200 cc/100 L water	
BANANA	In prenatal period In postpartum period	200 cc/100 L su 250 cc/100 L su (sprinkler system)	1 L/ da./week
VINEYARDS	Before flower attitude: In the fruit setting:	150cc / 100 L water 150cc / 100 L water	1 L/ da
PISTACHIO	After leaf formation When the grains are in the wheat range:	150-200 cc / 100 L water 150-200 cc / 100 L water	1,5 L/ da
NUTS, ALMOND, HAZELNUT	After leaf formation	200 cc/ 100 L water	1 L/da
GROUND PEANUTS	Before flowering	100 cc/da.	
CORN, SUNFLOWER	When the plant size is 45 cm (at the last entry of the tractor):	150-200 cc / 100 L water	
COTTON	Before flowering At the start of Cotton bolls	150-200 cc / 100 L water 150-200 cc / 100 L water	1,5 L/ da
OLIVE	During flowering:	150-200 cc / 100 L water	1 L/ da (for 20-25 trees)
SUGAR BEET	3 app: At 4-6 leafed period and 2 application with 15 days intervals.	200 cc/100 L water	100 cc/ da
ONION, GARLIC, POTATO	4-6 leaf period	150 cc/ 100 L water	1 L/ da.



FEATURES & BENEFITS

Alginas

Alginas ;

- Alginas is produced using the best known Ascophyllum Nodosum seaweed obtained from the depths of the northern hemisphere.
- Since it contains high organic matter, it increases the number of beneficial micro organisms and microbial activity in the soil.
- It strengthens the root systems of the plant, allowing it to take more nutrients and water from the soil.
- It has a direct effect on the rooting of the plant, the formation of strong branches and green parts, shoot development, flowering, fruit set and product quality.
- It increases the chlorophyll level in the plant, which allows it to perform more photosynthesis and therefore the plant to have a healthy and strong structure.
- It minimizes the negative effects of pesticides on plants and maximizes the effectiveness of the pesticide. It increases the resistance of the plant against diseases and harmful insects.



PRODUCT CLASS : ORGANIC SOURCED PRODUCTS LIQUID SEA ALGAE

FORM : LIQUID

STORAGE TEMPERATURE: +4 / +40 °C

PACKAGING : 1 Lt- 5 Lt- 20 Lt- IBC

COMPOSITION	
GUARANTEED CONTENTS	W/W %
Total Organic matter	25
Water-soluble Potassium Oxide (K2O)	6
Alginic acid	0,6
Gibberellic acid	10 ppm
Maximum EC (dS/m)	21
pH	8-10

APPLICATION METHODS AND DOSES

CROPS	APPLICATION PERIOD	Drip or Sprinkler system	Via Foliar (with 100 lt of water
Tomato, Pepper, Eggplant, Cucumber, Zucchini, Beans, Peas etc.	* 1 application in the early stages of the plant (up to the 2nd flower), * 2-3 applications from second flower to harvest.	1,5 - 2 lt. / da.	200 cc
Parsley, Lettuce, Spinach, Cabbage, Cauliflower, Artichoke, Carrot, Onion, Garlic, Leek, Beet	* In the period of 4-6 leaves, * 2-3 weeks after the first application	1,5 - 2 lt. / da.	200 cc
Potato	* 1 application in the early stages of the plant (up to the 2nd flower), * 2-3 applications from second flower to harvest.	1,5 - 2 lt. / da.	200 cc
FRUITS			
Citrus: Orange, Lemon, Mandarin, Grapefruit etc.	"Before flower", "After fruit formation", "When fruits are walnut-sized" single application	1,5 - 2 lt. / da.	300 cc
*Hard and Soft seeds: Apple, Pear, Apricot, Peach, Plum, Cherry, Pomegranate, Kiwi, Olive, Pistachio, Almond, Hazelnut, Walnut	*1st application: After flower, *2nd application: 2-3 weeks after the first application	1,5 - 2 lt. / da.	300 cc
Vineyard	*When the shoots are 15 -20 cm * Before the flower * During the thin berry formation period * During the fruit development period, before the start of sweet water	1,5 - 2 lt. / da.	300 cc
Strawberry, Raspberry	* Before flower * After the first application, 2 times with an interval of 15 days	1,5 - 2 lt. / da.	200 cc
Banana	Immediately after Reconstruction (Repair) and before bunch birth	1,5 - 2 lt. / da.	300 cc
INDUSTRIAL CROPS			
Cotton, Soybean, Peanut, Corn, Lentil, Chickpea, Sunflower	After 3-5 leaves are formed, until harvest with 15 days intervals	1,5 - 2 lt. / da.	200 cc
Tobacco, Tea	1.After the anchor 2.After first harvest	1,5 - 2 lt. / da.	200 cc
Sugar beet	* When root growth begins * When sugar accumulation begins * 1.5 months before harvest	1,5 - 2 lt. / da.	200 cc
Cut floristry, Green spaces	* 3-4 applications with 10-15 days intervals from the leafing period	1-1,5 lt./da	200 cc
CEREALS			
Wheat, Barley, Paddy, Oats, Canola	Two applications are made during the tillering period and after 15 days.	1,5 - 2 lt. / da.	200 cc



CUPRASIN



FEATURES & BENEFITS

CUPRASIN ;

- CUPRASIN is a nanotechnology-based "systemic" copper fertilizer solution that can be easily and completely taken up by the roots and leaves of the plant.
- CUPRASIN contains Copper (Cu) and nanoparticulate Colloidal Silver (Ag) obtained by protein hydrolysis (Bio synthesis) method. It has a formulation that combines the antibacterial and antifungal properties of two metals (Cu & Ag). As a natural alternative to biocidal chemicals, it contains Copper (Cu) and Colloidal Silver in a portable form that can be easily and very quickly absorbed by the leaves and roots of plants with its systemic structure.
- Due to its anti-bacterial and anti-fungal effect mechanism, it provides a natural and effective solution in the pest control against many different harmful microorganisms, while providing effective control without harming human health, nature and the environment.
- By activating the plant defense system, it protects plants against diseases and increases the resistance of plants.
- It does not cause phytotoxicity during the flowering period of fruits and vegetables. Because of this feature; It can be used safely during the flowering period of fruits and vegetables.

PRODUCT CLASS : CUPPER FERTILIZER SOLUTION (With Copper Nitrate)

FORM : LIQUID

STORAGE TEMPERATURE: +4 / +40 °C

PACKAGING : 1 Lt- 5 Lt- 20 Lt- IBC

COMPOSITION	
GUARANTEED CONTENTS	W/W %
Water soluble Copper (Cu)	6
Extra Ingredients : Colloidal Silver Water (Ag) and other extra additives etc.	

APPLICATION METHODS AND DOSES

CROPS	APPLICATION PERIOD	Via soil	Via Foliar
		(with 1 ton of water)	(with 100 lt of water)
Tomato, Pepper, Eggplant, Cucumber, Melon, Watermelon, Bean, Pea	1-2 weeks after planting, 2-3 applications	0,5 lt. / da.	75-100 cc
Lettuce, Spinach, Cabbage, Parsley, Cauliflower, Artichoke	* In the leafy period in early spring, *2 applications with an interval of 15 days after the anchor, * 1 application after cutting (harvest)	0,5 lt. / da.	75-100 cc
Potatoes, Carrots, Onions, Garlic	2 applications in early spring, during the leafy period, with an interval of 15 days after the hoe.	0.5 lt / da.	75-100 cc
FRUITS			
Citrus: Orange, Lemon, Mandarin, Grapefruit etc.	2 applications before and after flower	1 lt./da.	100 cc
*Hard and Soft Seed Fruits: Apple, Pear, Apricot, Peach, Plum, Cherry, Pomegranate etc.	* 1 application before the eyes of the trees wake up in early spring	1 lt./da	100 cc
Olive, Pistachio, Almond, Hazelnut, Walnut	* 1 application after the trees shed their leaves after harvest		
Vineyard	1. When the leaves fall 70-80%	0.5 lt / da.	75-100 cc
	2.It's time for the fruit bud to wake up		
	3. When the shoots are 10-15 cm		
	4. Post flower		
	5. After berry touch, before ripening period		
Strawberry	2-3 applications after the seedling clings to the soil	0.5 lt / da.	75-100 cc
Banana	*1 application 15 days before the plant sits in the fruit, *2 applications 20 days apart after sitting on the fruit	1,5 lt / da.	50-75 cc
INDUSTRIAL PLANTS			
Cotton, Soybean, Peanut, Corn, Lentil, Chickpea	2 applications with an interval of 15 days after the anchor	0,5 lt. / da.	75-100 cc
Tobacco, Tea, Sunflower, Sugar Beet	2 applications with an interval of 15 days after the anchor	1 lt./da	75-100 cc
Cut floristry, Green spaces	The foliation period and after	1 lt./da	50-75 cc
CEREALS			
Wheat, Barley, Paddy, Oats, Canola	Two applications are made after the tillering period and 15 days later.	1 lt./da	75-100 cc



Macronit

FEATURES & BENEFITS

Macronit ;

- Allows higher efficiency to be achieved, higher protein levels in plants, grain, fruit yield and leaf.
- Remedy the negative results of Nitrogen shortages in vegetative growth period of crops.
- Encourages growth of the plant and vegetables.
- Important for green leafy plants.
- Facilitates a rapid growth of plants.
- Enables highest quality crops.



COMPOSITION	
GUARANTEED CONTENTS	W/W %
Total Nitrogen (N)	20
Nitric Nitrogen (N)	5
Ammonia Nitrogen (N)	4
Ureic Nitrogen(N)	11
pH	5-6

PRODUCT CLASS : LIQUID NITROGEN FERTILIZER SOLUTION

FORM: LIQUID

STORAGE TEMPERATURE: +4 / +40 °C

PACKAGING: 1 Lt- 5 Lt- 20 Lt- IBC

APPLICATION METHODE AND DOSE			
CROP	APPLICATION PERIOD	Via FOLIAR	Via SOIL
Horticulture crops (Such as tomatoes, peppers, watermelon, cucumber, carrot, etc.)	2-3 application, From the beginning of flowering.	100 cc/100 lt water	2,5 lt/ da.
Citrus Fruits	2 application, after flowering		3 lt/ da.
Fruit Trees (Such as apple, plums, peaches, apricots, etc.)	2-3 application, starting pre-flowering		3 lt/ da.
Potato, Onion, Carrot, radish, Sugar beet	2-3 application, starting at 4-5 leaves stage	200 cc /da.	
Peanut, Soy, Beans, Broad beans, etc.	2-3 application, starting pre-flowering	200 cc /da.	
Cereals	Applied during tillering	200 cc /da.	
Corn	Applied during 4-5 leaf stage.	150 cc /da.	
Cotton	From Grounding (bleaching) beginning until beginning of apple.	200 cc /da.	
Vineyards	2-3 application, Pre-flowering and after flowering.	150 cc /da	
Floriculture	Apply 3-4 times at intervals of 10-15 days. These doses given at one time or half dose is carried out twice.		2-3 lt /da.
GENERAL APPLICATION DOSE BY FOLIAR : 100-200 cc / 100 lt water			



MacroMix 3-24-0

FEATURES & BENEFITS

MacroMix 3-24-0 ;

- The phosphide ion provides a prophylactic effect against specific oomycetes (mildew producing fungus), strengthens the stem and the roots against attacks by phythophthora and other diseases and prevents rotting in conditions of high humidity.
- Nitrogen on the other hand is a fundamental component of amino acids, combined with carbohydrates it forms lignin in the cell walls; it forms part of the energy system of the plant and intervenes in the synthesis of vitamins and auxins.
- MacroMix 3-24-0, is a well-designed liquid start fertilizer for young plants and is aimed to obtain the best results at the agricultural application.
- MacroMix 3-24-0 is a highly concentrated solution based on phosphorous and which also contains Nitrogen and Amino acid.
- MacroMix 3-24-0 also promotes the plants natural defenses and induces the synthesis of phytoalexins in such a way that the plants resistance is strengthened against attacks from fungus or bacteria.
- Provides for the proportional and balanced growth for the green parts of plants, flowers and fruits.
- Improves the quality of flowers and fruits.
- Contributes to the development of the plant root.
- Increases the amount of sugar in fruit.

PRODUCT CLASS : NP FERTILIZER SOLUTION

FORM: LIQUID

STORAGE TEMPERATURE: +4 / +40 °C

PACKAGING: 1 Lt- 5 Lt- 20 Lt- IBC



COMPOSITION	
GUARANTEED CONTENTS	W/W %
Total Nitrogen (N)	3
Ammonia Nitrogen (NH4-N)	3
Water Soluble Phosphorus Pentaoxid (P2O5)	24
Extra Ingredients : Amino acid etc.	

APPLICATIONS METHODE AND DOSE

CROPS	APPLICATION PERIOD	Via SOIL	Via FOLIAR
VEGETABLES: Tomatoes, peppers, cucumbers, eggplant, beans, peas, etc.)	Applied after harvest and flowering period	2 lt /da./week	150 – 200 cc./100 lt water
BEET	Applied before flower		200-300 cc. /100 lt water
POTATO	Applied before flower		200-300 cc. /100 lt water
VATERMELON, MELON	1. Formation of the branch 2. Before flower	2,5 lt./ da.	200 cc. /100 lt water
COTTON	1. Formation of cotton boll 2. Before flower		200 cc/ da.
CITRUS :Lemon, Orange, Mandarin FRUIT TREES: Apple, Pear, Plum, Apricot, Peach, Cherry,	With flowering, growth phase 15-20 day intervals	5 lt./ da.	150 – 200 cc. /100 lt water
VINEYARDS	1. At the beginning of the development. 2 .After the harvest		150 cc./100 lt water
TOBACCO	1. At seedling period 2. After first hoeing		300-350 cc./ 100 lt water
BANANA	At the beginning of season	3 lt./ da.	250-300 cc. /100 lt water
STRAWBERRY, RASPBERRY	Seedling planting and during the entire period	2 lt./da./week	200 cc. /100 lt water
WHEAT, BARLEY, RICE, OATS	At tillering period		200 cc./da.
OLIVE, HAZELNUT, WALNUT	Applied after harvest and flowering period		150 - 200 cc. /100 lt water
FLORICULTURE	At the developmental period.		200 cc. /100 lt water



FEATURES & BENEFITS

Phyto-Fos ;

- Phosphorus is a component of the complex nucleic acid structure of plants, which regulates protein synthesis. Phosphorus is, therefore, important in cell division and development of new tissue. Phosphorus is also associated with complex energy transformations in the plant. Phosphorus (P) is an essential part of the process of photosynthesis. It functions as one of the major players in the process of photosynthesis, nutrient transport, and energy transfer. It is involved in the formation of all oils, sugars, starches, etc.
- Phyto-Fos, is a special phosphoric acid formulation designed with DMSO and containing rich Phosphorus and fast-acting. for soil applications to complement the basic fertilization and fertirrigation of vegetal crops.
- It is designed for the providing the best nutritional condition when used during the plant transplantation into the soil and at the first period after planting and before flowering.
- Helps the plant establish a stable and more powerful root system and have a strong first growing season.
- Promotes root growth and winter hardiness, stimulates tillering, and often hastens maturity.
- Encourages blooming and root growth. Effects rapid growth.
- Provides good flowering and strongly influences the quantity, weight and quality, preservation of seeds and fruits.
- Improves the capacity and resistance to diseases and pests.
- Enhances cellular division, proteins and carbohydrates production in crops while the plant itself generates all the hormones that are required at this time.

PRODUCT CLASS : NP FERTILIZER SOLUTION

FORM: LIQUID

STORAGE TEMPERATURE: +4 / +40 °C

PACKAGING: 1 Lt- 5 Lt- 20 Lt- IBC

Phyto-Fos



APPLICATION METHODE AND DOSE

CROPS	Via FOLIAR	Via SOIL
VEGETABLES (Tomatoes, peppers, cucumbers, eggplant,beans,peas, etc.)	1. After harvest, 2. Flowering period: 100 cc / 100 lt water	Re-application every 15 days:500 cc/da.
	During the transplantation: The seedlings root zone is immersed into the prepared Phyto-Fos solution of the 3 cc/Lt.	
BEET	Applied before flower:100 cc/100 lt water	Re-application every 15 days:500 cc/da.
POTATO	Applied before flower: 100 cc/100 lt water	3 applications during tuber growth: 500 cc / da.
VATERMELON, MELON	1.Formation of the branch, 2.Before flower: 100 cc/100 lt water	500 cc. / da.
COTTON	1.Formation of cotton boll , 2.Before flower: 100 cc / da.	
CITRUS (Lemon, Orange, Mandarin) FRUIT TREES (Apple, Pear, Plum, Apricot, Peach, Cherry,)	With flowering, growth phase 15-20 day intervals: 75-100 cc/ 100 lt water	It can be applied 3 times : at the end of March, July, September In soil Calcic: 500 cc/ da. Lime rate in normal soil: 400 cc/da.
VINEYARDS	1. At the beginning of the development. 2. After the harvest: 50-75 cc / 100 lt water	Two applications: 1.Pre-flowering, 2.After harvesting: 500 cc/da.
TOBACCO	1.At seedling period, 2.After first hoeing: 100-150 cc/ 100 lt water	
BANANA	Birth time period:100-150 cc/ 100 lt water	Birth time period:500cc / da
STRAWBERRY, RASPBERRY	2-3 applications during the vegetative development period from surprise: 100 cc / 100 lt water	Two applications: 1.Pre-flowering, 2.After harvesting: 500 cc/da.
WHEAT, BARLEY, RICE, OATS	At tillering period:100 cc / da.	
OLIVE, HAZELNUT,WALNUT, PISTACHIO	Two applications: 1.Pre-flowering, 2.After harvesting: 75-100 cc /100 lt water	Two applications: 1.Pre-flowering, 2.After harvesting: 500 cc/da.

COMPOSITION

GUARANTEED CONTENTS	W/W %
Total Nitrogen (N)	3
Ureic Nitrogen (NH ₂ -N)	3
Water Soluble Phosphorus Pentaoxid (P ₂ O ₅)	42
Density: 1,4 gr/cc	
pH : 1-2	
Extra Ingredients : Molybdenum (Mo), adjuvant, excipient activators and penetrating agents etc.	



Phyto-Set

FEATURES & BENEFITS

- Phyto-Set, is a liquid foliar fertilizer with double function in plants. On the one hand, it works as a powerful nutrient due to its high concentrations of Nitrogen and Potassium with ion activator DMSO as an organic compound; on the other hand it enhances the natural defenses of the plants against fungal pathogens working as a stimulator of phytoalexin production. It has a big effect of control and preventive of certain cryptogammic pathologies.
- Phyto-Set, is specifically recommended to favour flowering and fructification process in flower and fruits.
- Phyto-Set ,provides winter hardiness, stimulates tillering, and often hastens maturity.
- Provides rapid root growth and promotes for good hooking, blooming, coloring, and flowering and strongly influences the quantity, weight and quality, preservation of seeds and fruits.
- Improves the capacity and resistance to diseases and pests.
- Enhances cellular division, proteins and carbohydrates production in crops while the plant itself generates all the hormones that are required at this time.



PRODUCT CLASS : NK FERTILIZER SOLUTION

FORM: LIQUID

STORAGE TEMPERATURE: +4 / +40 °C

PACKAGING: 1 Lt- 5 Lt- 20 Lt- IBC

COMPOSITION

GUARANTEED CONTENTS	W/W %
Total Nitrogen (N)	3
Ureic Nitrogen	3
Water Soluble Potassium oxide (K2O)	20
Density: 1,35 gr/cc	
Extra Ingredients:	
Water Soluble Phosphorus Pentaoxid (P2O5) : 27 %	
Also It contains molybdenum, adjuvant, excipient activators and penetrating agents etc.	

DOSAGE AND APPLICATION

CROPS	APPLICATION PERIOD	BY FOLIAR	BY SOIL
Horticulture	When the plant is 30-40 cm, 2 applications with 20 days interval	150-200 cc/100 lt. water	1 lt./da.
Vines	1st application: When 50% of the petals be poured. 2nd application: When unripe grape period. 3rd application: When big grape period.	75-100 cc/100 lt. water	1-1,5 lt./da.
Fruit trees (Tropical, Stone and pip)	2 application after from fruit set period.	200-250 cc/100 lt. water	2 lt./da.
Citrus	Apply three times March, July and September.	50 cc/100 lt. water	1 lt./da.
Strawberries	1st application: when the fruits begin to color 2nd application: 20 days later	30 cc/100 lt. water	0,5 lt/da.
Banana	1st app: before bunch of grape. 2nd app: after bunch of grape	75 cc/100 lt. water 150 cc/100 lt. water	1 lt./da. 1,5-2 lt./da.
Potatoes, sugar beet	1st application: When the plants 15cm (start of the period of tuber formation 2nd application: 20 days after the first application 3rd application: Fruit growth period	100 cc/100 lt. water	1.st app:1,5-2 lt./da 2.nd app:2-2,5 lt./da. 3.rd app: 1,5-2 lt./da
Corn, Sunflower	When the plant is 25-30 cm, 3 applications with 20 days interval	100 cc/100 lt. water	1.st app:1,5-2 lt./da 2.nd app:2,5-3 lt./da. 3.rd app: 1,5-2 lt./da
Cotton, Soybeans, Peanuts	When the plant is 15-20 cm, 3 applications with 15-20 days interval	100 cc/100 lt. water	1.st app:1,5-2 lt./da 2.nd app:2-2,5 lt./da. 3.rd app: 1,5-2 lt./da
Pistachio, Hazelnut	2 applications in internal filling period	100 cc/100 lt. water	1lt./da.
Cereals (wheat, barley)	1st application: When the plant is 30-40cm 2nd application: 15-20 days later	100 cc/100 lt. water	1 lt./da.



Fully Kalium

FEATURES & BENEFITS

- Fully Kalium , is a corrector for potassium deficiency which is presented as a highly concentrated liquid solution and which also contains Amino acid.
- Fully Kalium , affects various quality factors of fruit and vegetables, such as taste and color.
- Helps in the building of protein, photosynthesis, fruit quality and reduction of diseases.
- Increases the fruit size with enlarger feature.
- Fortifies resistance towards drought, frost and cryptogamous diseases; in addition to increasing the mechanical resistance of the stem it also strengthens the root system and plays a part in the filling out and ripening process of the fruit.



PRODUCT CLASS : POTASSIUM SOLUTION
FORM: LIQUID
STORAGE TEMPERATURE: +4 / +40 °C
PACKAGING: 1 Lt- 5 Lt- 20 Lt- IBC

COMPOSITION

GUARANTEED CONTENT	W/W %
Water Soluble Potassium oxide (K ₂ O)	30
Extra Ingredients : Amino acid and and special natural adjuvants.	

APPLICATION METHODE AND DOSE

CROPS	APPLICATION PERIOD	Via Soil	Via Foliar
Vegetables (greenhouse) (Tomatoes, peppers, cucumbers, eggplant, beans, peas, etc.)	*On soil preparation : *when the fruit size becomes as hazelnut: (By drip irrigation every 15 days)	1,5 kg/da. 400 gr/da.	250 cc/100 Lt. water
Vegetables (Open field)	*On soil preparation : *when the fruit size becomes as hazelnut: (By drip irrigation every 15 days)	2 kg/da. 500 gr/da.	350 cc/100 Lt. water
Leaf-edible plants	*On soil preparation : *When the plant size becomes 15 cm : (By drip irrigation every 15 days)	2 kg/da. 500 gr/da.	350 cc/100 Lt. water
Strawberries	*On soil preparation : when the fruit size becomes as hazelnut : (By drip irrigation every 15 days)	2 kg/da. 500 gr/da.	350 cc/100 Lt. water
Melon, Watermelon, Pumpkin	*On soil preparation : *when the fruit size becomes as hazelnut: (By drip irrigation every 15 days)	2 kg/da. 600 gr/da.	400 cc/100 Lt. water
Citrus	*In the spring by drip irrigation : *when the fruit size becomes as hazelnut: *In the Autumn:	3 kg /da. 3 kg/da. 2 kg/da.	Repeated three time until harvest. 400 cc/100 Lt. water
Fruit trees	*In the spring by drip irrigation : *when the fruit size becomes as hazelnut: *In the Autumn:	3 kg /da. 3 kg/da. 2 kg/da.	Repeated three time until harvest. 400 cc/100 Lt. water
Vineyards	*In the spring by drip irrigation : *when the fruit size becomes as hazelnut: *In the Autumn:	1,5 kg/da. 2 kg/da. 1,5 kg/da.	Repeated three time until harvest. 250 cc/100 Lt. water
Industrial crops	*On soil preparation : *When the plant size becomes 10 cm : (By drip irrigation every 15 days)	2 kg/da. 600 gr/da.	400 cc/100 Lt. water
Ornamentals	*On soil preparation : *When the plant size becomes 10 cm : (By drip irrigation every 15 days)	2 kg/da. 500 gr/da.	250 cc/100 Lt. water



Kalium-K

FEATURES & BENEFITS

- Kalium-K is a corrector for potassium deficiency which is presented as a highly concentrated liquid solution and which also contains highly concentrated Sulfur (SO₃).
- Kalium (K); affects various quality factors of fruit and vegetables, such as taste and color. Helps in the building of protein, photosynthesis, fruit quality and reduction of diseases.
- Sulfur (S); essential plant food for production of protein. Promotes activity and development of enzymes and vitamins. Helps in chlorophyll formation. Improves root growth and seed production. Helps with vigorous plant growth and resistance to cold.
- Kalium-K fortifies resistance towards drought, frost and cryptogamous diseases; in addition to increasing the mechanical resistance of the stem it also strengthens the root system and plays a part in the filling out and ripening process of the fruit.
- Kalium-K enhances the physiochemical and biological characteristics of the soil, increasing root development and permitting a better use of those resources available, which in turn causes an increase in crop yield and an improvement in crop quality.



PRODUCT CLASS : POTASSIC SOLUTION
 FORM: LIQUID
 STORAGE TEMPERATURE: +4 / +40 °C
 PACKAGING: 1 Lt- 5 Lt- 20 Lt- IBC

APPLICATION METHODE AND DOSE			
CROP	APPLICATION TYPE	APPLICATION PERIOD	DOSAGE
Melon-watermelon	Foliar spraying	After fruit formation ,2 applications	500 cc/da
Wheat-Barley	Foliar spraying	In the stem elongation period	500 cc/da
		in spike formation period	300-500 cc/da
Peach, plum, apricot, cherry sour, apple, quince	Foliar spraying	in stone hardening period	300 cc/100 lt water
Cauliflower, broccoli, artichoke,cabbage	Foliar spraying	In heading time	500 cc/100 lt water
Potato, Tomato, Cucumber,	Through drip irrigation	From first flower to harvest	2000 cc/da
Pepper, eggplant, leek, bean etc.	Through drip irrigation	In harvest period	3000 cc/da
Strawberry	Through drip irrigation	Until fruit grows to its normal size	1500 cc/da
		When harvest begins, Once a week	2000 cc/da
Greenhouse plants	Through drip irrigation. Once a week	In the period before flower	1000 cc/da
		In fruit period	2000 cc/da

COMPOSITION	
GUARANTEED CONTENTS	W/W %
Water soluble Potassium Oxide (K ₂ O)	25
Extra Ingredients :	
Water soluble Sulfur Trioxide (SO ₃)	42 %
pH : 8-11	



PowerFull+AS

FEATURES & BENEFITS

- PowerFull + AS, is a composition of Nitrogen (N), Phosphorus(P), Potassium(K), as well as the source of a strong and effective trace elements.
- PowerFull+AS, is a product specially developed to resolve the lack of macro and micro nutrients for the fruit orchards, pistachios, olives, greenhouse and open field vegetables and industrial crops in the fields.
- PowerFull +AS, is a solid fertilizer well-designed and balanced with Macro and micro elements adding extra ingredients for strong and healthy plants and is aimed to obtain the best results at the agricultural applications.

PowerFull + AS ;

- Contributes to the formation of the strong and resistant cell walls and vascular system of the plant. Therefore, PowerFull+AS reduces preharvest fruit drop losses.
- Provides for the proportional and balanced growth for the green parts of plants, flowers and fruits.
- Provides a positive contribution to productivity by encouraging flowering and fruit setting.
- Improves the quality of flowers and fruits.
- Contributes to the development of the plant root.
- Increases the amount of sugar in fruit.

PRODUCT CLASS COLLATED NPK FERTILIZER

FORM: POWDER

STORAGE TEMPERATURE: +4 / +40 °C

PACKAGING: : 1 Kg - 5 Kg – 10 kg



COMPOSITION	
GUARANTEED CONTENTS	W/W %
Total Nitrogen (N)	9
Ammonia Nitrogen (NH4-N)	4
Nitric Nitrogen (NO3-N)	2
Ureic Nitrogen (NH2-N)	3
Water Soluble Phosphorus Pentaoxid (P2O5)	18
Water Soluble Potassium oxid (K2O)	10
Water Soluble Magnesium Oxid (MgO)	2
Water Soluble Boron(B)	1
Water Soluble Iron(Fe)	3
Water Soluble Manganese(Mn)	1
Water Soluble Molybdenum(Mo)	0,04
Water Soluble Zinc(Zn)	2
Extra Ingredients: Natural Growth promoters and special natural additives etc.	

APPLICATION METHODE AND DOSE

CROPS	APPLICATION PERIOD	BY FOLIAR	DRIP IRRIGATION
CITRUS	Before flowering	100 gr/ 100 L water	0,5-1 kg/ da (for 20-25 trees)
	After pouring 80% flower	100-150 gr/ 100 L water	
	After fruit set	50 gr/ 100 L water	
FRUIT TREES	Before flowering	100 gr/ 100 L water	0,5-1 kg/da
APRICOT	Before flowering:	100 gr/ 100 L water	1 kg/ da
	After pouring 80% flower A month before harvest	150 gr/100 L water 100 gr/ 100 L water	
BANANAS	In prenatal period	200 gr/100 L water	
	In the postpartum period	250 gr/100 L water (sprinkler system)	
VINEYARDS	Before flower setting	50-75 gr / 100 L water	05-1 kg/ da
	At fruit set	50-75 gr / 100 L water	
	One month before harvest	50-75 gr / 100 L water	
PISTACHIO	After leaf formation	50-75 gr / 100 L water	1 kg/ da
	After the grains become wheat size	50-75 gr / 100 L water	
CORN, SUNFLOWER	When the plant is 45 cm	75 gr / da.	
COTTON	Before flowering	75 gr/ 100 L water	
	At start of Cotton bolls	75 gr/ 100 L water	
	45 days ago from harvest:	75 gr/ 100 L water	
OLIVE	During flowering:	50 gr/ 100 L water	1 kg/ da (for 20-25 trees)
	When the chick pea size 45 days ago from harvest:	50 gr/ 100 L water 50 gr/ 100 L water	
CABBAGE, CAULIFLOWER, PEAS, BEANS	2 applications: 4th-6th leaf period and 20th day after 2nd application	50 gr/ 100 L water	1 kg/ da
SUGAR BEET	3 app: At 4-6 leafed period and 2 application with 15 days intervals.	100 gr/ 100 L water	100 gr/da
ONION, GARLIC	At hoeing period	100 gr/ 100 L water	1 kg/ da.
	4-6 leaf period Hazelnut and walnut size period	100 gr/ 100 L water 150 gr/ 100 L water	
CEREALS (Wheat, Barley, Oats, Rye, Rye, Chickpeas, Lentils)	1st application: when the plant is 10 cm	50-100 gr/ 100 L water	
	2nd application: when the plant is 30-40 cm	50-100 gr/ 100 L water	
VEGETABLES	15 days later from planting	50-75 gr / 100 L water	0,5-1 kg / da.
	Before fruit set	50-75 gr / 100 L water	

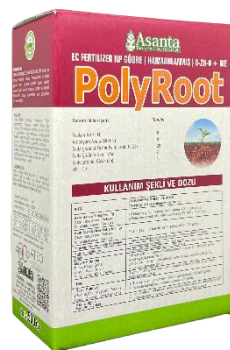
FOLIAR APPLICATION; General dose 50-100 gr / 100 lt water



PolyRoot

FEATURES & BENEFITS

- **PolyRoot;**
- Encourages absorber eave formation in root system.
- Provides positive effect on regrowth period after wound treatments in root system
- Cures soil structure in root region and improves chemical transaction while accelerating absorption of nutritional elements.
- Provides continuity on development, even in the negative climate conditions.
- Provides solution for the problems that been occured by false fertilization and irrigation methods.
- PolyRoot can be used all along the cultivation periods for stabilizing vegetative and generative development of plants in all kinds of negative conditions.



PRODUCT CLASS : COLLATED NP FERTILIZER
 FORM: POWDER
 STORAGE TEMPERATURE: +4 / +40 °C
 PACKAGING: 500 GR- 1 KG – 5 KG -10 KG

COMPOSITION

GUARANTEED CONTENTS	W/W %
Total Nitrogen (N)	8
Amonium Nitrogen (NH4-N)	8
Water soluble Phosphorous Pentaoxide (P2O5)	28
Water Soluble Iron (Fe)	2
Water Soluble Zinc (Zn)	5
pH : 5-6	
Extra Ingredients: Organic polyacids, Natural Growth promoters, vitamins and special natural additives etc.	

APPLICATION METHODE AND DOSE

CROPS	APPLICATION PERIOD and DOSE VIA SOIL - DRIP IRRIGATION
Greenhouse Vegetable Cultivation (Tomato, pepper, eggplant, Cucumber, melon, watermelon)	1- one week later after seedling transplant: 400- 500 gr/da 2- application to the root zone at the seedbed.:75-100 gr/100 lt water
Open field vegetables cultivation (Tomato, pepper, eggplant, Cucumber, melon, watermelon)	1- one week later after seedling transplant:: 400- 500 gr/da 2- during treatment, or after treatment in the fight against root diseases:: 500 gr/da.
Vegetables those with edible leaves	while the soil preparation or planting stage 400-500 gr/da
Tuberous Plants	One week later after having germination: 500 cc/da
Strawberries	One week later after having germination: 500 cc/da
FRUIT SEEDLINGS Apple, cherry, peach, pear, quince, apricot citrus fruits, bananas, olives	1- Applied during first watering after planting of saplings.:400-500 gr/da or per tree: 50 gr 2- Applied with the watering water at sapling development period.:400-500 gr/da. or per tree: 50 gr
Vineyards	while the soil preparation or planting stage 400-500 gr/da. Or per tree :10 gr
FIELD CROPS (corn,potatoes, Onion sugar beet, Soybeans etc.)	1. while the soil preparation or planting stage::400-500gr/da. 2,applied from soil with irrigation water at the first water: 500 gr/da
CUT FLORISTRY	1. Applied during first watering after planting of seedling: 400-500 gr/da 2. Application to the root zone at the seedbed: 50-75 gr/100 lt water



FEATURES & BENEFITS

- **POLYCROP** favours vegetative growth while inducing fruition, flowering and fruit fattening. It revitalizes the flower, allowing a greater air circulation between the petals and contributing to a more efficient transfer of pollen. Consequently, the percentage of fruit setting increases, together with its quality. As a result, the number and caliber of fruits to harvest is higher. Moreover, this fertilizer stimulates the physiological development of crops after an inactivity period.
- **POLYCROP** acts specially in flowering and fruit setting and increases yield and its quality. In conclusion, it has a positive effect on the productivity of the crop.
- **POLYCROP** can be applied especially to increase the production and to obtain homogenous flowers and better quality fruits.
- **POLYCROP** contributes to the formation of the strong and resistant cell walls and vascular system of the plant. Therefore, helps to reduce pre-harvest fruit drop losses.
- **POLYCROP** provides proportional and balanced growth for the flowers and fruits.
- **POLYCROP** provides a positive contribution to productivity by encouraging flowering and fruit setting

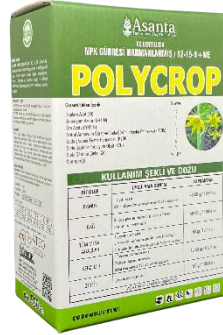
PRODUCT CLASS : BLENDED NPK FERTILIZER (12-15-9)+M.E.

FORM: POWDER

STORAGE TEMPERATURE: +4 / +40 °C

PACKAGING: 500 gr

POLYCROP



APPLICATION METHODE AND DOSE

CROPS	APPLICATION PERIOD	DOSE/ BY FOLIAR
COTON	1.before flowering 2.used 2-3 times before and after the formation of boll.	30- 60 gr/ 100 lt water
VINICULTURE	Advised 3-4 times application starting from 2-3 leaf formation with 10 days interval.	60 gr/ 100 lt water
FRUIT TREES	1.before flowering 2.during the growth period of the fruit (nut size) 3.Applied 2-3 weeks by starting a week before harvest.	60 gr/ 100 lt water
VEGETABLES	1.After planting of seedlings 2.During fruit set 3.During the harvest, applied with an interval of 2-3 weeks.	30-60 gr/ 100 lt water
OLIVE	Before and after flowering	60 gr/ 100 lt water

COMPOSITION

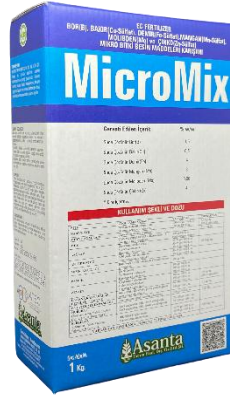
GUARANTEED CONTENTS	W/W %
Total Nitrogen (N)	12
Ammonia Nitrogen (NH4-N)	11
Ureic Nitrogen (NH2-N)	1
Water soluble Phosphorus pentaoxid (P2O5)	15
Water soluble Potassium oxide (K2O)	9
Water soluble Zinc (Zn)	3
Extra Ingredients: Natural Growth promoters, vitamins and special natural additives etc.	



MicroMix

FEATURES & BENEFITS

- MicroMix is based on iron, manganese, copper, zinc, boron and molybdenum chelated with Lignin Polycarboxylate. This product contains all the microelements necessary for the preparation of balanced fertilizers for application to crops such as horticultural produce, plants, fruit trees etc. This is a very stable product with a wide PH range and excellent compatibility with the majority of salts and complex fertilizers used for crops. In addition it does not present problems with phytotoxicity.
- MicroMix is applied from leaves and soil. Thanks to its Lignin Polycarboxylate chelate form, the plant receives these trace elements fast and equally.
- MicroMix is produced with the new technology. It can be applied in any period even when the blooming from the leaf happens. Thus, it avoids the lack of trace elements. By means of drip irrigation, it is possible to apply at all time, Zinc, Copper or Molybdenum.



PRODUCT CLASS : MIXTURE OF MICRO PLANT NUTRIENTS

FORM: POWDER

STORAGE TEMPERATURE: +4 / +40 °C

PACKAGING : 1-5-10 kg / bags

COMPOSITION	
GUARANTEED CONTENTS	W/W %
Water soluble Boron(B)	1,5
Water soluble Copper(Cu)	0,5
Water soluble Iron (Fe)	4
Water soluble Manganese (Mn)	3
Water soluble Molybdenum(Mo)	0,06
Water soluble Zinc (Zn)	4
Extra Ingredients: vitamins and special natural additives etc.	

APPLICATIONS & DOSE

CROPS	APPLICATION PERIOD	BY FOLIAR	BY SOIL
CITRUS	After pouring 80% flower:	100-150 gr/ 100 L water	1,5 kg/ da (for 20-25 trees)
	To the green parts after harvest:		
FRUIT TREES	Before flowering	100 gr/ 100 L water	1-1,5 kg/da
BANANAS	Applied after flower poured petals. Made two application at 15 days intervals.	300 gr/100 L water (sprinkler system)	
VINEYARDS	At exclusive flower set:	50-75 gr / 100 L water	05-1 kg/ da
	At fruit set:	50-75 gr / 100 L water	
	One month before harvest:	50-75 gr / 100 L water	
PISTACHIO	After 80%defloration:	50-75 gr / 100 L water	
	After the grains become wheat size:	50-75 gr / 100 L water	
CORN, SUNFLOWER	When the plant is 45 cm (at last harvest of tractor)	100 gr / da.	
COTTON	Before flowering	100 gr/ 100 L water	
	At start of Cotton bolls 45 days ago from harvest:	100 gr/ 100 L water	
OLIVE	During flowering:	100 gr/ 100 L water	1,5 kg/ da (for 20-25 trees)
	When the chick pea size	100 gr/ 100 L water	
	45 days ago from harvest:	100 gr/ 100 L water	
CABBAGE,CAULIFLOWE R, PEAS, BEANS	Applied at 4-6 leaves stage. Repeated with same dosage if necessary.	100 gr/ 100 L water	1,5 kg/ da
POTATOES, SUGAR BEET	After green component has come over the soil	100 gr/ 100 L water	1 kg/ da.
CEREALS (Wheat, Barley, Oats, Rye, Chickpeas, Lentils)	1st application: when the plant is 10 cm	75-100gr/ 100 L water	
	2nd application: when the plant is 30-40 cm	75-100gr/ 100 L water	
VEGETABLES	15 days later from planting:	50-75 gr / 100 L water	0,5-1 kg / da.
	Before fruit set:	50-75 gr / 100 L water	

FOLIAR APPLICATION; General dose 75-100 gr / 100 lt water



MicroFer 13+AS

FEATURES & BENEFITS

MicroFer 13 + AS ;

- It is an "Organic chelated" iron that does not disrupt the chemical structure of the soil and is produced with a special molecular coating method developed by our company.
- It contains high amounts of organic chelated iron in a form that can be easily absorbed into the plant body.
- It eliminates chlorosis that occurs in the plant due to iron deficiency.
- It can be applied from soil and leaves.
- It can add nutrients present in the soil to the plant body.



COMPOSITION	
GUARANTEED CONTENTS	W/W %
Water soluble Iron (Fe)	13
pH stability interval : 3 - 9	
Extra Ingredients: Organic chelating agents and special natural additives etc.	

PRODUCT CLASS : IRON SALT (CONTENT: IRON SULFATE)

FORM: POWDER

STORAGE TEMPERATURE: +4 / +40 °C

PACKAGING: 1-5-10 kg / bags

APPLICATION METHODE AND DOSE		
CROP	APPLICATION PERIOD	DOSE
Horticulture crops (Such as tomato, pepper, eggplant, cucumber, squash, lettuce, arugula, watercress, parsley, etc.)	Used 3-4 application from flowering to harvest by foliar.	50-100 gr/100 Lt. water
Fruit Trees (Such as Citrus fruits, apples, pears, cherries, cherry, plum, peach, apricot, quince, pomegranates, nuts etc.)	Used after flowering by foliar, while the fruit is walnut-sized.	50-100gr/100 Lt. water
Field Crops (Cereals, fodder crops, medicinal and aromatic plants, industrial plants,)	Used by foliar ,when the plants is 15-20 cm size and after 20 days	80-120 gr/100 Lt. water
Cut flowers, ornamental plants (Rose, carnation, gerbera, tulips, narcissus, chamomile, etc.)	Used one application by foliar in every 15-20 days at the beginning of tillering.	80-120 gr/100 Lt. water
Lawn, gardens and parks (grass and green areas, garden)	Applied once a month by foliar at the growth period.	50-100 gr/100 Lt. water
Vinegrowing (Table grapes, dried grapes, wine grapes,)	Applied by foliar at the period of shoot, grain formation and after 20 days.	100-200gr/100 Lt. water
Banana	Made 2 applications by starting at the growth period by foliar.	100-150 gr/100 Lt. water



Ferrolin EDTA %6

FEATURES & BENEFITS

Ferrolin EDTA %6 ;

- It is a fertilizer containing EDTA chelated iron in a form that can be taken by leaves and roots quickly and easily, which can be used in periods when needed to meet the Iron (Fe) needs of plants and to eliminate its deficiency.



COMPOSITION	
GUARANTEED CONTENTS	W/W %
Water soluble Iron (Fe)	6
Chalated Iron (Fe) with EDTA	6
Stable pH range of EDTA Chelate for Fe: 3-11	

PRODUCT CLASS : IRON CHELATE – EDTA
FORM: POWDER
STORAGE TEMPERATURE: +4 / +40 °C
PACKAGING: 1-5-10 kg / bags

APPLICATION METHODE AND DOSE				
CROP	APPLICATION PERIOD	APP. NUMBER	BY FOLIAR Gram/dekar (100 lt.water)	By DRIP IRRIGATION Gram/dekar (1 ton water)
Tomato, Pepper, Eggplant, Cucumber, Pumpkin, Melon, Watermelon	From planting seedlings, up to 15-20 days before harvest	Weekly	75-100 gr/da.	200-250 gr/da.
Leaf Vegetables edible: lettuce-curly-cabbage and so on.	Beginning before the 5th leaf opens	Weekly	75-100 gr/da.	200-250 gr/da
Strawberry	During the development period when the fruit started to color, when the deficiency was seen.	Weekly	75-100 gr/da.	150-200 gr/da.
Vineyard, Kiwi	From the beginning of the shoot formation.	3-4 application	75-100 gr/da.	100-150 gr/da.
Banana	1. when the new sprouts are seen. 2. During the development period 3. When the deficiency is seen.	3-4 application	200-250 gr/da.	300-350 gr/da
Citrus	1. 10-15 days before flowering 2. After 2 months, 2nd application 3. During the development period 4. when deficiency is seen	3-4 application	100-150 gr/da.	200-250 gr/da
Cherry, Cherry, Peach, Kayseri, Plum, Apple, Pear, Olive, Pistachio- Hazelnut- Walnut	1. After the start of the new sprouts 2. During the development period 3. When the deficiency is seen	3-4 application	75-100 gr/da.	200-250 gr/da
Cotton	1. At the beginning of flowering 2. Before cocoon formation	2 application	100 gr/da. 150 gr/da.	200-250 gr/da
Corn-Sunflower- Wheat and Barley-Rice	1. Before the tillering 2. In the stalk elongation period.	2 application	100 gr/da. 150 gr/da.	200-250 gr/da
Potato-Sugarbeet	Tuber enlargement period	2 application	75-100 gr/da.	200-250 gr/da
Carrot-Onion- Garlic	From when plants are 5-6 leaves	2 application	75-100 gr/da.	200-250 gr/da
Green areas- Cut Floristry	During the development period , when iron deficiency appeared.	2-5 application	100-150 gr/da	200-250 gr/da

IT IS RECOMMENDED TO USE FERTILIZER BY MAKING SOIL AND / OR LEAF ANALYSIS.



Ferrolin Liquid

FEATURES & BENEFITS

Ferrolin Liquid;

- The most usual cause of the ferric chlorosis is the low Iron content in soil, or the iron is not assimilated by plants, situation that is presented in soils with high pH, high phosphorus, manganese, zinc, copper or molybdenum.
- It is formulated for Ferric Chlorosis corrector.
- By its complex chemical structure, plants can absorb and use the iron affectively.
- Required for healthy plant growth and chlorophyll production.
- Supports the plant with needed amino acids and peptides and saves the biological energy required for their synthesis.
- Supports plant resistance to stress.
- Its use prevents and corrects any iron deficiency in crops.
- Overcomes iron deficiency in a short time in any type of soil.



COMPOSITION	
GUARANTEED CONTENTS	W/W %
Water Soluble Soluble Iron (Fe)	6
pH : 1,5-3,5	
Extra Ingredients :Amino acid , Seaweed extracts etc.	

PRODUCT CLASS : FERROUS FERTILIZER SOLUTION (CONTAINING IRON SULFATE)

FORM: LIQUID

STORAGE TEMPERATURE: +4 / +40 °C

PACKAGING: 1 LT - 5 LT – 20 LT



APPLICATION METHODE AND DOSE

CROP	APPLICATION PERIOD	VIA FOLIAR (with 100 lt water)	VIA DRIP IRRIGATION
VEGETABLES; Tomato, Pepper, Eggplant, Cucumber, Zucchini, Bean, Pea, Okra, Artichoke etc.	3-4 applications starting one week after the seedlings are transplanted until the fruit ripens.	100-150 cc	250-400 cc/da.
WINTER VEGETABLES THAT EAT LEAF; Lettuce- Curly-Cabbage, Leek, Spinach etc.	Throughout the season with an interval of 15 days from the seedling period.	100-150 cc	350-500 cc/da.
TUBEROUS PLANTS; Sugar Beet, Onion, Garlic, Potato, Turnip, Carrot, etc.	During the season with 21 days intervals after the second anchor	150-200 cc	350-500 cc/da.
FRUIT TREES; Apple, Pear, Apricot, Almond, Plum, Cherry, Quince, Peach, Pomegranate, Fig, Olive etc.	2-3 applications until fruit setting, growing and before harvest	150-200 cc	500-600 cc/da. or 50 cc/tree
Strawberry, Raspberry, Blueberry	2-3 applications during pre-flowering and fruit setting period	100-150 cc	250-400 cc/da..
Hazelnut, Pistachio, Walnut, Almond	2-3 applications before flowering, fruit set, fruit growth and pre-harvest	150-200 cc	500-600 cc/da. or 50 cc/tree
Banana	2-3 applications before and after fruit formation	150-200 cc	500-600 cc/da. or 50 cc/tree
Viticulture (Grape)	2-3 applications during the fruit setting, growing and coloring period	150-200 cc	400-500 cc/da. or 10 cc/omca
Melon, Watermelon, Pumpkin	During the season with an interval of 21 days after the second anchor.	150-200 cc	500-600 cc/da
LEGUMES; Chickpeas, Lentils, Beans, Soybeans, Peanuts	2-3 applications with 21 days interval after the second hoe.	150-200 cc	500-600 cc/da
INDUSTRIAL PLANTS; Cotton, Corn, Tea, Sunflower, Canola, Tobacco	2-3 applications with 21 days interval after the second hoe.	150-200 cc	500-600 cc/da
CEREALS, FIELD CROPS Wheat, Barley, Paddy, Lentil, Chickpea etc.	2-3 applications at 15-day intervals, together with herbicide and during and after tilling.	150-200 cc	----
GREENFIELD AND FEED CROPS; Clover, Sainfoin, Fig, etc.	Applied after 10 days of each cut.	150-200 cc	-----
CUT FLOWER	Weekly application during the foliation period and afterwards throughout the season.	100-150 cc	250-400 cc/da.



FEATURES & BENEFITS

Bor-Ca ;

- Bor-Ca, is a plant nutrition formula in liquid form that contains pure form of calcium (Ca) and boron (B).
- It has a formula that can be easily absorb by leaves and roots, acting on the nutritional balance of plants.
- Helps to create an hard and stiff structure on fruit and to extend the life of fruit storage.
- Helps to gain physical strength to the plants during adverse conditions.
- Its most important applications are used :
 - to regulate of hybrid imbalances which lead to apical rot in tomatoes, cucumbers and peppers.
 - to prevent mottling in tomatoes, mal de corazón in beet, bitter-bit in apples.
 - to prevent cracking in cherries and nectarines.
 - to act against Foliar Necrosis in crucifers (Chinese cabbage, lettuce etc.).

PRODUCT CLASS : BORON-CALSIK DEFICIENCIES CORRECTOR
 FORM: LIQUID
 STORAGE TEMPERATURE: +4 / +40 °C
 PACKING: 1 Lt- 5 Lt- 20 Lt- IBC

Bor-Ca



APPLICATION METHOD AND DOSE

CROP	Via SOIL	Via FOLIAR
Greenhouse Vegetables (Tomatoes, peppers, eggplants, cucumbers, beans, peas)	One treatment every 15 days by drip irrigation 1,5-2 lt/da.	300 - 400 cc/100 lt water
Open Area Vegetables (Tomatoes, peppers, eggplants, cucumbers, beans, peas)	One treatment every 15 days by drip irrigation 1,5-2 lt/da.	300 - 400 cc/da.
Strawberries	One treatment every 15 days by drip irrigation 1,5-2 lt/da.	300 - 400 cc/100 lt water
Melon, Watermelon, Pumpkin	One treatment every 15 days by drip irrigation 1,5-2 lt/da.	300 - 400 cc/100 lt water
Fruit Trees	One treatment every 15 days by drip irrigation 1,5-2 lt/da.	300 - 400 cc/100 lt water
Vine	One treatment every 15 days by drip irrigation 1,5-2 lt/da.	300 - 400 cc/100 lt water
Industrial Crops	One treatment every 15 days by drip irrigation 1,5-2 lt/da.	300 - 400 cc/da
Ornamental plants	One treatment every 15 days by drip irrigation 1,5-2 lt/da.	300 - 400 cc/100 lt water

COMPOSITION

GUARANTEED CONTENT	W/W %
Water Soluble Calcium Oxide (CaO)	15
Water Soluble Boron (B)	1
pH : 6,5-7,5	
stabil pH interval : 3 - 9	
Density 1,35 gr/cc.	



Boreton

FEATURES & BENEFITS

Boreton ;

- Boron is an element which directly effects flower and pollen quality of plants. It provides elasticity in cell wall and eliminates the grain deficits of the plant and fruit. Also it helps to carry other elements to plant structure. It can help to make homogenous fruits.
- BORETON is a product which manufactured with advanced technological techniques and filled with special batch materials and contains 150 g/l Boron (Boron Ethanol Amin sourced). It can be used either with drip irrigation or spraying.
- BORETON can be mixed with plant protection materials and other plant nutritions. It penetrates to plant structure very fast and heal the deficiency in the same time. It can help to make homogenous fruits.



APPLICATIONS METHODE AND DOSE

CROPS	Via FOLIAR	Via SOIL (DIRRIP IRRIGATION)
Fruit trees	100-150 cc / 100 lt water	7-10 lt / week
Horticulture	100-150 cc / 100 lt water	500 cc / da
Vineyards	150-250 cc / 100 lt water	3-5 lt. / week
Olive	300-500 cc / 100 lt water	7-10 lt./ week
Sugar beet	300-500 cc / 100 lt water	5-7 lt. / week
Floriculture	100-150 cc / 100 lt water	500-700 cc / da
Carnation	100-150 cc / 100 lt water	500 cc / da

PRODUCT CLASS : BORON ETONOL AMIN

FORM: LIQUID

STORAGE TEMPERATURE: +4 / +40 °C

PACKING: 1 Lt- 5 Lt- 20 Lt- IBC

COMPOSITION

GUARANTEED CONTENTS	W/W %
Water soluble Boron (B)	11
Density: 1,42 gr/cc	
pH : 7- 8	



Terasol-Ca Plus

FEATURES & BENEFITS

- Terasol-Ca Plus ; is a special Calcium based fertilizer which aims at allowing the plant to take and absorb the necessary nutritional micro elements, helping and relaxing the plants' roots and creating new roots and root branches
- Terasol-Ca Plus ; Due to its easy absorption and Calcium content, it is an effective product to provide the urgent need in Calcium by foliar application.
- Terasol-Ca Plus ; due to its organ-mineral compounds, it has a positive action against chlorine (Cl-) and other toxic salts of sodium as carbonates and bicarbonates (CO₃= y COH-).
- It improves permeability and structure of soil saline-sodium affected by degrading of salt with high concentration of cation Sodium(Na+)
- It acts in water-soil-plant avoiding plasmolysis of root cell, to move anions toxic saline, minimizing harmful effects.
- It provides easy circulation of air and water in soil.
- It avoids formation of scab and crack in saline soil.



APPLICATIONS METHODE AND DOSE

CROPS	APPLICATION PERIOD	Via SOIL	Via FOLIAR
Vegetable (Greenhouse) (Tomatoes, pepper, eggplant, Cucumber, melon, watermelon, Onions, strawberries, beans)	after transplanting of the seedling, 1 week later. at first flowering period after the first fruit fall after the first harvest.	1500-2000 cc/ da 1500-2000 cc/ da 1500-2000 cc/ da 1500-2000 cc/ da	100cc/100 lt water 150cc/100 lt water 150cc/100 lt water 100cc/100 lt water
Vegetables(open field) (Tomatoes, pepper, eggplant, Cucumber, melon, watermelon, Onions, strawberries, beans)	1 week after flowering at first flowering period after the first fruit fall after the first harvest.	1500-2000 cc/ da 1500-2000 cc/ da 1500-2000 cc/ da 1500-2000 cc/ da	150cc/100 lt water 200cc/100 lt water 200cc/100 lt water 150cc/100 lt water
Citrus fruits, Banana and Olive	In the beginning of flowering 15 days after fruit fall 20 days before harvest	1500-2000 cc/ da 1500-2000 cc/ da 1500-2000 cc/ da	200cc/100 lt water 200cc/100 lt water 200cc/100 lt water
Fruit Trees (Apple, pear, apricot, quince, Cherry, peach, walnut)	In the beginning of flowering 15 days after fruit fall 20 days before harvest	1500-2000 cc/ da 1500-2000 cc/ da 1500-2000 cc/ da	100cc/100 lt water 150cc/100 lt water 150cc/100 lt water
Field Crops (Soybean, Barley, Wheat, chickpeas, lentils)	When the plants of 20-25 cm Milk formation period	1500-2000 cc/ da 1500-2000 cc/ da	200 cc/ da 250 cc/ da
Industrial crops (Corn, potatoes, sugar beet)	while plants 3-5 leaves. 10 days after tuber occurs. 20 days after the second fertilization	1500-2000 cc/ da 1500-2000 cc/ da 1500-2000 cc/ da	200cc/100 lt water 250cc/100 lt water 200cc/100 lt water

PRODUCT CLASS : CALCIUM CHLORIDE SOLUTION

FORM : LIQUID

STORAGE TEMPERATURE: +4 / +40 °C

PACKAGING : 1 Lt- 5 Lt- 20 Lt- IBC

COMPOSITION

GUARANTEED CONTENTS	W/W %
Water soluble Calcium Oxide (CaO)	12,5
pH : 2-4	
Density : 1,3 gr/cc	
Extra Ingredients: Carboxyl group organic acids, amino acids etc.	



Break-Salt

FEATURES & BENEFITS

Break-Salt ;

- Break-Salt; is a special Calcium based fertilizer which aims at allowing the plant to take and absorb the necessary nutritional micro elements, helping and relaxing the plants' roots and creating new roots and root branches.
- Break-Salt; Due to its easy absorption and Calcium content, it is an effective product to provide the urgent need in Calcium by foliar application.
- Break-Salt, due to its organ-mineral compounds, it has a positive action against chlorine (Cl-) and other toxics salts of sodium as carbonates and bicarbonates (CO₃= y COH-).
- It improves permeability and structure of soil saline-sodium affected by degrading of salt with high concentration of cation Sodium(Na+)
- It acts in water-soil-plant avoiding plasmolysis of root cell, to move anions toxic saline, minimizing harmful effects.
- It provides easy circulation of air and water in soil.
- It avoids formation of scab and crack in saline soil



APPLICATION METHODE AND DOSE

CROPS	DOSE
Horticulture	0.5 - 1 lt./da/week. 1st application : 1,5-2 lt./da.
Fruit trees	10 lt/da: 50% applied as a basic application and the remaining in subsequent applications.
Citrus	15 lt/da (during season)
Bananas ,Tropical	20 lt/da (during season)
FOLIAR APPLICATION DOSE : 300 cc/ 100lt water	

COMPOSITION

ACTIVE CONSTITUENT : Carboxyl group organic acids, amino acids, Calcium (Ca) etc.

PRODUCT CLASS : SALINITY CORRECTOR, LIME REMOVER , pH REGULATOR
FORM : LIQUID
STORAGE TEMPERATURE: +4 / +40 °C
PACKAGING : 1 Lt- 5 Lt- 20 Lt- IBC



DIOACTIVE

FEATURES & BENEFITS

- DIOACTIVE, is a special product designed from organic oils and from organic acids carried by a polar solvent what makes of the product an excellent treatment enhancer due to the capacity of reducing leaves superficial tension thus improving nutrients and pesticides uptaking by the plant.
- DIOACTIVE is a contact miticide and insecticide, derived from botanical plant oils and extracts. As such complete coverage of plants is important. Dioactive controls phytophagous mites, eggs and nymphs. And it controls other piercing sucking insects, including aphids, mealy bugs, scale crawlers, trips, red spider and white flies.
- Enhances the fertilizer and pesticides absorption capability of the plant leaves by cleaning the surface and opening the stomas on the leaves before a fertilizer application through foliar. Fertilizers and pesticides will bond with the plant and last longer and spread evenly. It will cover the plant like a layer of film. This film layer protects the fertilizers and pesticides from physical effects like evaporation, rain, wind etc.
- Prevents them from damaging the leaves by concentrating on a single area.
- Increases the overall effectiveness of the fertilizers and pesticides.



APPLICATION METHODE AND DOSE

CROPS	When used in combination with pesticides;	When used alone;
	Via FOLIAR	Via FOLIAR
Greenhouse and open field Vegetables	75-100 cc/ 100 lt water.	150-200 cc/ 100 lt water.
Fruit Trees	100-125 cc / 100 lt water.	200-250 cc / 100 lt water.
Strawberry	75-100 cc/ 100 lt water.	150-200/ 100 lt water.
Industrial Crops	100-125 cc/ 100 lt water.	200-250 cc/ 100 lt water.
Field Crops	100-125 cc/ 100 lt water.	200-250 cc/ 100 lt water.
Ornamental Plants	Small-sized; 40-50 cc/ 100 lt water.	Small-sized; 50-75 cc/ 100 lt water.
	Medium sized; 60-75 cc/100 lt water.	Medium sized; 120-150 cc/100 lt water.
	Oversized; 75-125 cc/ 100 lt water	Oversized; 150-250 cc/ 100 lt water

COMPOSITION

ACTIVE CONSTITUENT : 800 gr/L EMULSIFIABLE BOTANICAL OILS
AND ORGANIC EXTRACTS

PRODUCT CLASS : MIXTURE OF BOTANICAL OILS
FORM : LIQUID
STORAGE TEMPERATURE: +4 / +40 °C
PACKING: 500 CC- 1 LT



FEATURES & BENEFITS

- Bio -Teradot is a formula that uses only natural ingredients to create a unique pesticide alternative that kills by contact and systemic effect.
- Bio-teradot maintains a preventive and curative action for the plants against many soil insects, nematodes and fungi with in natural organic ingredients derived from plant extracts and mixed oils.
- Bio-Teradot is a broad spectrum natural fungicide and nematicide that you can spray at the first sign of a fungus or bacteria problem. It can be applied anytime throughout the growing season. It can also be used as a seed treatment or a root dip.
- Bio- Teradot does not burn plants and no residue and no threat of phytotoxicity.

Pests Controlled:

Kills and controls soil nematodes, fungus and insects.

•**Parasitic nematodes, including:** Meloidogyne spp. (Root-knot) Tylenchus, Pratylenchus, Xiphinema, Criconemoides, Hoplolaimus, Belonolaimus, Helicotiyenchus and Paratylenchus.

•**Soil borne fungi, including:** *Alternaria, Botrytis, Fusarium, Phytophthora, Pythium, Rhizoctonia, Sclerotinia*

•**Bacteria :** *Corynebacterium, Erwinia, Pseudomonas, Xanthomonas*

•**Insects in the soil at the time of treatment, including:** Wire worms, Cut worms and White grubs.

Target Crops

Tomatoes, Peppers, Strawberries, Watermelon, Muskmelon, Summer Squash, Winter Squash, Lettuce, Chard, Broccoli, Cauliflower, Cabbage, Carrots, Potatoes, Beets, Eggplant, Onions, Asparagus, Pineapples, Citrus, Deciduous Fruits, Grapes, Evergreens plus other Vines, Ornamentals, Other Flower, Herb, Vegetable, Fruit Crops, Shrubbery Lawns and Turfgrass.

PRODUCT CLASS : PLANT ORIGIN LIQUID ORGANIC FERTILIZER

FORM : LIQUID

STORAGE TEMPERATURE: +4/+35°C

PACKAGING : 1 Lt -5 Lt -20 Lt

Bulk Packing Available : 50 ltr -200 Ltr HDPE container and IBC

Bio-Teradot



COMPOSITION	
GUARANTEED CONTENTS	W/W %
Total Organic matter	24
Organic Carbon	9
Total Nitrogen (N)	1
Water soluble Potassium oxide (K2O)	1
pH	1-3
Extra Ingredients: Organic plant extracts, botanical essential oils etc.	

APPLICATIONS METHODE AND DOSE

CROPS	APPLICATION TIME	BY FOLIAR	BY SOLIAR (Drip irrigation)
All Greenhouse Vegetables (Tomato, Pepper, Eggplant, Cucumber, Bean, Strawberry, Banana, etc.)	It's applied with 10 days interval, from seedling planting until the end of harvest	500 cc/100 L water	2 - 2,5 L /da.
All Open Field Vegetables. (Tomato, Pepper, Eggplant, Cucumber, Bean, Tea, Strawberry, etc.)	It's made 2 application at intervals of 20 days until the end of harvest from the planting.	500-750 cc/100 L water	2 - 2,5 L /da.
All leaf edible vegetables (Cauliflower, Leek, Spinach, Lettuce, Curly lettuce, Iceberg lettuce, etc.)	It's made 2 application with 20 days interval until the end of harvest from the planting onwards.	500 cc/100 L water	2 L /da.
Melon, Watermelon, Squash, Radish, Onion, Carrot, Potato, etc.	It's apply 2 app. from planting onwards with 20 days interval.	500 cc/100 L water	2 - 2,5 L /da..
Fruit Trees: (Apple, Pear, Peach, Apricot, Quince, Cherry, Sour Cherry, Vineyard, Olive, Citrus, etc.)	Three applications are recommended: 1. Just before the bud and flowering 2. In fruit formation 3. Until the end of the harvest	400-500 cc/100 L water	2 - 2,5 L / da. Or per tree 150 cc / 100 L water / tree.
Pistachio, Nuts, Almonds, Walnuts	It's apply 2 app. from planting onwards with 15 days interval.	400-500 cc/100 L water	1,5-2 L /da.
All open field crops (Wheat, Barley, Rice, Chickpeas, Lentils, etc.)	Two application are made; 1.st app: together with herbicide 2nd app: during tillering period.	400-500 cc/100 L water	1,5-2 L /da..
All industrial plants (Sugarbeet, Groundnut, Corn, Soybean, Tobacco, Cotton, Sunflower, etc.)	It's made 2 app.with 20 days interval after the plants are 5-10 cm in height onwards.	400-500 cc/100 L water	2 - 2,5 L /da..
Cut flowers and Ornamental plants	It's made 2 app. with 15 days interval until the end of harvest from the planting onwards.	500 cc/100 L water	1,5-2 L /da.



INERTOL B-10

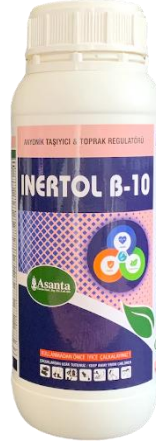
FEATURES & BENEFITS

Effect on Plants:

- Thanks to the beneficial microorganisms in its content, it provides the plant growth and development balance by secreting plant growth regulators (auxin, cytokinin and gibberellin), vitamins (B, C and E groups) and antifungal enzymes that are effective in the physiological period of plants. It makes plants resistant to stress, diseases and pests with the many beneficial microorganisms it contains.
- It maximizes the photosynthesis power of the plant with the photosynthesis bacteria it contains.
- It converts the free nitrogen of the air into nitrate and ammonium forms that can be used by plants. It enables the plant to benefit better from the plant nutrients in the soil.
- It ensures seed germination and the development of a very strong root system in the plant.
- It encourages flowering by increasing the solubility of phosphate, which is in the soil but in the form that cannot be taken by plants, with its beneficial microorganism content.
- In the plant, it increases flowering, sprouting, encourages fruiting and maturation, supports the plant at every stage of the plant's development processes. Therefore, it provides maximum yield and quality increase in the plant.
- It increases fruit flavor and positively affects the storage life of the fruit.

Effect on Soil:

- It balances the level of beneficial microorganisms in the soil.
- By arranging the soil, it ensures that the soil regains its natural form and health.
- It provides the circulation of oxygen, nitrogen-carbon dioxide-bad gases by allowing the hardened soils to completely dissolve and soften, aeration and breathing of the soil.
- It completely breaks down all organic residues (such as straw, straw, leaves, plant residues, animal reverses, etc.) in the field environment, transforms it into natural fertilizer, transforms the soil into humus, and ensures the formation of organic fertilizer and the plant can take it.
- It is also possible to destroy the residues formed in the products with the chemicals and poisons previously given to the plant, with the application of INERTOL B-10. In other words, it significantly reduces carcinogenic substances, heavy metals, in short, all residues that impair human health in the products.
- It can be applied to seed, soil and plant surface.



COMPOSITION

ACTIVE COMPONENT : Multifunctional carrier and useful active microorganism ingredients, enzymes, proteins etc.

Extra Ingredients: Organic plant extracts, vegetable oils and amino acids etc.

USAGE AND DOSAGE

CROPS	APPLICATION TIME		SOIL APPLICATION (DRIPIRRIGATION) Dekar(1000 m ²)
	APPLICATION TIME	FOLIAR APPLICATION (100 LITER WATER)	
VEGETABLES (Greenhouse, Open field) (Tomato, Pepper, Eggplant, Zucchini, Cucumber, Bean, Melon, Watermelon,	1st app.: 10-15 days after planting.		200 cc /da.
	2nd app.: In the green part development period.		200 cc /da.
	3th app.: During the fruit growing period.		200 cc /da.
TUBEROUS PLANTS (Sugar beet, Potato, Onion, Carrot etc.)	In the developmental period of the green part	100 cc/100 lt	
	During the fruit growing period	100 cc /100 lt	
	After the first anchor period	100 cc /100 lt	
PLANTS THAT EAT LEAF (Cauliflower, Leek, Spinach, Lettuce, Curly, Aysberg, etc.)	During tuber formation	100 cc /100 lt	
	In the 6-8 leaf stage		200 cc /da.
	10-15 days after planting seedlings		200 cc /da.
HARD SEED FRUITS (Olive, Cherry, Sour Cherry, Apricot, Peach, Plum Etc.)	In the developmental period of the green part		200 cc /da.
	In the period of 8-10 leaves	100 cc /100 lt	
	15-20 days before harvest	100 cc /100 lt	
SOFT SEED FRUITS (Apple, Pear, Quince, Date, Fig, etc.)	With the first irrigation water		200 cc /da.
	During the stuffing (fruit growing) period		200 cc /da.
	1st app.: Before flowering	100 cc /100 lt	
FRUITS WITH HARD SHELLS (Pistachio, Hazelnut, Almond, Walnut, Chestnut etc.)	2nd app.: 30 days before harvest	100 cc /100 lt	
	1st app.: in March or April		200 cc /da
	2nd app.: in May and June		200 cc /da
	1st app.: With the onset of foliation	100 cc /100 lt	
FIELD CROPS (Wheat, Barley, Paddy, Oat, Rye etc.)	2nd app: When the shoots are 15-20 cm	100 cc /100 lt	
	3th application: Fruits the size of small nuts	100 cc /100 lt	
	4th app.: 15-20 days after the third application	100 cc /100 lt	
INDUSTRIAL PLANTS (Peanut, Soy, Tobacco, Cotton, Sunflower, etc.)	In May or June (1 ton of water)		200 cc /da.
	1st app.: at the beginning of foliation	100 cc /100 lt	
	2nd app: when the fruits are the size of lentils	100 cc /100 lt	
COTTON	3rd application: in October	100 cc /100 lt	
	1st app.: At the beginning of tillering	100 cc /100 lt	
CORN	2nd app: 15-20 days after the first application	100 cc /100 lt	
	1st app.: With the first irrigation		200 cc /da
	2nd app: When the plant height reaches 15-20 cm		200 cc /da
PRODUCT CLASS : ANIONIC CARRIER & SOIL REGULATOR	1st app.: When plant heights are 15-20 cm	100 cc /100 lt	
	2nd app: When plant heights are 20-25 cm	100 cc /100 lt	
	At the beginning of carding		100 cc /da.
FORM : LIQUID	At the beginning of the cocoon period		100 cc /da.
	1st app.: In the period of 8-10 leaves		200 cc /da.
	2nd app: During the tasseling period		200 cc /da.
STORAGE TEMPERATURE: +4 / +40 °C	1st app.: In the period of 8-10 leaves	100 cc /100 lt	
	2nd app: When the plant is 50-60 cm tall	100 cc /100 lt	
PACKING: 1 LT			



Polywet

FEATURES & BENEFITS

Polywet;

- Polywet is a high quality spreader-adhesive in foliar applications which provides by homogenously spread and adhesive to the leaf surface of the fertilizers, pesticides, herbicides, insecticides, fungicides etc, and increase their effects for a long time and penetrate without leaving any residue on the plants. So, it provides high efficiency at the foliar applications.
- Polywet is a product from organic acid carried by a polar solvent what makes of the product an excellent treatment enhancer due to the capacity of reducing leaves superficial tension thus improving nutrients and pesticides uptaking by the plant.
- Polywet can also be used for the cleansing of the application machinery.
- Polywet is enhancing the fertilizer and pesticides absorption capability of the plant leaves by cleaning the surface and opening the stomas on the leaves before a fertilizer application through foliar. Fertilizers and pesticides will bond with the plant and last longer and spread evenly.
- Polywet will cover the plant like a layer of film. This film layer protects the fertilizers and pesticides from physical effects like evaporation, rain, wind etc.
- Polywet prevents them from damaging the leaves by concentrating on a single area.
- Polywet increases the overall effectiveness of the fertilizers and pesticides.



GENERAL APPLICATION DOSE

BY FOLIAR

Along with foliar fertilizers and plant growth regulators.	50 cc /100 lt water
Along with Insecticides, fungicides and herbicides	50 cc /100 lt water
Cleaning of pesticide application equipment.	50 cc / 100 Lt. water

PREPARATION FOR USE:

First add the POLYWET into the water at the mixing tank and then the others materials at the following recommended doses and apply the solution prepared. It should be applied from the leaves.

CLEANING OF SPREYER:

The previously used sprayer is filled with water at the recommended doses of POLYWET and sprayed and emptied. The container is then filled with fresh water, left for one night and sprayed again.

ACTIVE INGREDIENT

ALKYLARYL POLYGLYCOL ETHER

PRODUCT CLASS : ADHESIVE-SPREADER NON-IONIC SURFACTANT

FORM: LIQUID

STORAGE TEMPERATURE: +4 / +40 °C

PACKAGING: 1 Lt- 5 Lt- 20 Lt- IBC

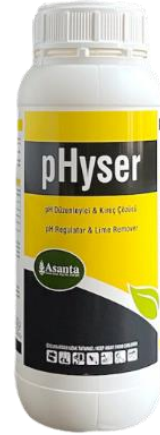


pHyser

FEATURES & BENEFITS

pHyser ;

- "pHyser" is an excellent product that is specially designed in order to bring to the ideal pH level of water and lime scale which are used for fertilizers, fungicides, insecticides and herbicides thus to increase the effectiveness of the fertilizers and pesticides .
- " pHyser" is a special product which is used as pH regulator and hardness remover for soil and water . It eases plant's absorption of the soil-bound nutritional substances.
- "pHyser" ,softens the water in the preparation of pesticides and fertilizers solution .It increases solubility. It removes the hardness of the water. It adjusts the pH of alkaline water. It ensures longer effectiveness of pesticides. Prevents clogging of drip pipe and allows the opening of clogged pipes.



APPLICATIONS AND DOSE

Firstly, is taken the application quantity of "pHyser" and is added to the main tank to be treated. It is allowed to come to the ideal pH conditions of the water for application by running of mixer, and then, the pesticides or fertilizers are added into the ready water for spraying.

Insecticides, Fungicides	50 cc/ 100 lt water
Herbicides	60 cc/ 100 lt water
Foliar fertilizers	40 cc/ 100 lt water

The amount of dose may be increased or decreased according to the proposal of Agricultural Engineer.

The doses used will change depending on the initial water pH.

By way of guidance for final solution pH between 5 and 6.5.

An initial 8.5-9.5 pH provide 150 cc/100 lts

An initial 7.5-8.5 pH provide 100 cc/100 lts

An initial 7 pH provide 75 cc/100 lts

PRODUCT CLASS : pH Regulator & Lime Remover

FORM: LIQUID

STORAGE TEMPERATURE: +4 / +40 °C

PACKAGING: 500 cc- 1 Lt- 5 Lt- 20 Lt- IBC

COMPOSITION

ACTIVE CONSTITUENT : Carboxyl group organic acids, mineral acids etc



www.asantatarim.com
social : asantatarim



Toprak Hazırlığından Hasada, "Asanta"

ASANTA TARIM ENDÜSTRİ DIŞ.TİC.LTD.ŞTİ

Çağlayan Mah. Barınaklar Bulv. Villa Güneş Apt. No:46/3 Muratpaşa/ANTALYA
Tel & Faks : +90 242 324 3499
web sitesi : www.asantatarim.com



Organic, Organomineral and Chemical
Plant Nutrition Products



ATSO ETİK ÜYE



designed by
görsel
fabrika
görsel tasarım bürosu
+90 (545) 643 71 11
info@gorselfabrik.com
www.gorselfabrika.com