




About Us

 IFTC started its activities in 1998 in producing fertilizers, soil correctors, growth stimulators and plant protection products from its natural sources, as part of  IFTC philosophy to provide the safe organic alternatives in plant nutrition and plant protection to maintain the balance in the soil and farm ecology, in the same time produce more natural and safe products with the highest productivity of unit area, the fact that gives these products more economical advantage for farmers. Our products cover all steps of the fertilization program starting from preplanting, growth stages, and ending with preharvest treatments including dual purpose (fertilization and plant protection) product.

 IFTC follow developments in plant nutrition and protection technologies to maintain providing growers the best advanced products to achieve its special slogan *ferti solutions from A to Z*

Our Vision

To be always a step ahead in technology and innovation of plant nutrition and to provide the fair balance between high crop productivity and consumer health.

Our Mission

To become a regional and international market leader in fertilization solutions and maintain long-term partnership with our distributors.





Organic Fertilizers



HUMUSOIL

Natural organic growth stimulator produced from Leonardite of plant origin 100%.

- *Stimulates and develops root system formation and increases cation exchange capacity (CEC).*
- *Increases the ability of roots to absorb elements.*
- *Boosts plant tolerance for different types of stress and diseases.*
- *Acts as a soil pH corrector and lowers the negative effect of salts.*
- *Disassembles heavy soil and increases the cohesion of soft sandy soil.*



Components (w/v):

Humic Acid	12.5%
Fulvic Acid	2.5%
Total Humic extract	15%

Application Rate:

Crop	Application rates & Timing	Expected results
Fruit trees	50 cm ³ per tree by fertigation or dissolved in 40 lit water, once every two weeks	More homogenous growth, better fruit size, color, quality and flavor
Vegetables	1 lit / donum by fertigation, once every two weeks	Better vegetative growth, bigger fruit size, color and quality
Ornamentals & lawns	20 cm ³ dissolve in 20 lit water, once every two weeks	Better vegetative growth, increases leaf area, improves flower quality and color
Field & forage crops	2-3 lit / hectare, repeat 3 times among the season	Growth integration, increases tillering, higher production

Hubest

Natural effective plant growth activator

Concentrated Humate powder produced from Leonardite of plant origin 100%.

- **Increases soil fertility and productivity , helps to create a balanced media and chelates the elements in the soil.**
- **Increases water holding capacity in soil , improves plant resistance capacity for drought and increases root system.**
- **Decreases the use of chemicals and fertilizers and increases root absorbability.**
- **Highest cation exchange capacity.**



Components (w/w):

Humic acid 85 %

(At dry matter basis)

Application Rate:

- Through fertigation:

Crop	Application rates & Timing
Vegetables	1000 -2000 gm / hectare, repeat 3- 4 time among the season
Fruit trees	20 gm / tree starting from flowering till fruit swelling, repeat 3 -4 times
Flowers	400 -500 gm / hectare , repeat once a week
For seed germination & root development	Soaking in 50 gm Hubest /10 lit water for half an hour

- For foliar application 50 – 75 gm / 200 lit of water.

Organorich 5-15-5+6 CaO+5%H.A

Treated organic fertilizer rich in elements & Humic acid.

- *Increases elements availability for plant and decreases the use of chemical fertilizers .*
- *Could be used manually or through spreaders .*
- *In addition to its naturally occurring elements , the added Phosphorus is obtained from bacterial decomposition of the rock Phosphate that ensures best availability of organic source.*
- *Maintains balanced physical , chemical as well as biological balance in the soil and avoids complex formation of compounds .*



Components (w/w):

Organic Matter	O.M	30-32 %
Organic Nitrogen	N	5 %
Phosphorus (Organic formed)	P ₂ O ₅	15 %
Potassium	K ₂ O	5 %
Humic acid		5 %
pH		6.5-7.5
Moisture		18-25 %
C : N Ratio		5:1 -6:1

Application Rate:

Crop	Dose	Application
Vegetables in open field & greenhouse	1000 -1500 kg /hectare	Apply on soil surface with recommended dose , then mix in homogenously
Fruit trees	1 -3 Kg / tree	Apply on soil surface around tree canopy
Field & forage crops	750 -1000 kg / hectare	-

Organofert

Treated Organic fertilizer produced from pure sources.

- Produced from decomposed organic matter.
- Restores nutrient balance especially for soils suffering from chemical complexes and stops the deterioration of soil properties.
- Rich in organic matter and humus that improve soil structure and increase C.E.C, thus increase the efficiency of element absorption, in addition to the reduction of chemical fertilizer consumption.
- Increases water holding capacity and ventilation.



Components (w/w):

Organic Matter O.M		40-45 %
Nitrogen	N	2.2-2.8 %
Phosphorus	P ₂ O ₅	0.8-1.2 %
Potassium	K ₂ O	1.5-1.8 %
Moisture		15-20 %
C : N Ratio		14:1-18:1
pH		7.0-7.5

Application Rate:

Crop	Dose	Application
Vegetables in open field & greenhouse	3000 -5000 kg /hectare	Apply on soil with recommended dose , then mix in homogenously
Fruit trees	3 -10 Kg / tree	Apply on soil surface around tree canopy, mild mix with soil
Field & forage crops	1500 -3000 kg / hectare	-

Marmarine Seaweed Extract

Is the natural fertility extracted from the Seaweed (*Ascophyllum nodosum*), which contains more than 60 macro and micro elements in addition to other compounds.

- Increases fruit size, gives it better appearance and maintains its natural flavor and aroma.
- Helps to improve root system thus their absorption ability for elements, restores nutrition balance for plant and stimulates their physiological system.
- Enhances flower initiation and pollination thus increases production and yield.
- Helps plant to tolerate stress conditions.



Components (w/v):

Organic Matter O.M	20-22 %
Growth regulators (Cytokinin)	400 ppm
Total amino acid	6.5 %

Application Rate:

a) Soil application: 10-20 lit / hectare, once every three weeks, through drip irrigation system.

b) As foliar application:

Crop	Application rates	Timing	Expected results
Vegetables	200-300 ml/200 lit water	1. After two weeks from seedling transferred 2. After two weeks from the first one 3. At bud and flower initiation	More growth, strong branches, homogenous fruit shape, more productivity and better tolerance for stress.
Field crops	200-300 ml/200 lit water	1. Stage 2-5 leaf 2. After two weeks from first one	Increase in tillering, stronger stem, less lodging protects spikes from early dehydration, more grain weight
Fruit trees	200-300 ml/200 lit water	1. Prior to flowering 2. After fruit set	More integrated growth, homogeneous fruit set, better fruit size and color.

Note: - Do not mix with oils.
- Do not mix with Sulfur and Copper based products.

Packing: 500 ml, 1Lit, 5 Lit

BLUE MAR

Marine Extract Fertilizer

Natural organic fertilizer extracted from fish.

- *Extracted by cold enzymatic disintegration at low pH ranges to keep the activity of natural components.*
- *Contains organic phosphorus from husks and fish bones which has the highest absorbability in addition to micro elements and Potassium from natural sources .*
- *Increasing the cation exchange capacity in soil , stimulates beneficial bacteria thus reflected positively on absorption, growth , quality , quantity and plant health .*
- *In addition to its rapid results , it maintains natural flavor in fruits and increases plant tolerance for diseases and stress conditions .*



Components (w/v) :

Organic marine extract		30%
Organic Nitrogen	N	2%
Phosphorus from organic source	P ₂ O ₅	1.5 %
Potassium from organic source	K ₂ O	3 %

In addition to Calcium , Magnesium , Iron , Zinc , Manganese , Copper , enzymatic and natural growth promoters.

Application Rate:

Direct addition to soil	<ul style="list-style-type: none">• 1-2 lit / donum• 10-20 lit / hectare
Foliar spray	<ul style="list-style-type: none">• 600-1000 ml/1000 lit water• 2-3 lit / hectare

MARiNE POWER

Is the natural fertility extracted from the Seaweed (*Ascophyllum nodosum*) , which contains more than 60 macro and micro elements in addition to other compounds.

- *Increases fruit size, gives it better appearance and maintains its natural flavor and aroma.*
- *Helps to improve root system thus their absorption ability for elements , restore nutrition balance for plant and stimulates their physiological system .*
- *Enhances flower initiation and pollination thus increases production and yeild*
- *Helps plant to tolerate stress conditions .*



Components (w/w):

Organic Matter	O.M	40 %
Algenic acid		10%
Potassium	K ₂ O	10 %

Application Rate:

Crop	Application rates	Timing	Expected results
Vegetables	100-150 ml/200 lit water	1. After two weeks from seedling transferred 2. After two weeks from the first one 3. At bud and flower initiation	More growth strong branches , homogenous fruit shape , more productivity and beter tolerance for stress.
Field crops	75-150 ml/200 lit water	1. Stage 2-5 leaf 2. After two weeks from first one	Increase in tillering , stronger stem , less lodging protects spikes from early dehydration , more grain weight .
Fruit trees	100-150 ml/200 lit water	1.Prior to flowering 2.After fruit set	More integrated growth , homogeneous fruit set , better fruit size and color.

- Note:**
- Do not mix with oils.
 - Do not mix with Sulfur and Copper based product.

HYPER ONE

Concentrated marine emulsion

- *Seaweed fertilizer which extract by enzymatic hydrolysis at low temperature.*
- *Contains higher concentration of organic matter, natural growth promoter, mono saccharide, alginic acid and manitol in addition to amino acids, each plays an important role in plant growth and development.*
- *Accelerates cell division, boosts growth and aids flower and fruit formation as well as lateral shoots.*
- *Increases fruit strength, improves plant resistant to diseases and tolerance to stress conditions.*



Components (w/v):

Organic Matter	O.M	25 %
Amino acids		2%
Potassium	K ₂ O	2.5 %
Seaweed extract		20%
Fulvic acid		10%

Application Rate:

Crop	Timing
Vegetables in greenhouses	Through fertigation :10-12 lit / hectare , once every two weeks
	By foliar spray : 1.5 lit / 1000 lit water , once every 3 weeks
Vegetables in open field	Through fertigation : 5-7 lit / hectare , once every two weeks
	By foliar spray : 1.5 lit / 1000 lit water
Citrus and olives	Through fertigation : At spring 20-25 lit / hectare
	By foliar spray : 2lit / 1000 lit water , twice among the season
Flowers and ornamentals	Through fertigation 5-7 lit / hectare , once every two weeks
	By foliar spray : 1.5 lit / 1000 lit water

Stallion Plant Growth Stimulator

- *Special fruit set solution for increasing production vegetable crops .*
- *improves fruit quality and helps the plant to resist stress conditions (Salinity , frost , high temperature) that have significant negative effect on yield .*



Components (w/v):

Organic matter 18%

Application Rate:

-Foliar application 1 ml /1 lit water :

Crop	Timing
Vegetables in greenhouses	Once every week after flower formation
Vegetables in open field	Once every 2 weeks after growth integration
Flowers & ornamentals	3 times among the season

Note: - Do not mix with other fertilizers or pesticides.

Soluamine

A group of amino acid based fertilizers, which act as natural chelated compound, to give growers large and integral choice of fertilizers in all stages of plant growth.

- Increase plant ability to absorb nutrient , increases photosynthesis efficiency and enhances plant to produce proteins .
- Helps plant to resist salinity .
- Increases production with healthy appearance.
- Increases plant resistance for diseases.
- Save energy , accelerate biochemical reactions and stimulate growth in general.



Application Rate:

Product	Composition(w/v)	Crop & Dose for all grades
Soluamine L-24	Total Amino Acids 24%, O.M 30%, N 3.8 %	Fruit Trees: 8 Lit/hectare repeat 5 times among the season.
Soluamine - 50	Total Amino Acids 12%,O.M 50%, N 8.5%, C 20%, S 1.1%, CaO 0.4%	Vegetables: 8 Lit/hectare repeat 5 times among the season (by foliar spray)
Soluamine - Macro	Total Amino Acids 12%, O.M 15%, N 10%, P ₂ O ₅ 5%, K ₂ O 8%	For all crops (In general) by foliar spray 300-400 ml / 200 lit water or 5 lit / hectare
Soluamine - Multi	Total Amino Acids 12%, Fe 2%, Mg 2%, Zn 1.5%, Mn 1%, B 0.5%, Mo 0.1%	

- Note:**
- Do not mix Soluamine with oils.
 - Do not mix Soluamine with Sulfur and Copper based product.

INTER CELL

The compound that enters the plant cell

- *Improves metabolic activities in plant.*
- *Helps the plant to tolerate stress conditions by enzyme formation and balance which helps plant for continue the biological processes.*
- *Quickly absorbed by leaves, and decomposed into functional amino acids.*



Components (w/v):

Acetyl-thioprolin (ATCA)		1 %
Total amino acid		20 %
Nitrogen	N	2 %
Fulvic acid		0.02 %

Application Rate:

Crop	Rate by foliar application
Vegetables	2-4 lit / hectare
Fruit trees	3-5 lit / hectare
Flowers	2-3 lit / hectare
Field and forage crops	2-2.5 lit / hectare

GLYFER

Amino Acid Chelated Iron Solution

- *Maintains green color for plant leaves and accelerate the photosynthesis.*
- *Acts as co-factor for chlorophyll functions , photosynthesis , respiration and protein formation.*
- *Produced in a procedure that keeps the natural effect of components .*



Components (w/v):

Amino acids & Organic acids	12.0 %
Chelated Iron	3.50 %
Cytokinin & Natural growth regulators	

Application Rate:

Crop	Time	Rate
Vegetables	After growth integration, repeat once every 2 week	3-4 Lit / hectare
Fruit trees	In spring flush , then repeat upon necessity	3-4 Lit / hectare
Ornamentals plants	Repeat once every 3 weeks	2-3 Lit / hectare
Field and forage crops	After plant integration, repeat 2-3 times among the season	1.5-3 Lit / hectare

WINCH Plant Biostimulant Activator & Soil Fertilizer

A special compound formulated to increase plant utilization from elements.

- *Acts as organic stimulator for plant functions and improves soil physical & chemical properties.*
- *Improves the vegetative and root growth through increasing absorption.*
- *It ensures best crops in terms of quantity and quality.*
- *Applicable for all crops through different irrigation systems.*



Components (w/v):

Organic matter	15%
Humic acid	3%
Polysaccharides	2%
Proteins , peptides and amino acids	13%
Vitamins	0.2%

Application Rate:

Crop	Timing	Rates (lit/1000 m ³)
Cucurbitaceae and solanaceae	From seedling to fruit set , once every 15-25 days	2-4
Citrus and grapes	Upon flowering	25-30
Almonds	After fruit set	25-30
Ornamentals	Before flowering and after seedling	4-6
Root crops and leafy	At stem elongation and bud formation	5

Anti Pit 10+Boron

Calcium supplement chelated by monocarboxylic acid with Boron.

- Acts as a bio stimulant and activates plant growth through enhancing formation of plant hormones like cytokinin which plays important role in cells division .
- Improves fruit quality and shelf life .
- Reduces alternate bearing especially in olive and some apple varieties .
- Since the Calcium is chelated on the shortest chain organic compound (Carboxyl) , that is simply and quickly absorbed either by roots or leaves .



Components (w/v):

Calcium	CaO	10.0 %
Boron	B	0.5 %

Plus vitamin b complex , Monosaccharides & Natural growth regulators

Application Rate:

Crop	Timing	Rate	Expected results
Field crops	Upon growth integration repeat once every 1 month	3-4 lit / hectare	Stem Elongation
Vegetables in greenhouses	Once after first fruit set, then repeat once every two weeks	600-800 ml / 200 lit water	Prevents fruit rot, accelerates growing tips, increases fruit firmness and shelf life
Fruit trees	Once every 2 weeks start from fruit set till seed formation in apples and seed hardening in almonds	750-1000 ml / 200 lit water	Prevent bitter bit in apples, prevents fruit cracking, increases shelf life
Olives	Once after three weeks after fruit set, then repeat twice among the season	450-500 ml / 200 lit water	Decreases alternate bearing and improves fruit quality for pickling

CUXYL 91

Copper Carboxylate Fertilizer

The high concentration Copper compound which guarantees highest efficiency.

- Contains Copper in the form that enables it to be absorbed through plant leaves.
- Cures copper deficiency symptoms and increases plant resistance.
- Acts also as a fungicide, besides its activity against bacteria.



Components (w/w):

Cu(C ₂ H ₃ O ₂) ₂ .H ₂ O		91 %
Organic Copper	Cu	31 %
Organic Carbon	C	24 %

Application Rate:

Crop	Rates (by foliar spray)	Rates (by fertigation)
Solanaceae family (tomato, pepper, potato, eggplant)	150-200 gm/200 lit water	1.00-2.00 kg/hectare
Cucurbitaceae family (cucumber, watermelon, melon, squash)	50-75 gm/200 lit water	0.75-1.00 kg/hectare
Grapes & citrus	150-200 gm/200 lit water	1.50-2.00 kg/hectare
Apples (during dormancy)	200-250 gm/200 lit water	1.50-2.50 kg/hectare
Almonds	150-200 gm/200 lit water	2.00-2.50 kg/hectare

- Notes:**
- Could be mixed with most pesticides and fertilizers except alkaline.
 - Could be mixed with winter oils to spray on deciduous fruits during dormancy.
 - Do not apply on apples during the growing season.

CUXYL Cu 70 SC

Suspension Copper compound contains Nitrogen + Carbon +Copper in organic form which are totally soluble in water.

- **Systemic compound, highly absorbed inside plant tissues.**
- **Protective and curative compound enhances and activate natural plant defenses against fungal diseases and bacteria.**
- **Contains amino acids and improves proteins and chlorophyll formation in plant.**



Components (w/v):

Nitrogen	N	1 %
Copper from organic carboxyl source	Cu	7 %
Organic carbon	C	14 %

Application Rate:

Crop	Rates (per 200 lit water)
Cucumber, squash, watermelon , melon	250-300 ml
Potato, tomato, eggplant	300-400 ml
Almonds and apples	400-500 ml
Citrus and grapes	400-500 ml
Could be used 5-7 lit /hectare in fertigation systems	

Mixing ability:

This Copper compound could be mixed almost with all fertilizer and pesticides except al ones or which contain Calcium , and also it could be mixed with winter oils to spray on trees during dormancy period , it is preferred to do simple test before spraying.

Enesal Enemy of salinity

Calcium compound on organic acids for treatment of saline soils and water.

- Is known as enemy of salinity, its activity is based on the higher affinity of Calcium ion in the clay complex the fact that enables it to attack and substitute Sodium ions attached to clay complex to make it leachable by irrigation water, it is formulated on carboxylic acid which maintain stability of Calcium in the soil solution.
- Reduces the negative effect from water Boron and Sodium, improve the physical properties of soil and its penetration , reduces osmotic pressure on root that lead to higher element absorption .
- In addition to its effect on salinity, it acts as an efficient Calcium fertilizer.



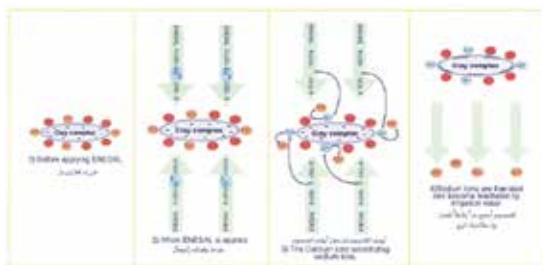
Components (w/v):

Poly carboxylic acid		40 %
Calcium	CaO	10 %

Application Rate:

	Total Dissolved Salts (TDS)	E C	Dose / 5m ³ of irrigation water
Saline water	600 – 1300 ppm	0.9 – 2.0	50 – 200 ml
	1300 – 2500 ppm	2.0 – 4.0	200 – 350 ml
	2500 – 4000	4.0 – 6.25	350 – 500 ml
Saline Soils	Heavy soils	Medium soils	Light soils
	40 – 60 lit / ha	30 – 40 lit / ha	15 – 30 lit / ha

How Enesal works ??



Note: Enesal is better recommended in drip irrigation .

PROTECATE

Insect bait attractant

Safe protein insect lure.

- Use as attractant for insects that belong to Order Diptera, which includes *Ceratitis Capitata*, *Dacus Oleae*, *Rhagoletis Completa*, *Bactrocera cucurbitae* and others.
- For control of Fruit fly in citrus, apricot, guava, pear, quince, olive, walnut, apricot and figs.



Components (w/v):

Protein Hydrolysate 24%

Application Rate:

Full spray	Dissolve Protecate by 200-250 ml / 20 lit water, mix with pesticides according to recommendation, once when the adult insect appears
Partial spray	Dissolve Protecate by 200-250 ml / 20 lit water and mix with Pesticides, though 25 % of the plants should be sprayed, for fruit tress, leave two rows then spray the half of third row, in the southern- eastern side, according to recommendation.
Bait attractant	Prepare a solution of Proteacte 5 % , put inside the bait and distribute among the field.

Note: Could be mixed with pesticide except Sulfur or Copper compound.

WHISPREAD

More & Long Lasting Activity

New generation of spreader and surfactant with long lasting activity.

- *Forms a thin film coating on leaf surface and synergizes the effect of pesticides.*
- *An economical choice for all sprays due to its low application rates.*
- *Acts as a mechanical defender , penetrating , surfacing & sticking agent.*



Components (w/v):

Polyether tri Silixonate	95 %
Silicon	72%
Organic matter	23%

Application Rate:

Mixed with foliar spraying solution 175-250 ml / 1000 lit water
Or 35-50 ml / lit water.



Inorganic Fertilizers



Hi-Cal *High Calcium Content*



A special formula that contains high content of Calcium in addition to Potassium, Nitrogen and Magnesium together with trace elements like Iron, Manganese, Zinc and Molybdenum.

- A unique grade of Calcium fertilizer that leads to strength cell wall of plant cells, thus improves crop quality and quantity.
- The best formula to avoid Calcium deficiency, especially in sensitive crops during successive production season.
- Could be applied through drip irrigation or foliar spray.

Components (w/v):

Nitrogen	N	16.0 %
Potassium	K ₂ O	9.0 %
Magnesium	MgO	3.0 %
Calcium	CaO	22.0 %
Iron	Fe	810 ppm
Manganese	Mn	490 ppm
Zinc	Zn	210 ppm
Boron	B	520 ppm
Molybdenum	Mo	20 ppm

Application Rate:

Crop	Time and dose by fertigation	Foliar (ml /200 lit water)
Vegetables	Start from true leaf appearance by 5 lit/ hectare, then increase gradually up to 20 lit / hectare weekly	250-300
Fruit trees	After fruit set, 50-100 ml / tree, but preferably added by foliar application	250-300
Field & forage crops	Twice among the season by 10-15 lit / hectare / dose	200-250

DIRECT

The Direct Uptake

Directly Absorbable fertilizer.

- A formula that ensures the balanced absorption of Nitrogen and Calcium with other elements which leads to normal vegetative growth.
- Helps in developing root, leaf, bud, flower & fruit as a result of efficient macro & micro elements absorption, thus increase in yield.
- Has the highest efficiency compared with similar products thanks to its balanced composition, as well as natural growth stimulators that keeps plant able to absorb Calcium ion in different crop stages.



Components (w/v):

Nitrogen	N	12.0 %
Calcium	CaO	12.0 %
Magnesium	MgO	2.0 %
Boron	B	0.67 %

Application Rate:

Crop	Application
Vegetables	40-50 Lit / hectare, repeat once every two weeks
Fruit trees	40 -50 Lit / hectare prior to bud swelling, repeat once every three weeks
Field crops	40 -50 Lit / hectare, repeat four time among the season

Ready Cal

The Ready Absorbable Formula of Fertilizer

Ready & easily absorbable formula, which contains Calcium, Nitrogen, Magnesium in addition to trace elements.

- *Contains special bio stimulants, which make balance between root growth and vegetative growth, thus leads to high increase in productivity and plant resistance.*
- *Could be added through fertigation or by foliar application.*
- *Contains special compounds that increase cation exchange capacity and improve absorption.*

Components (w/v):

Nitrogen	N	10.0 %
Calcium	CaO	13.0 %
Magnesium	MgO	3.0 %
Iron	Fe	0.4 %
Zinc	Zn	0.5 %
Boron	B	0.1 %

Plus natural bio stimulates for root growth



Application Rate:

Crop	Time and dose by fertigation	Foliar (ml/200 lit)
Vegetables	Start from real leaf appearing by 5 lit/ hectare, then increase gradually up to 10 lit / week	250-300
Fruit trees	After fruit set, 50-100 ml / tree, but preferably added by foliar application	250-300
Field & forage crops	Twice among the season by 10-15 lit / hectare	200-250

Dissoquene

Micronutrients compounds produced by reaction with organic chelating agent.

- Produced from pure sources of chelating agents to supply plants with their needs of micro nutrients.
- Highly effective since it formed at highest chelating percentage, besides it is free from oxides and salts.
- Stable in spray solution and formulated in a way that facilitate the absorption by plant leaves.



Dissoquene products:

Product	Components (w/w)
Dissoquene Combi	Fe 3.35 % (EDTA) , Mn 1.7 % , Cu 1.7 % , Zn 0.6 % , B 0.85 % , Mo 0.023%
Dissoquene Combi -7	Fe 3.7 % (EDTA), Mn 2.5 % , Zn 2 % , Mg 1.8 % , Cu 1.2 % , B 0.06 % , Mo 0.025%
Dissoquene Combi -15	Fe 5 % (EDTA) , Mn 4 % , Zn 2 % , Cu 1 % , B 1.5 % , Mo 0.05%
Dissoquene Fe - 6 %	Fe 6 % , full EDDHA chelated (for soil application)
Dissoquene Fe - 6 % L	Fe 6 % , full EDTA chelated (liquid: apply only through foliar spray)
Dissoquene Fe - 13 %	Fe 13 % full EDTA chelated
Dissoquene Zn - 15 %	Zn 15 % full EDTA chelated
Dissoquene Mn - 13 %	Mn 13 % full EDTA chelated
Dissoquene Cu - 15 %	Cu 15 % full EDTA chelated
Dissoquene Mg - 6 %	Mg 6 % full EDTA chelated

Application Rate:

Crop	Timing	Rate
Vegetables	After growth integration, repeat upon fruit succession	250-300 gm /200 lit water by foliar
Fruit trees	In spring flush , then repeat at fruit set, and upon deficiency symptoms	300-350 gm / 200 lit water
Field crop	Prior to growth integration, repeat upon tillering	1.5-2.5 kg / hectare
Flowers and ornamental plants	Spray twice among the season	150-250 gm / 200 lit water

Note: Dissoquene products could be mixed with pesticide and other fertilizers , but it is better to make sample test spray before common application .

MICRO MIX

Chelated micro nutrient compound produced by complete chemical reaction.

- Produced from pure sources for chelating agents to supply plants with their needs of micro nutrients.
- Highly effective at lower rates compared with other products.
- Stable in spray solution and formulated in a way that facilitate the absorption by plant leaves.
- Completely chelated free from oxides and salts.



Components (w/v):

Manganese	Mn	6.5 %
Molybdenum	Mo	2%
Iron	Fe	0.5%
Copper	Cu	0.5%
Zinc	Zn	0.5%

Application Rate:

Crop	Timing	Rate
Vegetables	After growth integration, repeat at fruit set and enlargement	250-500 ml /200 lit water by foliar
Fruit trees	In spring flush , then repeat at fruit set and upon deficiency symptoms	350-700 ml / 200 lit water
Field crop	Before growth integration, repeat at tillering	3-5 lit / hectare
Flowers and ornamental plants	Spray twice among the season	200-400 ml / 200 lit water

Note: Could be mixed with pesticide & other fertilizers , but it is better to make sample test spray before common application .

HYPER TONIC Growth Promoter

Growth promoter that enhances elements absorption and improves fruit quality.

- Promotes cytoplasm circulation and accelerates growth .
- Could be used to break dormancy in seeds and regulates hormones and Auxins.
- Makes an ideal balance between vegetative growth and fruit bearing through its multi direction effect.
- Boosts root cell division, thus increases the efficiency of its water and mineral absorption.



Components (w/v):

Potassium ortho Nitrophenolate	0.3 %
Potassium para Nitrophenolate	0.2 %
Natural organic acids	4.0 %

Application Rate:

Crop	Time	Foliar (for 1000 lit water)
Potato	Three weeks after emerging	0.5 lit
Vegetables	Prior to flowering	0.5 lit
Fruit trees	Before flowering	5 cm ³ /10 lit water
	After fruit set	7 cm ³ /10 lit water

Nutri Forti Plus Foliar Liquid Fertilizer

0-40-50

A new generation of basic plant fertilizer that supplies plant with Potassium and Phosphors in the same time, in an active and efficient absorption way.

- *Rapid absorption and translocation among plant leaves and root.*
- *Helps in root development and increases flower initiation and fruit set, increases fruit quality and enhances fruit ripening due to its high content of Potassium .*
- *It stimulates plant self-defenses to become strong and able to resist diseases and stress conditions .*



Components (w/v):

Phosphorus	P ₂ O ₅	40.0 %
Potassium	K ₂ O	50.0 %
Natural growth promoter , organic acids, cytokinin , vitamins		0.5 %

Application Rate:

Crop	Time	Rate of application per 200 lit water
Vegetables	At flowering stage , repeat once every two weeks	300-400 ml
Almonds , apples and vines	At spring flush, repeat twice	400- 500 ml
Field crops	Before tillering till filling	300-400 ml

Note: Could be also used on soil by drip irrigation systems and sprinkles 40-50 lit / hectare.

DEKAP 0-33-42

New generation of essential liquid fertilizers, with low salt index.

- *Low salt index that makes it safe for foliar spray and root application at different rates.*
- *Has fast translocation among plant parts and fastly absorbed.*
- *Approved as a safe fertilizer on crops due to its low content of heavy metals, and the high absorption (within the recommended rates).*



Components (w/v):

Phosphorus	P ₂ O ₅	33 %
Potassium	K ₂ O	42%

Application Rate:

Crop	Timing	Through irrigation rates liter / hectare	Foliar application rates per 1000 lit water
Vegetables	Prior to flowering till the end of the season with an integrated fertilization program	10-20 lit	1.25-1.75 lit
Almonds and apples	Prior to bud swallow or fruit set ,repeat twice till harvest	20-30 lit	1.75-2.50 lit
Field crops	Prior to tillering till filling	10-15 lit	1.25-1.75 lit

Multi Source 40-0-0

**Nitrogen fertilizer derived from four Nitrogen sources:
Amine, Amide, Ammonium and Nitrate.**

- *The best Nitrogen choice for all crops especially under low temperatures.*
- *Can be used both through irrigation or in foliar spray.*
- *Reduces stress on plant , thanks to its component of amino acids.*
- *High efficiency compared with other Nitrogen fertilizers.*
- *Free from sulfur and chlorides and could be used in hydroponic systems.*
- *Compatible with other fertilizers and could be mixed with most pesticides.*



Components (w/v):

Total Nitrogen N 40 %
Contains Nitrogen from 4 sources:
Amine, Amide, Nitrate and Ammonium.

Application Rate:

Crop	Time	Dose per hectare in soil application	Dose for 1000 liter by foliar application
Vegetables in open field and under greenhouses	At vegetative growth stage and during the season	30-40 liter per hectare	1500-1800 ml
Fruit trees	In spring flush till the end of the season	40-50 liter per hectare	1200-1500 ml
Flowers and ornamentals	During vegetative growth	20-30 liter per hectare	1000-1200 ml
Field and forage crops	During vegetative growth	20-30 liter per hectare	1200-1500 ml

Pot^{asul}-52

Liquid Potassium Fertilizer
Concentration Potassium Tonic



Liquid Potassium fertilizer which improves fruit quality & quantity.

- *Produced in a special way to guarantee high absorbability of components , which directly appears on fruit quality.*
- *Identical for all crops during fruit swelling after set.*
- *Could be applied through drip irrigation or foliar spray.*

Components (w/v):

Potassium K₂O 52 %

Application Rate:

Crop	Time	Foliar (ml /200 lit water)	Fertigation (per hectare)
Vegetables in open field	After flowering and beginning of fruit set, repeat once every 2 weeks	200-300 ml	15-20 lit
Olives and citrus	After fruit set, repeat 2 times among the season	200-300 ml	20-25 lit
Fruit trees	After fruit set, repeat 2 time among the season	200-300 ml	20-25 lit
Field and forage crops	At swelling stage	160-240 ml	15-20 lit

Truefert The True Fertilizer

- **Special formula for gardens, nurseries , indoor and outdoor ornamental plants as well as other crops.**
- **Contains macro and micro nutrients in addition to amino acids and vitamins, which make it the integrated plant nutrition compound.**
- **Obviates the addition of other fertilizers , it has been outfitted to suit various growth stages and cure deficiency symptoms.**
- **Easy to use either by irrigation system or foliar spray .**



Components (w/v):

Organic Matter	O.M	20%
Nitrogen	N	5%
Phosphorus	P ₂ O ₅	2%
Potassium	K ₂ O	4%
Calcium	CaO	1.2%
Sulfur	S	S 2%
Iron	Fe	0.5%
Boron	B	0.05%
Manganese	Mn	0.1%
Copper	Cu	0.1%
Zinc	Zn	0.3%
Molybdenum	Mo	0.001%
Amino acids and vitamins		3%

Application Rate:

Soil fertigation	Dilute 20 ml / 20 lit of water and irrigate the solution once a week.
Foliar spray	20 ml /20 lit of water , spray once every three weeks there is no contradiction between foliar and soil application.

Note : Could be mixed with pesticides , but it is better to make a small scale test .

SPOT Foliar Liquid Fertilizer

Foliar liquid fertilizer, contains macro elements derived from pure sources.

- Improves crop quality and increases plant resistance to stress conditions.
- Contains absorption synergizing agents to ensure best utilization .
- Could be applied on all kinds of plants among different growth stages.



Spot grades (w/v) :

Spot 12-10-8+20% O.M N 12%, P₂O₅ 10%, K₂O 8 %, O.M 20%
 Spot 7-5-5 N 7%, P₂O₅ 5%, K₂O 5% + Growth stimulators

Application Rate:

Crop	Grade	Spot 12-10 8+20% O.M	Spot 7-5-5
		Rate	Rate (foliar /200 lit water)
Vegetables		15-20 lit / hectare	150-200 ml
Fruit trees		50-100 ml/ tree	200-250 ml
Flowers and ornamentals		15-20 lit / hectare	100-150 ml
Field and forage crops		10-15 lit / hectare	100-150 ml

MEGA PHOS 16-46-0

The Mega effect of Phosphorus.

- Acts as high efficient phosphorus fertilizer due to easily absorption and ability to translocate inside plant .
- Apply either by fertigation or foliar spray , effective in both.
- Identical for all crops especially as a basic fertilizer in early stages.



Components (w/v):

Nitrogen	N	16 %
Phosphorus	P ₂ O ₅	46%

Application Rate:

- Through fertigation :

Crop	Time
Vegetables in open field	3-5 lit / hectare after planting , repeat twice every month during a season
Field and forage crops	3-5 lit / hectare after integration of germination , repeat once every 3 weeks till filling
Fruit trees	4-6 lit / hectare before spring flush , repeat once every month
Vegetables under greenhouses	5 lit / hectare with first irrigation , repeat once every month
Citrus and olives	5 lit / hectare upon spring flush and before flowering
Potato	10 lit / hectare after integration of germination , repeat after 2 weeks

- By foliar spray : 250-300 ml/200 lit water once every 2 weeks for potato , every month for field and forage crops , every 2 weeks for others.

UNIPHOS

Premium Liquid Fertilizer
5-75-3

- *A low pH formula rich in Phosphorus with some Nitrogen and Potassium.*
- *Contains high Phosphorus for essential fertilization.*
- *Applicable on all crops , especially for root system development and flowering stage.*
- *Best formula for field and forage crops at early growth stages.*



Components (w/v):

Nitrogen	N	5 %
Phosphorus	P ₂ O ₅	75 %
Potassium	K ₂ O	3 %

Application Rate:

Foliar spray : 3-5 Lit /hectare .
Through drip irrigation : 4-20 lit / hectare .

POLINAT

Fruit setting compound for tomato and eggplant in greenhouses.



Components (w/v):

4-CPA (4-Chloro Phenoxy Acetic Acid)	0.13 %
BNOA	0.13 %
Plus adjuvants and stimulants	

Application Rate:

crop	Timing	Rate
Tomato and eggplant Spray on flowers cluster by using small sprayer one time with avoiding vegetative	November December January February	30 ml / 1 lit water
	Other months	20 ml / 1 lit water

- Note:** - Do not mix with other fertilizers or pesticide .
- Do not exceed recommended application rates.

YG-50

Safe Fruit Set Compound

A concentrated fertilizer composed from essential macro elements (Nitrogen , Phosphorus , Potassium) in addition to Boron.

- *Use by foliar spray for fruit set and increase yield.*
- *The safe alternative for fruit set PGRs and does not have any harmful side effect.*
- *Maintains best quality of fruit and keeps all plant parts more functional.*



Components (w/w):

Nitrogen	N	10%
Phosphorus	P ₂ O ₅	20 %
Potassium	K ₂ O	20 %
Boron	B ₂ O ₃	1.2%

Application Rate:

Dissolve at the rate of 25 gm per 200 liter of water and spray on the whole plant.

Note : It is not recommended to mix with pesticides and often chemicals .

MOLBOR

Boron + Molybdenum Water Soluble Fertilizer

Compounds containing Boron and Molybdenum in addition to Fulvic acid.

- Provides plant with Boron and fulfills Boron requirements for all crops.
- Increases fruit set through its impact on pollen formation , viability as well as general flower fertility.
- Acts as a Nitrate balancer by converting excessive Nitrogen in the leaves to Protein.
- Has functional support for Calcium absorption, thus the formation of the cell wall and fruit shelf life ,in addition to its effect on balancing osmotic pressure.



Components :

liquid Mol Bor

Boron B₂O₃ 9%
Molybdenum Mo 0.6%
In addition to fulvic acid

powder Mol Bor

Boron B₂O₃ 8%
Molybdenum Mo 1%
In addition to fulvic acid

Application Rate:

Crop	Dose & Timing
Open field vegetables	Start from flowering stage 150-250 ml /200 lit water
Greenhouse vegetables	Start from flowering stage 100-200 ml /200 lit water
Fields crops (wheat, barley, rice)	After Tillering and filling 4-6 lit / hectare for just 1 time
Almonds, apples , vines	At fruit set 200-250 ml/200 lit water

More Set

Boron + Molybdenum Water Soluble Fertilizer

- *Water soluble fertilizer that contains Boron and Molybdenum in a certain percentage that facilitates plant absorption.*
- *Increases fruit set through its impact on formation of pollen grains and flower fertility.*
- *Acts as a Nitrate balancer by converting excessive Nitrogen in the leaves to Protein, in addition to its effect as osmotic pressure balancer.*



Components (w/w):

Boron	B ₂ O ₃	26 %
Molybdenum	Mo	1 %

Application Rate: - As foliar spray

Crop	Dose & Timing
Greenhouse vegetables	At flowering 50-75 gm /200 lit water , repeat once every 2-3 weeks
Almonds, apples, vines	Upon blooming 100-150 gm /200 lit water , repeat after one month, take care to spray it smoothly & slightly
Field crops	After tillering and filling stages, 4-6 kg/hectare for one time only

NUTRI *Foliar*

Effective foliar fertilizer , which contains macro & micro nutrients .

- Different grades to meet plant needs in different stages and for all crops.
- Highly and quickly absorbed by plant leaves, thanks to its pure components.
- Enhances root growth , flower formation and fulfills plant needs of macro & micro nutrients .



Nutrifoliar grades:

Grade (w/w)	Trace elements		
20-20-20	Magnesium	MgO	0.20 %
30-10-10	Manganese	Mn	0.02 %
	Iron	Fe	0.04 %
12-48-8	Copper	Cu	0.01 %
12-6-36	Zinc	Zn	0.02 %
10-20-30	Boron	B	0.01 %
	Molybdenum	Mo	0.001 %

Application Rate:

Crop	Rate as foliar application (per 200 lit water)	Rate (per hectare)
Vegetables	300-350 gm	2.5-3.0 kg
Field crops	250-300 gm	1.5 -2.0 kg
Fruit trees	300-400 gm	2.5-3.0 kg
Flowers and ornamentals	250-300 gm	1.5-2.0 kg

Truefert

New family of special water soluble fertilizer formulated from best raw materials.

- *Highly absorbed fertilizer , contains macro & micro elements with highest compatibility of components*
- *Could be applied on all crops through fertigation.*
- *Many grades to promote different growth stages.*

Truefert grades (w/w):

Grade (w/w)	Trace elements		
13-40-13			
10-52-10			
20-20-20			
12-12-36			
30-10-10	Magnesium	MgO	1000 ppm
12-36-12	Manganese	Mn	150 ppm
0-0-52	Iron	Fe	400 ppm
16-10-24	Zinc	Zn	250 ppm
18-18-18	Copper	Cu	50 ppm
20-10-20	Boron	B	15 ppm
10-20-30			
15-30-15			
12-6-36			
17-7-27			



Application Rate:

Crop	Dose
Vegetables	30-40 kg / hectare
Field crops	20-30 kg / hectare
Fruit trees	30-50 kg / hectare

Mega Pot

The Mega Synergic Effect.

- Highest chelated grade of Potassium in addition to Nitrogen.
- Contains special organic synergizing compound to boost best utilization.
- Could be applied both as soil application and foliar spray.



Mego Pot grades (w/w):

Mega Pot	9-0-40
Mega Pot	9-0-36

Application Rate:

Crop	Time	Dose (kg/ hectare)
Vegetables	At fruit set	30-40 kg every week
Fruit trees	After fruit set, repeat 3-4 times	35-45 kg/ hectare or 50-60 gm per tree
Field crops	After tillering and before spike formation, repeat 3 times	15-20 kg

Note: By foliar spray : 300 gm / 200 lit water.

Nutri Paste Suspension Fertilizer

Why Nutripaste fertilizers are so special ??

- *Produced by chemical reaction process to guarantee homogenous mixture without precipitates or side reactions.*
- *Stable suspension in all conditions and upon dissolving or mixing .*
- *Ability to add micro elements & growth stimulator within the chemical manufacturing equation.*
- *More flexible in production , since can reach to high concentration with more components.*
- *High solubility with no separation for components.*



Nutri Paste grades: (w/v)

Nutri Paste 20-20-20

Nutri Paste 24-24-18

Nutri Paste 10-52-10

Nutri Paste 12-12-44

Application Rate:

Crop	Application rates per hectare through irrigation system
Vegetables	3-4 kg after two week of transplanting , repeat 2 times
Fruit trees	5-4 kg upon spring flush , repeat 2 times once every two weeks
Field crops	1.5-2 kg after transplanting and germination , repeat 3 times



Dual Purpose Fertilizers





Multi purpose fertilizer and protective balancer , mainly consist form Potassium Phosphite K_3PO_3 .

- Acts as a fast action Phosphoric and Potassium fertilizer because it is easily absorbed and has swift mobilization in the plant system.
- Has a protective effect against many fungal diseases like Phytophthora , Downy , Mildew .



Components (w/v):

Phosphorus	P_2O_5	43 %
Potassium	K_2O	36 %
Plus growth promoters		

Application Rate:

Crop	Fertigation	Foliar (/200 lit water)
Vegetables in open field	3-5 lit / hectare after transplanting	250-300 ml
Field and forage crops	3-5 lit /hectare after germination	200-250 ml
Fruit trees	4-6 lit / hectare upon spring flush	250-300 ml
Vegetables under greenhouses	0.5 lit / dunum (1000 m ²) with first irrigation time	200-250 ml

Sulfurine-K

High grade (Potassium + Sulfur) foliar fertilizer.

- *Consists from the smallest known size of Sulfur particle this guarantees fair spread on leave plant parts.*
- *The only sulfur compound compatible with Polyether Trisiloxane spreading agent to form lowest water tension film that sticks on the leaf.*
- *Has protective effect on Powdery mildew , Leaf minner , Acarus and some Mites.*
- *When mixed with Polyether Trisiloxane spreading agent , it has indirect protective effect on aphids through trapping adults on the viscose surface and throttles other stages.*
- *After finishing its role as protective compound , it will be absorbed as source of Potassium and Sulfur.*
- *Has recognizable effect on fruit taste and color.*



Components (w/v):

Potassium K₂O 35 %

Sulfur S 40 %

Formula : Potassium Poly Sulfide K₂S_x

Application Rate:

Crop	Time & Rate (per 200 lit water)
Vegetables	250-400 ml , once every 2 weeks
Fruit trees	350-500 ml , once every 2 weeks
Olives	350-500 ml, start from fruit set , repeat every 4 weeks
Field and forage crops	200-250 ml, 3 times among the season

Alpacid *Nutrition and Protection*

product with perfect efficiency , contains chelated Potassium with organic acids and monosaccharides.

- *This formula has triple effect impact , as a fertilizer , growth promoter and protective effect on mildew.*
- *Could be applied both through irrigation system on root or foliar spray.*
- *Natural and safety product without any toxic residues.*



Components (w/w):

Total organic matter	60 %
Monosaccharides	6 %
Chelated Potassium	3 %
Laminarines	0.2 %

Application Rate:

Crop	Dose per 200 lit water by foliar spray
Potatoes	300-400 gm
Vegetables	300-400 gm
Fruit trees	400-500 gm
Field and forage crops	200-300 gm

Note: - Alpacid could be mixed with Sulfur compound as Sulfurine.

NEPTUNE

Smart formula of liquid fertilizer which contains Calcium & Phosphorus together in balanced rate ready and absorbable form.

- Increase plant ability to overcome stress conditions and some diseases , also it works on strengthen cell wall due to it's rapid adsorption through plant cell.
- Has a direct impact on flowering , fruit set stage in plant, tuber formation of potato and increases total solids percentage in fruit.
- Could be used as a safe fertilizer in different integrated fertilization programs and in hydroponic agriculture.
- Has direct antifungal effect and secondary effect on Nematodes.



Components (w/v):

Phosphorus (P_2O_5) 36 % (from Phosphorus acid H_3PO_3)
Calcium (CaO) 6 % (from Calcium Phosphonate H_2CaO_3P)

Application Rate:

Crop	Dose & Timing (per hectare)	Foliar dose (per 200 lit water)
Greenhouse vegetables	Through growth stage 10-15 lit, repeat 2- 4 times among the season	350 ml
Almonds, apples and grapes	After fruit set 10-12 lit, repeat 3-5 times among the season	350 ml
Ornamentals	Before flowering 5-10 lit, repeat 5-6 times among the season	250 ml