



MOFCAL

Liquid Fertilizer

A clear liquid formulation designed for supplying the plant with necessary calcium and magnesium.

Supplying the fruits with Calcium will promote longer storage life and will resist physiological break down conditions like bitter pit in apples, tip burn in lettuce & blossom end rot in tomato.

The availability of Nitrogen and Magnesium will also play a role in healthier plant growth.

Mofcal will improve fruits quality, shape, firmness, storability and color shininess.

Mofcal is highly soluble and formulated for use as foliar & Fertigation application due to its effective absorption by plant tissues



Analysis & Physical Properties

Formulation (w/v): %

N (Nitric)	12.0
MgO	5.0
CaO	15.0
pH (1\100)	5.0-6.0
EC mS (1\1000)	0.9
Sol. g/Lit at 20°C	100%
Density (Kg/Lit)	1.44

Crops & Rate of Use

Crop	Fertigation	Foliar	Time of application
Pome fruits	15-25 Lit/ha	2-3 Lit/ha	7-10 application during fruiting stage, last application before 2 weeks of harvest
Vegetable	15-25 Lit/ha	1.5-2 Lit/ha	2-3 times /season During fruiting stage
Lettuce	10-15 Lit/ha	1-2 Lit/ha	2-3 times /season
Grapes	15-20 Lit/ha	2-2.5 Lit/ha	3-4 application after fruits setting
Tomato	15-25 Lit/ha	1.5-2 Lit/ha	Every 2 weeks during fruit development
Cereals	-----	4-6 Lit/ha	Twice / season
Sugar beets	-----	5-6 Lit/ha	3-4 times/ season



MOFCAL Gel

Mofcal Gel is a mixture of high concentration of Calcium-Magnesium and micro elements in gel form completely soluble in water can be applied to all fruit and vegetable crops to improve fruit firmness, storability, color and skin finish.

Mofcal Gel is effective supplements calcium and magnesium to improve cell wall structure, cell elongation, photosynthesis and stomata regulation.

Mofcal Gel Ideal for quality issues relating to Calcium deficiency such as blossom end rot, bitter pit, tip burn, die-back, soft fruit and more

Mofcal Gel is a high use efficiency and quick uptake by crops.

Mofcal Gel is a recommended fertilizer to supply Calcium and Magnesium to plants.

Mofcal Gel can be used by foliar application and by fertigation.

Mofcal Gel is chloride free, plant safe formulation that would not burn plants

Analysis & Physical Properties

Formulation (w/v): %

Nitrogen N	15.0	Mo	15ppm
Calcium CaO	22.50	B	750ppm
MgO	3.0	pH (1/100)	5.0-6.0
Cu EDTA	600ppm	EC mS(1/1000)	0.9
Zn EDTA	300ppm	Sol. g/Lit at 20°C	100%
Mn EDTA	1500ppm	Density (Kg/Lit)	1.5
Fe EDTA	750ppm		

Crops & Rate of Use

Crop	Application Rate		Time of Application
	Fertigation	Foliar ml/100 Lt	
Fruit trees, Citrus, Grape, Olive, Pears, Stone fruits	4 – 8 Lt/Ha	350 – 500	
Vegetable crops on Greenhouses	4 – 8 Lt/Ha	350 – 500	Throughout the growing cycle
Vegetable crops on open fields	3 – 6 Lt/Ha	350 – 500	
Nurseries	2 Lt/Ha	150-300	Throughout the propagation period
Flowers and Ornamentals	2 – 3 Lt/Ha	150-200	Throughout the growing cycle

The application rates above are guidelines and rely on deficiency situation on plant, we recommend to use minimum dosage for slight deficiency, and maximum dosage for severe deficiency.



AMCOFERT

A liquid formulation that is 100% soluble in water containing high levels of phosphorus and potassium.

In addition to its properties of increasing the number of flowers and improving fruit size, quality and total solid matter, it also improves the plant health and its tolerance to adverse conditions and diseases.



Analysis & Physical Properties

Formulation (w/v): %

P ₂ O ₅	30.0
K ₂ O	40.0
pH (1/100)	7.0-8.0
EC mS (1\1000)	1.0
Sol. g/Lit at 20°C	100%
Density (Kg/Lit)	1.55



Crops & Rate of Use

Crop	Application Rate		Time of Application
	Fertigation	Foliar	
Vegetables			
Green houses	2-4 Lit/500 m ²	2-4 Lit/ha	During flowering and fruit development stages
Open field	2-4 Lit/1000 m ²		
Field crops	3-5 Lit/ha		At 1 st month and during heading stage
Forages	3-5 Lit/ha		At 1 st month
Fruit trees	50-150 ml/tree	2-4 Lit/ha	During flowering stage and fruit development
Ornamentals	15-20 Lit/ha	1-2 Lit/ha	Upon need
Nurseries	50-100 ml/100 Lit (drenching)		At hardening stage



Amco KTS

Liquid formulation containing Potassium and Sulfur in Potassium Thiosulfate form

A chloride free formulation that is 100% water soluble containing high analysis of potassium and sulfur.

The available thiosulfate sulfur releases sulfuric acid to acidify root zone which will make other fixed micronutrient available for the plant especially the Iron and Manganese.

AMCO KTS can be applied through drip irrigation and foliar application.

AMCO KTS is used to improve fruit quality, size and speed up the ripening period



Analysis & Physical Properties

Formulation (w/v): %

K ₂ O	36.0
S	25.0
pH (1/100)	12.0
EC mS (1\1000)	1.1
Sol. g/Lit at 20°C	100%
Density (Kg/Lit)	1.41

Crops & Rate of Use

Crop	Application Rate		Time of Application
	Fertigation	Foliar	
Vegetables			
Green houses	2-4 Lit/500 m ²	2-4 Lit/ha	Fruit development & ripening stages
Open field	15-30 Lit/ha		
Field crops	3-5 Lit/ha		Heading stage
Fruit trees**	15-30 Lit/ha	2-4 Lit/ha	Fruit development & ripening stages
Ornamentals & flowers	15-20 Lit/ha	1-2 Lit/ha	Upon need

* Not recommended to be mixed with any other fertilizer or pesticide

**Small scale test is recommended to be done before application on fruit trees to determine the variety have sensitivity to the product.



Amco KTC

A chloride free clear liquid fertilizer containing high analysis of potassium complexed with citric acids in organic form.

Potassium Citrate form is super available for the plant intake through roots & leaves for the potassium demanding stages of plant growth.

Amco KTC available potassium will improve water uptake efficiency, leading to increasing the fruit size & sugar content.

Amco KTC will improve soil properties by reducing pH, increasing the buffering capacity as well as increasing availability of other nutrients and microbial activity.

Amco KTC will improve plant vitality, vigor and disease resistance.

Can be applied through drip irrigation and foliar application.

Can be mixed with most pesticide and fertilizers, however mixing compatibility of other material should be considered.

A small scale testing experiment is advisable.

Analysis & Physical Properties

Formulation (w/v): %

K ₂ O	36.0
Organic Matter	50.0
pH (1/100)	7.0-8.0
EC mS (1/1000)	1.0
Sol. g/Lit at 20°C	100%
Density (Kg/Lit)	1.48

Crops & Rate of Use

Crop	Application Rate		Time of Application
	Fertigation	Foliar	
Vegetables			
Green houses	1.5-3 Lit/500 m ²	2-3 Lit/ha	Fruit development & ripening stages
Open field	10-20 Lit/ha		
Field crops	3-4 Lit/ha		Heading stage
Fruit trees	10-20 Lit/ha	2-3 Lit/ha	Fruit development & ripening stages
Ornamentals & flowers	15-20 Lit/ha	1-1.5 Lit/ha	Upon need



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MULTI N

A mixture of three forms of nitrogen in highly concentrated liquid; Nitric, Ammonium & Ureic for boosting plant growth.

Plant uptakes nitrogen in Nitrate NO₃⁻ and Ammonium NH₄⁺ forms, Urea is changed to NH₄⁺ ions that are available for plant uptake. Multi N provides a balance of these forms to ensure optimum plant growth and performance.

Multi N can be applied foliar or through fertigation.



Analysis & Physical Properties

Formulation (w/v): %

N	Total N	40.0
	Nitric	11.0
	Amm.	11.0
	Uric	18.0
P ₂ O ₅		0
K ₂ O		0
pH (1\100)		5.0-6.0
EC mS (1\1000)		1.0
Sol. g/Lit at 20°C		100%
Density (Kg/Lit)		1.35



Crops & Rate of Use

Crop	Application Rate		Time of Application
	Fertigation	Foliar	
Vegetables			
Green houses	2-4 Lit/500 m ²	2-4 Lit/ha	During vegetative growth stages
Open field	15-30 Lit/ha		
Field crops	3-5 Lit/ha		After 1 st month
Fruit trees	15-30 Lit/ha	2-4 Lit/ha	During vegetative growth stages
Ornamentals & flowers	15-20 Lit/ha	1-2 Lit/ha	Weekly
Nurseries	5-10 Lit/ha	1-1.5 Lit/ha	Upon need



FERT ONE

Mixture of Vital Amino Acids

Fert One is an Amino Acid based product with organic Nitrogen designed for foliar application as well as through drip irrigation

Fert One will increase plant resistance against stress as it promotes quick recovery of plant after adverse conditions. It will also induce energy saving in general plant metabolism as it supplies organic substances that should otherwise be synthesized by plant itself.

This formula will boost cell expansion and shoot elongation in case of stress. It will also increase plant productivity.

Fert One can be mixed with pesticides and fertilizers as it will enhance the properties of active substances.

Analysis & Physical Properties

Formulation (w/w): %

Organic Nitrogen	8.0
Amino Acids	50.0
pH (1\100)	6.0-7.0
EC mS (1\1000)	0.2
Sol. g/Lit at 20°C	100%
Density (Kg/Lit)	1.23

Crops & Rate of Use

Crop	Fertigation	Foliar	Time of application
Vegetables			
Green houses	1-1.5 Lit/500 m ²	1.5-2 Lit/ha	During vegetative growth stages, from fruit setting until beginning of ripening stages and in case of stress conditions.
Open field	10-15 Lit/ha		
Field crops	1.5-2 Lit/ha		During vegetative growth stages, heading stage and in case of stress
Fruit trees	10-15 Lit/ha	1.5-2 Lit/ha	During vegetative growth stages, from fruit setting until beginning of ripening stages and in case of stress conditions.
Ornamentals & flowers	5-10 Lit/ha	1-1.5 Lit/ha	Every two weeks
Nurseries	5-10 Lit/ha	1-1.5 Lit/ha	



FoliBor

FoliBor is a highly soluble liquid Boron formula designed for foliar application without the risk of phytotoxicity if applied according to the recommended dosage.

Boron is chelated with organic matter. Boron is actively involved in the transport of sugars across cell walls and the synthesis of cell wall material. Because of the impact on cell development, Boron deficiencies will retard new growth and development. Pollination is greatly influenced by boron availability. Sufficient boron is required for pollen producing capacity and pollen grain viability.

FoliBor It will prevent and cure all boron deficiencies and improve flowering and fruit setting as well as increasing the accumulation of sugars and optimizes the ripening process.



Analysis & Physical Properties

Formulation (w/v): %

Organic Nitrogen	6.5
B	15.0
pH (1\100)	8.0-9.0
EC mS (1\1000)	0.3
Sol. g/Lit at 20°C	100%
Density (Kg/Lit)	1.37



Crops & Rate of Use

Crop	Foliar	Time of application
Vegetables Green houses Open field	1-1.5 Lit/ha	Before flowering, during fruit setting and in case of deficiency
Field crops	1-1.5 Lit/ha	Heading stages
Fruit trees	1.5-2 Lit/ha	Before flowering, during fruit setting, Post-harvest and in case of deficiency.
Ornamentals & flowers	0.5-1 Lit/ha	Upon need

Borocal Plus

Borocal Plus Calcium & Boron Complex is chelated with fulvic carboxylic acids that assists in the absorption of Calcium and Boron in the most rapid and efficient manner.

Supplying the fruits with Calcium will promote longer storage life and will resist physiological break down conditions like bitter pit in apples, tip burn in lettuce & blossom end rot in tomato.

Pollination is greatly influenced by boron availability. Sufficient boron is required for pollen producing capacity and pollen grain viability.

The combination with boron allows the calcium to be rapidly assimilated and transported to the places to be used.

Borocal Plus can be used by foliar application and by fertigation.

Contains trace elements chelated with EDTA to insure optimal plant growth.

Analysis & Physical Properties

Formulation (w/v): %

Calcium (CaO)	10
Boron (B)	0.5
Organic Matter	20%
pH (1\100)	2.0-3.0
EC mS (1\1000)	0.65
Sol. g/Lit at 20°C	100%
Density (Kg/Lit)	1.32

Crops & Rate of Use

Crop	Application Rate		Time of application
	Fertigation	Foliar	
Fruit trees, Citrus, Grape, Olive, Pears, Stone fruits	12 – 25 L/ha	3 – 6 L/ha	Before flowering and during fruiting stage.
Vegetable(Green houses)	12 – 25 L/ha	2.5 – 5 L/ha	
Vegetable (open fields)	12 – 25 L/ha	3 – 6 L/ha	
Nurseries	8 L/ha	1 – 2 L/ha	After 4 th true leaves appearance
Flowers and Ornamentals	12 – 25 L/ha	1.5 – 3 L/ha	After transplanting and before flowering

*The application rates above are guidelines and relay on deficiency situation on plant, we recommend to use minimum dosage for slight deficiency, and maximum dosage for severe deficiency.



Dragon is a liquid bio stimulant extract derived from high quality of natural seaweed variety *Ascophyllum nodosum* combined with trace elements, multi--vitamins, humins, amino acids, lignin and major phytohormones (auxins, cytokinins, gibberellins that present naturally in the seaweed) which specially designed to stimulate plant growth and provide plant with the necessary energy to overcome from stress conditions such as heat, drought and frost.

Enhance cells division.

Increases photosynthesis and chlorophyll production.

Improve protein and carbohydrate synthesis.

Improve yields and crop quality.

Enhances the development of new seedlings and speeds up establishment.

Utilization of applied fertilizers.

Contains wetting agent for more efficient use

Analysis & Physical Properties

Formulation (w/v): %

Seaweed extract	10%
pH (1\100)	6.0-7.0
EC mS (1\1000)	0.15
Sol. g/Lit at 20°C	100%
Density (Kg/Lit)	1.18

Trace Elements content: Fe 0.5% EDTA, Cu 0.25% EDTA, Zn 0.5% EDTA, Mn 0.25% EDTA, B 0.1%, Mo 0.05%.



Crops & Rate of Use

Crop	Application Rate (Foliar)	Time of application
Fruit trees, Citrus, Grape, Olive, Pears, Stone fruits	1 – 1.5 L/ha	Throughout the growing cycle
Vegetable crops on Greenhouses	1 – 1.5 L/ha	After transplanting and throughout the growing cycle
Vegetable crops on open fields	1 – 1.5 L/ha	After transplanting and throughout the growing cycle
Nurseries	1 – 1.5 L/ha	Starting from 4 th leaf
Flowers and Ornamentals	1 – 1.5 L/ha	After transplanting and throughout the growing cycle

*For better results, we recommend use not more than 1000 Lt Solution per hectare by foliar application.

Super Cal 45

SuperCal 45 is a liquid suspension fertilizer specially designed with high concentration of calcium to provide the maximum benefits and rapid taken up of calcium for plant.

Calcium plays important roles in plant growth, cell wall formation, cell division, fruit and root development.

SuperCal 45 can be used to prevent or correct deficiencies of calcium which result in poor root development, yellowing of new plant tissue and fruit and vegetable abnormalities and physiological break down such as blossom end rot.

SuperCal 45 is applicable when nitrate or sulfate is not required by the plant.

SuperCal 45 can be used by foliar application and by fertigation.



Analysis & Physical Properties

Formulation (w/v): %

Calcium CaO	45
pH (1\100)	8.0-9.0
EC mS (1\1000)	0.04
Sol. g/Lit at 20°C	Dispensible in water
Density (Kg/Lit)	1.65



Crops & Rate of Use

Crop	Application Rate		Time of application
	Fertigation	Foliar /100 Lt	
Fruit trees, Citrus, Grape, Olive, Pears, Stone fruits	5 – 20 L/ha	150 – 300 ml	Throughout the growing cycle
Vegetable(Green houses)	10 – 25 L/ha	150 – 300 ml	
Vegetable (open fields)	5 – 25 L/ha	150 – 300 ml	Throughout the propagation period
Nurseries	5 –10 L/ha	150 – 300 ml	
Flowers and Ornamentals	5 – 20 L/ha	150 – 250 ml	Throughout the growing cycle

*The application rates above are guidelines and rely on deficiency situation on plant, we recommend to use minimum dosage for slight deficiency, and maximum dosage for severe deficiency.

**For best results, we recommend to start use SuperCal 45 from the early stages of plant and throughout the growing cycle.



Fuli Hume 20

FuliHume 20 is a blend of liquid humic and fulvic acids that when applied to soil assist in increasing microbiological activity, nutrient and organic conditions as well as maintaining soil fertility and structure.

FuliHume 20 Increases root respiration and formation, increases plant membrane permeability and increases nutrient translocation.

FuliHume 20 Increases soil cation exchange capacity (CEC), improves soil buffering capacity, retains water-soluble fertilizers in soil, Improves friability of soil (crumbliness), improves soil aeration, increases water holding capacity and reduces soil erosion.

Assist with seed germination.

FuliHume 20 can be used directly in all irrigation system.



Analysis & Physical Properties

Formulation (w/v): %

Humic Acid	10
Fulvic Acid	10
pH (1\100)	9.5-10.5
EC mS (1\1000)	0.005
Sol. g/Lit at 20°C	100%
Density (Kg/Lit)	1.1



Crops & Rate of Use

Crop	Application Rate (Fertigation)	Time of application
Fruit trees, Citrus, Grape, Olive, Pears, Stone fruits	10 – 20 L/ha	- Bud formation stage. - Flowering stage - Fruit setting stage. - Fruit formation stage
Vegetable crops on Greenhouses	10 – 20 L/ha	Throughout the growing cycle
Vegetable crops on open fields	10 – 20 L/ha	
Nurseries	3 Lt on 100 L of water and drench	Throughout the propagation period.
Flowers and Ornamentals	10 – 20 L/ha or use 3 L on 100 L water and drench	Throughout the growing cycle

*We recommend using the minimum dose and repeating every 10 to 14 days during plant growth cycle.

PhosCal

Phoscal is a special liquid fertilizer containing phosphorous with calcium and boron which are combined with amino acids to ensure rapid absorption leading to quick results.

Phoscal specially designed from high quality raw materials to serve the plant better blossoming and setting.

Improves fruit quality during fruit stage.

Phoscal can be used by foliar application and by fertigation.

Phoscal provides plant with phosphorous and calcium without conflict interaction.



Analysis & Physical Properties

Formulation (w/v): %

Phosphorous (P ₂ O ₅)	25
Calcium (CaO)	5
Boron (B)	0.1
pH (1\100)	1.5-2.5
EC mS (1\1000)	1.2
Sol. g/Lit at 20°C	100%
Density (Kg/Lit)	1.32



Crops & Rate of Use

Crop	Application Rate		Time of application
	Fertigation	Foliar	
Fruit trees, Citrus, Grape, Olive, Pears, Stone fruits	12 – 25 L/ha	2 – 4 L/ha	Before flowering and during fruiting stage.
Vegetable (Green houses)	12 – 25 L/ha	1.5 – 2.5 L/ha	After transplanting, Before flowering and during fruiting stage.
Vegetable (open fields)	12 – 25 L/ha	2 – 4 L/ha	
Nurseries	8 L/ha	1 – 2 L/ha	After 4 th true leaves appearance
Flowers and Ornamentals	12 – 25 L/ha	1.5 – 2 L/ha	After transplanting and before flowering

*The application rates above are guidelines and rely on deficiency situation on plant, we recommend to use minimum dosage for slight deficiency, and maximum dosage for severe deficiency.

FoliBoost

Clear liquid formula designed for foliar application

Boron & Zinc chelated with organic matter & Combined with Amino Acids

Designed with rapid absorption & penetration features, leading to quick results.

FoliBoost will prevent and cure all boron & Zinc deficiencies

Boosts lateral bud development, blossoming, setting, and to improves fruit size and weight

FoliBoost will improve plant reserves of B & Zn when applied for fruit trees late in the season



Analysis & Physical Properties

Formulation (w/v): %

Organic Nitrogen	8.5
B	4.0
Zn	4.0
Amino Acids	13.5
pH (1\100)	8.0-9.0
EC mS (1\1000)	0.3
Sol. g/Lit at 20°C	100%
Density (Kg/Lit)	1.35



Crops & Rate of Use

Crop	Foliar	Time of application
Vegetables		
Green houses	1-1.5 Lit/ha	Before flowering, during fruit setting and in case of deficiency
Open field		
Field crops	1-1.5 Lit/ha	Heading stages
Fruit trees	1.5-2 Lit/ha	Before flowering, during fruit setting, Post-harvest and in case of deficiency.
Ornamentals & flowers	0.5-1 Lit/ha	Upon need

CALCIBOR

Calcibor is soluble powder fertilizer containing Calcium complexed by carboxylic acids and boron without nitrates, chlorides and sulphates, CacliBor prevents and cures calcium deficiency

Improves flowering , fruit setting & fruit quality

Improves fruits quality and increase its shelf life.

Reduces flowers and fruits drop.



Analysis & Physical Properties

Formulation (w/w): %

CaO	30.0
B	1.0
pH (1\100)	5.0-6.0
EC mS (1\1000)	0.76
Sol. g/Lit at 20°C	100



Crops & Rate of Use

Crop	Application Rate		Application Time
	Fertigation	Foliar	
Vegetables	5-10 Kg/ha	2-3 Kg/ha	starting from fruit set, every 15 days.
Field Crops	-----	3-5 Kg/ha	starting from heading stage, every 15 days.
Fruit trees, Grapes, Citrus, Olive trees	5-10 Kg/ha	3-5 Kg/ha	Starting from fruit set, every 15 days. After water stress
Leafy Crops	5-10 Kg/ha	2-3 Kg/ha	2-3 applications during the season
Ornamentals	2-4 Kg/ha	1.5-2.5 Kg/ha	2-3 applications during the season

“This product of vegetal proteins is repacked by MCFP & produced by Italtollina SPA - Italy “

Plantamine

Plantamine is a clear liquid organic fertilizer for foliar application.

Contains high concentration of vegetal amino acids.

Completely soluble in water, designed for very fast absorption and maximum efficiency. Increase plant immunity to be more tolerant for drought, climate changes and diseases.

Stimulates plant development at all growth stages.

Increases yield quantity and quality by enhance photosynthesis and plant physiology.

Increases the sugar content of fruits.



Analysis & Physical Properties

Formulation (w/v): %

Total Nitrogen N	6
Amino Acids	37.5
pH (1\100)	4.0-5.0
EC mS (1\1000)	0.2
Sol. g/Lit at 20°C	100%
Density (Kg/Lit)	1.22

Crops & Rate of Use

Crop	Application Rate (Foliar)	Application Time
Vegetables (Green house, Open field)	2-5 L/ha	2-4 times during the vegetative cycle according to the crop, the agronomical conditions and the nutritional requirements.
Field crops	2-5 L/ha	
Fruit trees	2-5 L/ha	
Ornamentals & flowers	2-5 L/ha	
Nurseries	2-5 L/ha	

Amino Manganese

Amino Manganese is a liquid Manganese formula complexed with Amino acids designed for quick foliar absorption.

The amino acids in the formula will allow the plant to generate proteins in a more rapid way and with a saves plant energy.

Applied to prevent & cure Manganese deficiencies.

Manganese functions as part of enzyme systems in plant, it activates several important metabolic reactions and plays direct role in photosynthesis. Manganese accelerates seeds germination and maturity.



Analysis & Physical Properties

Formulation (w/v): %

Organic Nitrogen N	1.2
Manganese Mn	12
Amino Acids	7.5
pH (1\100)	3.5-4.5
EC mS (1\1000)	0.5
Sol. g/Lit at 20°C	100%
Density (Kg/Lit)	1.35



Crops & Rate of Use

Crop	Application Rate (Foliar)	Application Time
Fruit trees, Grapes, citrus, Olive trees	1-2 Lit / ha	At vegetative growth re-start, before flowering & post-harvest.
Vegetables	1-1.5 Lit / ha	During vegetative growth stages
Cereals	1-2 Lit / ha	From early vegetative growth up to tillering stages

Amino Zinc

Amino Zinc is a liquid Zinc formula complexed with Amino acids designed for quick foliar absorption.

The amino acids in the formula will allow the plant to generate proteins in a more rapid way and with saves plant energy.

Applied to prevent & cure zinc deficiencies.

Zinc is heavily involved in enzyme systems that regulate the early growth stages, it has a direct relationship in the protein and auxin synthesis. Zinc is vital for fruit, seed and root system development; photosynthesis; formation of plant growth regulators; and crop stress protection.



Analysis & Physical Properties

Formulation (w/v): %

Organic Nitrogen N	1.2
Zinc Zn	12
Amino Acids	7.5
pH (1\100)	3.5-4.5
EC mS (1\1000)	0.4
Sol. g/Lit at 20°C	100%
Density (Kg/Lit)	1.34

Crops & Rate of Use

Crop	Application Rate (Foliar)	Application Time
Fruit trees, Grapes, citrus, Olive trees	1-2 Lit / ha	At vegetative growth re-start, before flowering & post-harvest.
Vegetables	1-1.5 Lit / ha	During vegetative growth stages
Cereals	1-2 Lit / ha	From early vegetative growth up to tillering stages

Break SAL

Break SAL is a liquid soluble product consists of calcium in a compound form with organic acids that acts as saline corrector.

Supplies plant with available calcium that helps to improve fruit quality, hardness and long shelf life.

It improves soil structure, increases microorganism's activity, improves soil water retention and increase permeability and porosity by draining excess salts from the root zone, with a consequent benefit for the plant.

Corrects soil salinity and get rid of harmful cations. It reduces salinity and soil compaction caused by high levels of sodium and stimulates the growth and development of root system.

Contains calcium in active form, that take place of sodium due to high exchange capacity (providing calcium to the soil and neutralizing sodium), in order to obtain a better flocculation and salt leaching.

Content of organic acids promotes the mobility of calcium in the soil, providing a long-lasting action and reducing electrical conductivity (EC). Both in acid and alkali soils.

Break SAL can be applied to all kinds of crops even if they are sensitive to calcium deficiency. It can be used to prevent and to treat calcium deficiency.

Analysis & Physical Properties

Formulation (w/v): %

Total Nitrogen N	6
Calcium Oxide CaO	10
Organic Matter	20
pH (1\100)	3.0-4.0
EC mS (1\1000)	0.53
Sol. g/Lit at 20°C	100%
Density (Kg/Lit)	1.3

Crops & Rate of Use

Crop	Application Rate (Fertigation)	Time of Application
All kind of crops, vegetables, fruit trees, ornamentals, etc.	30 – 20 Lit/Ha	Shock: apply at the beginning of the plantation. Maintenance: apply every 7- 10 days along the crop cycle.



Zinc Man

ZincMan is a liquid chelated micronutrient fertilizer containing high concentrations of manganese and zinc for foliar and soil application to treat micronutrient deficiencies for wide range of crops to increase growth and yield.

ZincMan is a high-quality ingredient of zinc-manganese complexed with multiple carboxylic acids for more effective and rapid uptake.

Manganese promotes the activity of various enzymes that helps in the photosynthetic light reactions, respiration and protein synthetic processes leading to better utilization of NPK to convert into functional seed carbohydrates.

Zinc promotes root growth, photosynthesis and production of the growth hormone of auxin.

ZincMan is the most suitable method of supplying zinc and manganese to the horticultural crop where manganese in association with zinc directly promotes the early shoot growth at bud burst of most deciduous and perennial crops. In cereals, early to mid-tillering applications of ZincMan promote shoot to intercept sunlight and prevent leaf drop.



Analysis & Physical Properties

Formulation (w/v): %

Zinc Zn	6
Manganese Mn	6
Amino Acids	5
pH (1\100)	2.5-3.5
EC mS (1\1000)	0.45
Sol. g/Lit at 20°C	100%
Density (Kg/Lit)	1.35



Crops & Rate of Use

Crop	Application Rate		Application Time
	Fertigation	Foliar	
Fruit trees, Citrus, Grape, Olive, Pears, Stone fruits	3 – 4 Lit/ha	1 – 2 Lit/ha	Apply during active growing period and postharvest
Vegetable crops	1 – 2 Lit/ha	1 – 2 Lit/ha	Apply as required
Field crops: Barley, Canola, Cotton, Grain, legumes, Maize, Oats, Rice, Sorghum, Triticale & Wheat	4 -5 Lit/ha	2 – 3 Lit/ha	Best applied on early stage (3 to 4 leaf) and can be apply on other stages.
Nurseries	1 – 2 Lit/ha	1 – 2 Lit/ha	Starting from 3 rd leaf
Flowers and Ornamentals	2 – 3 Lit/ha	1 – 2 Lit/ha	Apply as required

*Rates can vary depending on crop, soil type, nutrient deficiency etc.



Ferasium

Ferasium is a highly concentrated solution made from phosphorus and potassium, which all phosphorus comes from phosphite anion ($H_2PO_3^-$).

Ferasium acts as activator of plant defense against possible diseases caused mainly by fungi and bacteria. It strengthens the stem, roots and leaves, and decrease the damages caused by pathogens. It also prevents the rotting in high humidity conditions.

Potassium intervenes in the water regulation mechanisms of the plant, in the formation of proteins and the synthesis of carbohydrates (starch and cellulose). It serves as an activator in the processes of cellular respiration and enables the active formation of many enzymes involved in metabolic processes. Moreover, it also regulates the transportation of products derived from the photosynthesis by phloem.

Enhances plant resistance to drought, frosts and fungal diseases by increasing the mechanical resistance of the stems and by strengthening the root system. It also participates in the development and ripening process of the fruits.

Ferasium is a fertilizer that promotes the natural defenses of the plant against diseases and climate conditions.

Analysis & Physical Properties

Formulation (w/v): %

Phosphorus P_2O_5	57
Potassium K_2O	28
pH (1\100)	1.5-2.5
EC mS (1\1000)	1.3
Sol. g/Lit at 20°C	100%
Density (Kg/Lit)	1.44

Crops & Rate of Use

Crop	Application Rate		Application Time
	Fertigation	Foliar	
Fruit trees, Citrus, Grape, Olive, Pears, Stone fruits	5 – 7 Lit/ha	200 – 350 ml / 100 Lit	Apply during the formation of the root system, flowering and fruit setting period.
Vegetable crops on Greenhouses	4 – 6 Lit/ha	200 – 300 ml / 100 Lit	
Vegetable crops on open fields	5 – 7 Lit/ha	200 – 350 ml / 100 Lit	
Nurseries	4 – 5 Lit/ha	150 – 200 ml / 100 Lit	Throughout the propagation period.
Flowers and Ornamentals	5 – 7 Lit/ha	200 – 350 ml / 100 Lit	Throughout the growing cycle



Humic Plus 85%

Humic Plus 85% is a humic acid substances blended with seaweed (*Ascophyllum nodosum*) extracts.

Increases the resistance of plant roots to abiotic stresses (drought, high or low temperature and salt stresses).

Promotes the growth of roots and regenerates damaged roots.

Stimulates the growth of useful microorganisms in the root area.

Enhances the germination of seeds and increases their growth.

Increases the water retention capacity of the soil.

Improves soil aeration and gas exchange in the soil.

Increases the soil buffering capacity and neutralizes the soil pH, which enhances the uptake of fertilizers.

Binds salt in the soil and thus decreases salinization.

Enhances the soil quality of heavy soils and sandy soils.



Analysis & Physical Properties

Formulation (w/w): %

Humic Acid	80
Seaweed Extract	5
pH (1\100)	9.0-10.0
EC mS (1\1000)	0.3
Sol. g/Lit at 20°C	20%

Crops & Rate of Use

Crop	Application Rate (Fertigation)	Application Time
Fruit trees, Citrus, Grape, Olive, Pears, Stone fruits	4 – 5 Kg/ha	<ul style="list-style-type: none"> Bud formation stage. Flowering stage Fruit setting stage. Fruit formation stage
Vegetable crops on Greenhouses	4 – 5 Kg/ha	Throughout the growing cycle
Vegetable crops on open fields	4 – 5 Kg/ha	
Nurseries	250 – 500 gm on 100 Lit of water and drench	Throughout the propagation period.
Flowers and Ornamentals	4 – 5 Kg/ha or use 3 Kg on 100 Lit water and drench	Throughout the growing cycle

*We recommend to use the minimum dose and repeating every 10 to 14 days during plant growth cycle.



We achieve more because we care for
your crop that care for People



New
Product

A stylized dragon logo where the dragon's head and body form the letter 'D'. The dragon is orange and green, with a red flame-like tail. The word 'ragon' is written in a bold, sans-serif font, with 'ra' in orange and 'gon' in green.

Dragon

Your Partner for Higher Yield

