

# 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 <sup>2</sup>	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	
Nurseries	5-10 Lit/ha	1-1.5 Lit/ha	Every two weeks

Certified by



Product is suitable for Organic Agriculture



## 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	Dispersible 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 relay 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.



# 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	

Certified by



Product is suitable for Organic Agriculture



"This product of vegetal proteins is repacked by MCFP & produced by Italtpollina SPA - Italy"



# Humic Plus 85%

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Product is suitable for Organic Agriculture

**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"> <li>• Bud formation stage.</li> <li>• Flowering stage</li> <li>• Fruit setting stage.</li> <li>• Fruit formation stage</li> </ul>
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.

