

## Liquid Organic Fertilizer

# Fish - fert

2 - 4 - 0.5

*Liquid organic natural fertilizer that derives from the cold enzymatic hydrolysis of fresh fish of the north Atlantic ocean. Due to this special treatment of the fish, Fish-fert retains all the Vitamins, the Amino acids, the Enzymes, the Proteins, the Oils and the Growth hormones that preexist in the fish. Furthermore, Fish-fert contains many macro and micro chelated nutrients. Fish-fert increases the productivity of the plants, improves the quality of the harvest and enhances the growth of healthy and resistant plants. Academic studies have shown that the action of Fish-fert overcomes even a mineral 20 - 20 - 20 fertilizer.*

### STANDARD ANALYSIS

Nitrogen	2.23 %	Manganese	3.0 ppm
Phosphorus	4.35 %	Copper	< 0.1 ppm
Potassium	0.30 %	Zinc	9.0 ppm
Calcium	0.75 %	Boron	2.5 ppm
Sulfur	0.17 %	Molybdenum	< 0.1 ppm
Magnesium	0.04 %	Aluminum	8.0 ppm
Sodium	0.16 %	Cadmium	< 0.2 ppm
Iron	26.0 ppm	Lead	< 1.0 ppm

### Amino acids in percentages % of the weight of the anhydrous product

Threonine	2.29 %	Isoleucine	1.60 %
Aspartic acid	5.41 %	Leucine	3.42 %
Serine	2.74 %	Tyrosine	1.35 %
Proline	3.07%	Phenylalanine	1.67 %
Glutamic acid	8.03 %	Lysine	4.16 %
Glycine	6.22 %	Histidine	1.09 %
Alanine	4.15 %	Arginine	3.74 %
Cysteine	0.38 %	Hydroxyproline	1.67 %
Valine	2.17 %	Methionine	1.81 %

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## PROPERTIES

- Provides all the necessary macro and micro nutrients that are essential for a healthy crop.
- Increases blooming and fruit set.
- Improves the quality of the fruit by increasing significantly its content in micronutrients.
- Stimulates and promotes the seed germination.
- Assists in the formation of sugars inside the plants by increasing the resistance of the plant against stress which is caused by various factors.
- Assists in the growth of bacteria and beneficial soil microorganisms that improve the structure of the soil.
- All the contained nutrients are chelated and as a result they are readily available to plants.
- The contained nitrogen is in the form of amino acids which break down slowly into simple, immediately assimilated by the plants nitrate compounds.
- Prevents the binding of the phosphorus and the mineral nutrients of the soil and instead makes them more soluble and available to the plants.
- Due to the contained oils and proteins, it remains for a longer period of time in the soil for use by the plants.
- Reduces the fertilization cost.
- It is not phytotoxic and does not contaminate the environment.

## APPLICATION RATES - APPLICATIONS

CROP	APPLICATION RATE	APPLICATION TIMING
<b>Vegatables - Horticulture Sweet corn</b>	Foliarly: 500 - 1,500 ml / ha. Fertigation: 25 - 50 l / ha. Seed dipping: 1 - 2 l / 100 kg of water (Let the seed soak thoroughly for 24 hours). Root dipping: 1 - 2 l / 100 kg of water at transplanting.	<b>1st application:</b> At planting, <b>2nd application:</b> At the emergence of the first leaves or when plants reach 20 - 25 cm height for sweet corn, <b>3rd application:</b> Before blooming or prior to tasseling for sweet corn, <b>4th application:</b> Before harvest.
<b>Cereals - Cotton - Tobacco - Beans - Potato</b>	Foliarly: 250 - 1,000 ml / ha. Fertigation: 10 - 30 l / ha. Seed dipping: 1 - 2 l / 100 kg of water (Let the seed soak thoroughly for 24 hours).	<b>1st application:</b> At planting, <b>2nd application:</b> At the emergence of the first leaves for Cotton-Tobacco-Beans-Potato, when plants reach 10-13 cm height for cereals or when plants reach 20 - 25 cm height for corn, <b>3rd application:</b> Before blooming or prior to tasseling, <b>4th application:</b> Before harvest.
<b>Trees - Vineyards</b>	Foliarly: 650 - 2,500 ml / ha. Fertigation: 30 - 60 l / ha. Root dipping: 1 - 2 l / 100 kg of water at planting.	<b>1st application:</b> At the beginning of blooming, <b>2nd application:</b> At fruit set, <b>3rd application:</b> 40 days after fruit set, <b>4th application:</b> After harvest.
<b>Ornamental plants</b>	Foliarly: 500 - 1000 ml / 100 kg of water. Fertigation: 25 - 50 l / ha. Root dipping: 1 - 2 l / 100 kg of water at planting.	Apply every two to three weeks.
<b>NOTE:</b> In case we use Fish-fert along with a mineral fertilizer we can reduce the above mentioned application rates by one quarter.		

## USE

Shake well before any use. Apply within 24 hours after the product's dilution. Apply directly in the tank.

## COMPATIBILITY

It can be mixed with most herbicides, insecticides, fungicides and foliar products. In any case it is recommended to conduct a test of compatibility before mixing in the tank.