

# Rootonic

Rootonic promotes the development of the root system

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## What is Rootonic?

Rootonic is a liquid root biostimulant derived from fresh raw materials of marine origin (sea fish) via smooth and natural process. It contains amino acids, natural hormones, B-complex vitamins, humic-fulvic acids and macronutrients. Due to its composition, it is easily and rapidly assimilable by plants.

## Why do we choose Rootonic?

### Improves

seed germination capacity.

### Promotes

the creation of a rich and healthy root system.

### Enriches

the rhizosphere with beneficial microorganisms by enhancing their growth and multiplication resulting in improved soil structure and meeting the nutritional requirements of the crop.

### Increases

the growth rate of plants and promotes their robustness throughout cultivation.



### Achieves

rapid recovery of plants from transplanting stress, effectively reducing its adverse effects on their growth and enhancing their rapid and successful adaptation to the field.

### Makes

immediately available to the plants the nutrients from the provided fertilization program but also those already present in the soil, increasing the efficiency of fertilization.

### Ensures

the successful treatment of adverse conditions caused by biotic or abiotic factors in later stages of plant growth beyond transplantation, strengthening their root system and therefore their vitality.

## Method of application & Dosages

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**Seed immersion:** 100 cc in 100 liters of water for up to 15min

**Roots immersion:** 1 liter in 100 liters of water up to 5min

**Plant nurseries:** via watering 1 liter in 1000 liters of water

**Transplantation:** 10-15 lt/Ha

**Hydro-lubrication:** 10-15 lt/Ha

**Foliar application:** 250-350cc in 100 liters of water

## Application period

During transplanting but also in later stages of plant growth, when they are threatened by pathogens or in conditions of abiotic stress that cause adverse growth conditions and strengthen the root system of plants is required.

COMPOSITION	% w/w
Total Nitrogen (N)	5.7%
Ammoniacal & Ureic Nitrogen	4.5%
Nitric Nitrogen	1.2%
Phosphorus (P <sub>2</sub> O <sub>5</sub> )	3.1%
Potassium (K <sub>2</sub> O)	1.2%
Organic Matter	38.9%
Amino Acids	757 mg/100g
Organic Carbon	4.3%
Vitamin B1	0.0323 mg/kg
Vitamin B2	0.0469 mg/kg
Vitamin B3	7.48 mg/kg
Vitamin B6	0.554 mg/kg

The product also contains Humic and Fulvic Acids and Natural growth regulatory substances.



## Giving back to Mother Nature

Ikorganic produces organic growth, nutrition and plant protection products. Our philosophy is based on the Circular Economy Model and the Zero Waste Food Strategy, as in our modern facilities we turn animal & plant by-products and herbs of the Greek land into organic fertilizers and new types of organo mineral fertilizers. Further to that, Ikorganic is also active in the field of Research for the production of biological pesticides, totally devoted to ensuring the environmental and human safety.