

Rootzilla

Rootzilla is a certified product for organic farming



What is Rootzilla?

Rootzilla is a natural, liquid plant-derived rooting biostimulant that is fully assimilable by plants. It is a high quality organic product derived from banana and seaweed (*Ascophyllum nodosum*) extract combined with humic and fulvic acids, rich in organic matter, macroelements (mainly potassium), trace elements and bioactive organic compounds (amino acids, vitamins, proteins, natural growth regulators and phenolic compounds with antioxidant activities).

Banana extract

Valuable natural source:

- Nutrient microelements
- Vitamins (A,C) with strong antioxidant action)
- Bioactive compounds

Seaweed extract

- Favors the size and density of the roots
- Promotes the germination rate
- Causes a significant improvement in the vigor of young seedlings

Method of action of Rootzilla

Rootzilla has a triple effect on plants:

At the roots

Stimulates the formation of a healthy root system, while improving its architecture by favouring the growth of both primary and secondary roots, as well as root hairs, resulting in increased water and nutrient uptake from the soil.

In the rhizosphere

Stimulates the activity and proliferation of beneficial soil microorganisms such as nitrogen-fixing bacteria or those that make phosphorus digestible, promoting plant growth. In addition, it makes available to the plant the nutrients present in the soil solution.

In plant metabolism

Stimulates the biosynthesis of endogenous auxin and phenolic compounds essential for root system development, and activates enzymes involved in strengthening the antioxidant defense system of plants. The consequence of the above is the production of products of high nutritional value with increased levels of proteins, flavonoid carbohydrates or other antioxidants

Why choose Rootzilla?

Improves

the germination rate of the seeds

Promotes

the establishment of a rich root system

Achieves

rapid recovery of plants from post-planting stress

Makes

nutrients readily available to plants

Activates

physiological processes of plants

Ensures

successful coping with adverse conditions

Method of Application & Dosages

Rootzilla is suitable for applications through the irrigation system (Fertigation) and foliar spraying. It can also be applied by dipping seeds and roots.

It is generally applied in the following dosages:

Seed dipping: 100 cc in 100 lt of water up to 15 min

Root immersion: 1 lt in 100 lt of water for 5 min

Fertigation : 10-15 lt/Ha

Transplanting: 10-15 lt/Ha

Nurseries: With irrigation water 1 lt in 1000 lt of water

Foliar application: 250-350 cc in 100 lt of water

Period of application

During transplanting and in later stages of plant growth, when plants are threatened by pathogens or in situations of abiotic stress that cause adverse growth conditions and require strengthening of the root system of the plants.

COMPOSITION	% w/w
Total Organic Carbon (TOC)	16%
Organic Nitrogen (N)	3.4%
Phosphorus (P)	1%
Potassium (K)	1.1%
Magnesium (Mg)	0.92%
Calcium	1.98%
Iron	0.015%
Manganese (Mn)	0.04%
Zink (Zn)	0.003%
Organic Matter	85.2%



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.