



**PRODUCT INFO
& DATASHEET**

Biostimulant & Biological activator

SICO BIOROOTER

Liquid rooting and vegetative development activator for soil application.

15/06/2017

1. PRODUCT DESCRIPTION

SICO BIOROOTER is a special liquid nitrogen and phosphorus fertiliser that promotes root development and overcomes post-transplanting stress. It is highly efficient due to:

- starter effect
- rooting development
- rapidly overcomes transplanting stress
- slow release of phosphorus

COMPOSITION

* The phosphorus contents are a mix of poly-phosphate with a different polymerisation grade and slow release.

SICO BIOROOTER releases step-by-step, small amounts of phosphorus to the plant. Depending on the condition of the soil, the time of release is about 40-60 days. This continuous uniform supply of phosphorus guarantees the proper amount of phosphorus is always available for the plants.

* **SICO BIOROOTER** contains three nitrogen forms: urea, ammoniacal and organic, so the product assures a uniform development of the plant. The amino acid, rich in nitrogen and carbon, provides fast development of the soil micro organisms. In this case, the fertility of the soil and the availability of nutrients for growth.

* Finally, **SICO BIOROOTER** also supplies:

- Algae (*Aschophyllum Nodosum*) with their bio-stimulant activity, promote the presence of natural cytokitens, auxines and gibberellins. These help the development of fruit and flowers and provide a resistance to water stress and disease prevention.
- Zinc which promotes root development.

RESULTS

SICO BIOROOTER increases root development, reduces transplanting stress and increases the biological fertility of the soil.

2/ PRODUCT ANALYSIS

<u>Composition</u> :	<u>% w/w</u>	<u>% w/v</u>	<u>Specification</u> :	
Total Nitrogen (N)	10.4	12.4	pH	6.5-7.5
Ammoniacal nitrogen	3.2	3.8	Density	1190 g/L
Ureic nitrogen	6.4	7.6	<u>State</u> :	Liquid
Organic nitrogen	0.8	0.9	<u>Application</u> :	Soil & Drip irrigation
Phosphoric anhydride (P2O5), water soluble	10.7	12.8		
Organic matter (O.M.)	6	7.1		
Zinc (Zn), EDTA-chelated, water soluble	0.15	0.18		

3/ INSTRUCTIONS FOR USE

DOSES, WAY & TIME OF APPLICATION (Doses are referred to each application)

CROPS	APPLICATION RATE	NUMBER AND TIMING OF APPLICATIONS
Leafy vegetables	Soil greenhouse: (3-4 ml/m ²)	1-2 applications: 3-6 days before transplanting; repeat the application 7-10 days after transplanting
Fruit trees, vines, olives trees, vegetables		1 application during vegetative development
Flowers, ornamental shrubs and trees	Soil open ground: (40-60 lt/ha)	1-2 applications: 3-6 days before transplanting; repeat the application 7-10 days after transplanting

4/ NOTE & WARNING

Donot mix with strong acidic products, oxidizing agents, water soluble fertilisers with high ammoniacal nitrogen or copper based products. The product is stable in ordinary storage conditions and temperature range between + 5° C. to + 35° C. It should be applied within 12-18 months from production date for best results.

5/ PACKING

- 1) 6 l can x 2 per carton, 1200 kg per pallet
- 2) 20 l can, 960 l per pallet

Any information in this publication is believed to be accurate and is given in good faith, but is for the customer to satisfy himself of the suitability for his own particular purpose. No representation, warranty or guarantee is made to its accuracy, reliability or completeness.

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 EVERY TIME THE RIGHT SOLUTION