



Root development



Composition

	%w/w
L-free amino acids	10,0
Iron (Fe) Water soluble	2,0
Manganese (Mn) Water soluble	1,0
Zinc (Zn) Water soluble	2,0
Boron (B) Water soluble	0,2
Molybdenum (Mo) Water soluble	0,05



Characteristics

Rhizogenic free amino acids solution, and micronutrients, tuning to be used as a Stimulant of plants, particularly as it relates to the formation of **new roots**.

- Development of higher density of roots
- Increase in the uptake of water and nutrients. Greater resistance to stress factors
- Recovery of roots damaged by nematodes and fungi activity
- Increase in the synthesis of endogenous cytokinins in roots

Specific aminoacids

Rooting bioinductor

sonar ROOT accelerates the biosynthesis of natural phytohormones (auxins, cytokinins, gibberellins and polyamines). This help achieving a complete development of the root system, will also promote growth of both primary and lateral roots. Its composition helps the plant to achieve its maximum genetic potential and establish a strong root system which will increase both nutrients and water absorption.

sonar ROOT also activates different physiological processes, increasing the protein synthesis and metabolic energy produced in photosynthesis. These effects lead to a direct improvement on the root growth and development thus producing a positive feedback on the nutritional status of the crop.

It is suitable for applications during vegetative growth and after root damage (caused by nematodes, fungi or machinery).



Enhances the formation of the root system

Soil Applications

Vegetables

Crop	Time of application	Dosage	Observations
Artichoke	First application after transplant, repeat every 20 days	2L/ha	3 applications
Green Beans, Fava Beans, Peas	First application after transplant, repeat during flowering	2L/ha	Apply 3 times since flowering
Garlic, Onion	Apply 15 days after transplant, repeat each 15 days	3L/ha	2 - 3 applications
Lettuce, Cabbage	First application after transplant, repeat every 3 weeks	2L/ha	3 applications
Strawberry and other Berries	First application after transplant, repeat every 3 weeks	2L/ha	4 - 5 applications
Vegetables in general	First application after transplant, repeat every 2 weeks	2 - 3L/ha	3 - 4 applications

Fruit trees

Crop	Time of application	Dosage	Observations
Banana	Applications distributed during the whole cycle	5L/ha	3 applications
Citrus	Apply at the beginning of fruiting shoots, repeat every 2-3 weeks	10 - 15 cc/tree	3 applications
Fruit trees in general	Apply at the beginning of fruiting shoots, repeat every 2 weeks	10 - 15 cc/tree	3 applications
Grapevine	Apply from the beginning of bud development, repeat every 15 days	1,5L/ha	4 applications

Ornamental

Ornamentals	Apply after every 15 days	3L/ha	3 - 4 applications
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Extensive Crops

Alfafa	Apply after each cut	3L/ha	After cutting apply at 0,2%
Buches	Every 15 days	1,5 cc/plant	3 applications
Tubers	Apply every 15-20 days	2L/ha	3 applications

Nurcery

Nurcery	Ask your local dealer for advice	1 - 2 cc/L	2 applications
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