



Bioradicante®

STIMULATES THE ROOT SYSTEM TO OPTIMIZE CROP YIELD

Benefits of use

BIORADICANTE® is a biostimulant specifically designed for improving and boosting the growth of the root systems. Its formulation helps the plant to achieve its maximum genetic potential and establish a strong root system which will increase both nutrients and water absorption. Bioradicante improves the nutritional status of the crop and vegetative growth, leading to an increased yield.

BIORADICANTE® contains a combination of specific amino acids and micronutrients that accelerate the biosynthesis of natural phytohormones (auxins, cytokinins, gibberellins and polyamines). This will help achieve a complete development of the root system, will also promote growth of both primary and lateral roots, and ultimately benefit the absorption of both water and nutrients from the soil.

BIORADICANTE® 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.



Composition

	(%w/w)
L-free amino acids ¹	10,50
Total nitrogen	2,7
Water-soluble Boron (B)	0,2
Water-soluble Iron (Fe)	4,5
Water-soluble Manganese (Mn)	1,0
Water-soluble Molybdenum (Mo)	0,05
Water-soluble Zinc (Zn)	0,10

¹Amino acids obtained by bacterial fermentation with *Brevibacterium sp* and enzymatic hydrolysis of vegetal proteins.

Efficacy trials

Root Biomass Grapes, Chile

Roots extracted from
6 m³ of soil



Control:
Root weight 130g.

Bioradicante®:
Root weight 180g.



Aerial and Root Biomass Rice, South Korea and Honduras

Improves rooting and vigor
in rice, pepper, lettuce and
chinese cabbage. Trial with
two applications.





Efficacy trials

Root Biomass Tomato, Chile

Increases root development in treated plants.

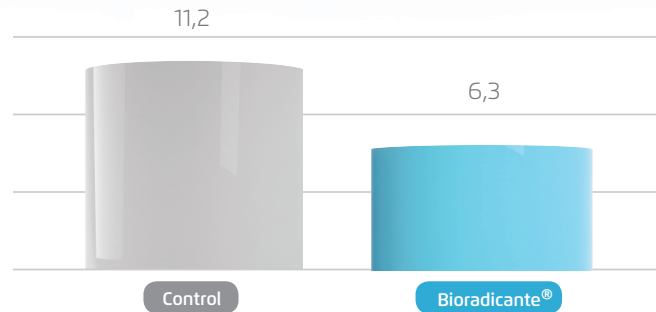


Resistance to Drought Tomato, Futureco Bioscience

Improves resistance to hydric stress in tomato by increasing the root area thus improving nutrient absorption.



% Losses after transplant. Melon cv Honeyloupe, Chile



System and time of application

BIORADICANTE® should be applied by fertirrigation or drenching in different stages of growth. Applications at nursery or after transplant increases the survival of plantlets. It is suitable for applications during vegetative growth and after root damage (caused by nematodes, fungi or machinery).

BIORADICANTE® can be mixed in nutritive solutions for hydroponics.

Stability and storage

BIORADICANTE® is stable during at least 3 years from the manufacture date.

Keep in a fresh and ventilated place with temperatures below 50°C.

Do not store for prolonged periods under direct sunlight.

Keep away from children.

Do not eat, drink or smoke while handling this product.

Dosage

CROP	TIME OF APPLICATION	DOSAGE	OBSERVATIONS
Vegetables	First application after transplant, repeat every 2 weeks.	2 - 3 l/Ha	3 - 4 applications.
Strawberry, berries	First application after transplant, repeat every 3 weeks.	2 l/Ha	4 - 5 applications.
Lettuce, cabbage	First application after transplant, repeat every 3 weeks.	2 l/Ha	3 applications.
Artichoke	First application after transplant, repeat every 20 weeks.	2 l/Ha	3 applications.
Citrus	Apply at the beginning of fruiting shoots, repeat every 2-3 weeks.	10 - 15 cc/tree	3 applications.
Fruit trees	Apply at the beginning of fruiting shoots, repeat every 2 weeks.	10 - 15 cc/tree	3 applications.
Banana	Applications distributed during the whole cycle.	5 l/Ha	3 applications.
Tubers	Apply every 15-20 days.	2 l/Ha	3 applications.
Grapevine	Apply from the beginning of bud development, repeat every 15 days.	1,5 l/Ha	4 applications.
Ornamentals	Apply every 15 days.	3 l/Ha	3 - 4 applications.
Nursery	Ask your local dealer for advise.	1 - 2 cc/l water	2 applications.
Green beans, fava beans, peas	First application after transplant, repeat during flowering.	2 l/Ha	Apply 3 times since flowering.
Alfalfa	Apply after each cut.	3 l/Ha	After cutting, apply at 0,2%.
Garlic, onion	Apply 15 days after transplant. Repeat each 15 days.	3 l/Ha	2 - 3 applications.
Bushes	Every 15 days.	1,5 cc/plant	3 applications.
Hydroponics	During the whole cycle.	1 l/Ha	2 - 3 applications.

Compatibility

For mixing with any other product, before application, it is necessary to conduct a compatibility test, in small volume. For further information, technical advices, or any enquiries, please contact your local distributor.