

# RadiSan Pro®

## ROOTING AGENT TO PROMOTE HEALTHY AND HIGHLY FUNCTIONAL ROOTS

### FEATURES AND BENEFITS

**RadiSan Pro®** is a rooting agent designed to improve the overall health of the rhizosphere. At the plant level, it promotes the development of a well-structured, active, strong, and robust root system by stimulating the formation of primary and secondary roots, as well as the emission of absorbent root hairs. This enhanced root architecture allows better exploration of the soil volume and improves the uptake of water and nutrients.

**RadiSan Pro®** contains amino acids and nutrients specifically selected to support root development. These compounds induce the synthesis of auxins and other amino acids involved in meristematic activity, stimulating the growth of root, shoot, and floral meristems (RAM and SAM).

In addition, due to the presence of secondary metabolites derived from bacterial fermentation, such as lipopeptides (iturins and surfactins), **RadiSan Pro®** promotes cell wall strengthening. These lipopeptides act in the apoplast of root cells as elicitors, increasing the production of reactive oxygen species (ROS) and triggering peroxidase-mediated lignin synthesis. This process reinforces the cell wall and enhances physical barriers against pathogen attack.

Overall, **RadiSan Pro®** improves the plant's defensive capacity and supports the development of strong, healthy roots. A healthier root system translates into increased vigor and growth of the aerial part of the crop and, consequently, improved yield potential.

### FORMULATION

100% water-soluble dispersible microgranules.  
 Dark brown color.  
 Rapid adsorption and easy handling.  
 Free of heavy metals.



### GUARANTEES

(%W/W)

Free amino acids*	19.0
Total nitrogen (N)	6.0
Water-soluble boron (B)	0.05
Water-soluble iron (Fe)	9.0
Water-soluble manganese (Mn)	2.0
Water-soluble molybdenum (Mo)	0.10
Water-soluble zinc (Zn)	0.20

\*Standard aminogram: L-Methionine (1.2% w/w); L-Glutamic Acid (13.5% w/w); L-Glycine (4.5% w/w); L-Tryptophan (0.05% w/w).



## RECOMMENDED DOSES AND TIMES OF APPLICATION

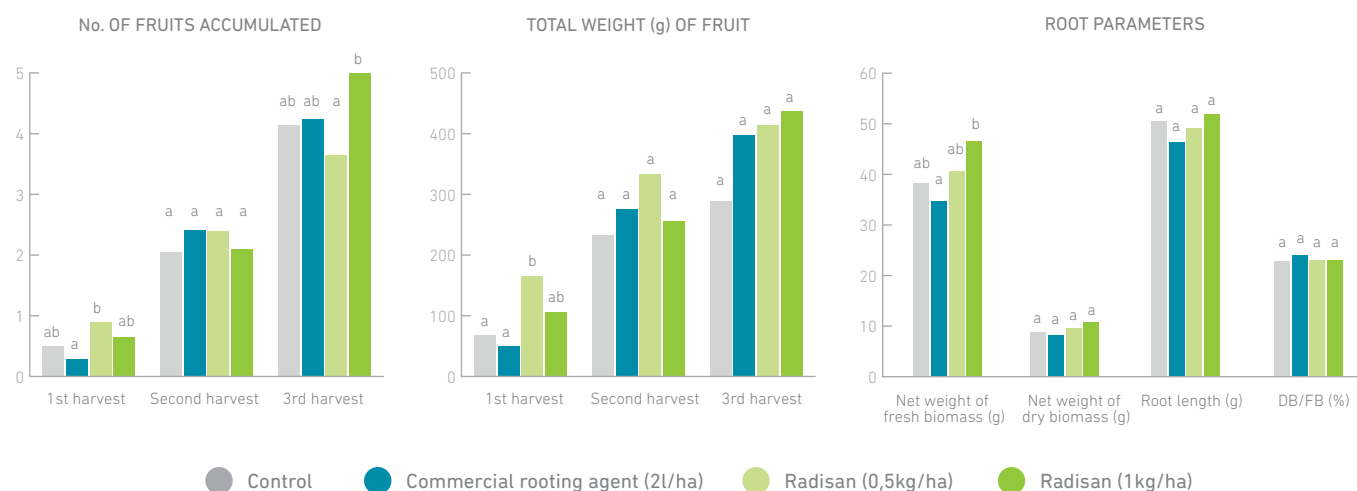
CROP	DOSE (kg/ha)	APPLICATION
Fruit vegetables	1 – 1.5	First application when transplanting, repeat every 2 weeks. 3-4 applications.
Leafy vegetables		
Tuber vegetables	1	Apply at intervals of 15-20 days. 2–3 applications.
Bulb vegetables	1.5	Apply 15 days after transplanting and repeat every 15 days. 2–3 applications.
Vinegrape, Kiwi	2.4	First application when transplanting young trees or plants, repeat every 2 weeks. First application after winter break, repeat every 2 weeks.
Fruit trees		
Small fruit trees, Berries		
Tropical crops	2.5	During disinfection and planting of suckers/corms. Applications distributed throughout the cycle.
Extensive farming	1g	Seed treatment (before sowing): 1g/kg seeds. Water volume: 10 ml/kg seeds.
Ornamental plants	1.5	First application when transplanting, repeat every 2 weeks. 3-4 applications.
Seedbed, Nursery	50 g/hl	Dip seedlings in a solution containing RadiSan Pro before transplanting.

**RadiSan Pro®** It is applied at different stages of cultivation where healthy root growth needs to be promoted. Applications during transplanting ensure higher plant survival rates. It is also recommended for use in cases of root damage caused by fungi, bacteria, nematodes, or the use of agricultural machinery. If you have any questions, contact your local distributor for technical advice.

## APPLICATION SYSTEMS

**RadiSan Pro®** applied via soil irrigation, it is also suitable for use in nutrient solutions in hydroponic crops.

## RESULTS IN THE FIELD: Efficacy study on peppers (Italy, 2019)



## COMPATIBILITY

It is recommended to perform a compatibility test on a small volume before applying any mixture with this product.

## STABILITY AND STORAGE

**RadiSan Pro®** It is stable for at least 3 years from the date of manufacture. Store in a cool, well-ventilated place at temperatures below 50°C. Do not store for long periods in places with direct exposure to sunlight. Keep out of the reach of children. Do not eat, drink, or smoke during use.

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**FUTURECO BIOSCIENCE, S.A.**

Av. del Cadí, 19-23, P.I. Sant Pere Molanta  
08799 Olèrdola. Barcelona - España

www.futurecobioscience.com  
info@futurecobioscience.com

