

RAZORMIN®



YOUR TOTAL BIOSTIMULANT.

ENERGIZES THE HEART OF THE PLANT.



Description

Razormin® is a complete biostimulant with dual action (foliar-root), developed to achieve a balanced and dual activation of the plant metabolism.

Its application is recommended in stages of intense vegetative development and/or fruiting, especially under conditions of high abiotic stress. It also intensively promotes the formation of new absorbent roots if applied through the irrigation system.

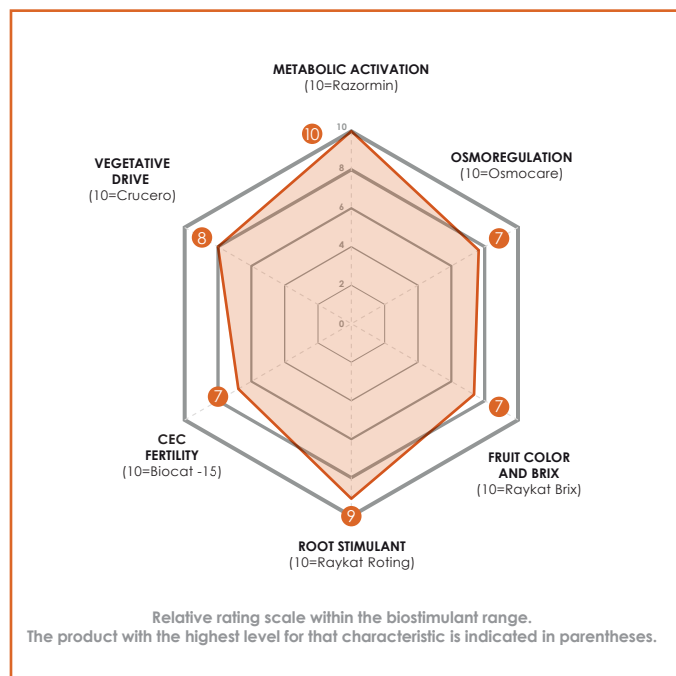
It has a complex formulation, formed from more than 20 compounds, including free amino acids of vegetable origin, polysaccharides, NPK and microelements. **Razormin®** is a reliable total biostimulant for all types of crop situations. In addition, it contains potent organic growth-stimulating compounds such as vitamin complexes and various organic acids that complement its "multisite" biostimulant properties.

Composition

Free amino acids	7 % w/w
Total nitrogen (N)	4 % w/w
Organic nitrogen (N)	2,1 % w/w
Nitric nitrogen (N)	0,9 % w/w
Ammoniacal nitrogen (N)	1,0 % w/w
Phosphorus pentoxide (P ₂ O ₅) water-soluble	4 % w/w
Potassium oxide (K ₂ O) water-soluble	3 % w/w
Iron (Fe) water-soluble	0,4 % w/w
Manganese (Mn) water-soluble	0,1 % w/w
Boron (B) water-soluble	0,1 % w/w
Zinc (Zn) water-soluble	0,085 % w/w
Copper (Cu) water-soluble	0,02 % w/w
Molybdenum (Mo) water-soluble	0,01 % w/w
Also contains:	
Vitamins and organic acids	
Polysaccharides	3 % w/w

Action

- Complete balanced biostimulation: root and foliar.
- Photosynthetic activation and increased vegetative development.
- Recovery against all types of stress: oxidative damage reducer.
- Promotes intense and long-lasting formation of absorbent roots.



RAZORMIN®



BENEFITS OF USING DE RAZORMIN®

3. Total activation of the heart of the crop: balanced and active cultivation.

The main pathways involved in photosynthesis and respiration are promoted through the presence of photosynthetic activators and osmoprotectants supplemented in balance with NPK, microelements and polysaccharides. This improves the internal metabolism of the crop at any phenological stage: sprouting, flowering, fruit growth, ripening and rooting. In short, it enhances the growth of the crop both in normal conditions and in unfavorable stages such as light deficit and low temperatures or periods of high energy demand.

2. Crops that are more resistant to stress and recover faster.

The combination of specific biostimulant factors together with selected amino acids favor the activation of enzymes and antioxidant pathways to diminish the effects of stress. **Razormin®** can be coupled with preventive (priming), curative (buffering) or regenerative (post-damage) strategies to avoid yield drops due to different stresses. Therefore, it is especially recommended in situations of stress by phytochemicals (fungicides or herbicides) and/or abiotic stress related to adverse climatic events: hail, waterlogging, high temperature and water shortage.

3. Intense promotion and renewal of the absorbent root system.

The application directed to the root system improves the functional absorbent root, not only with a higher density of absorbent hairs, but also with a greater activity and duration of its effect over time compared to traditional rooting agents. In this way, it allows the activation of root primordium both in new plantings and in stages of regeneration of absorbent tissue. For example, useful in the formation of new roots in woody crops or in mid-cycle root regeneration in annual vegetables, thereby improving nutrient uptake efficiency.

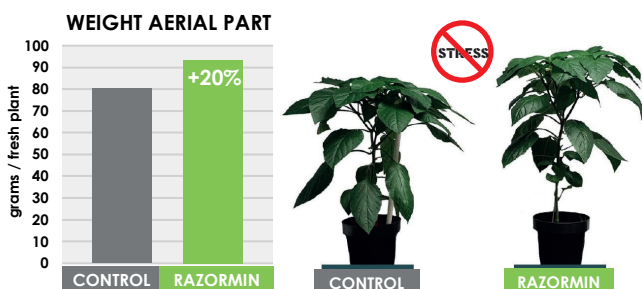
MODE OF USE AND DOSAGE

Razormin® can be used by foliar, fertigation or drench. In addition, it is useful in seed activation. Suitable for all types of crops, applied throughout the whole cycle. Especially recommended in stages of strong vegetative development, high photosynthetic activity, sprouting, fruit set and fruit development, promotion of absorbing rootlets and/or renewal of the root system. In addition, it helps to overcome stressful situations both preventively and in regeneration. In the case of annual crops, it can be used from transplanting or seedling emergence, to enhance the establishment or initial development phase.

CROP	FOLIAR (cc/100l)	FERTIGATION (L/ha)	RECOMMENDATIONS
Horticulture and ornamentals	200-300	2-3	1-3 applications, every 15-20 days, according to crop, phenological state, stress conditions...
Fruit trees and other woody plants	200-300	2-4	Irrigation: establishment, root renewal... 1-3 applications at intervals of 15 to 20 days. *Rooting stakes 60 cc/L for immersion for 18-24 h. Foliar: apply at sprouting, before flowering, with fruit recently set or in the middle of development coinciding with maximum extraction to enhance vegetative development.
Extensive crops	Seed treatment: 0.5-2 L/ton seed Crop treatment: 0.35-1.0 L/ha	-	Seed treatment: pre-sowing mixture to provoke a pre-activation in the nascence and initial development phase, together with the application of fungicide. Crop treatment: every 15 days at key moments of root development. Apply after emergence, from 2-4 true leaves, as well as when reactivation of activity is needed after stress due to phytosanitary treatment, phytotoxicity...
Hydroponic crops	150-300	1-2	Apply weekly dissolved in nutrient solution.
Nurseries and seedbeds	30-50	Consult according to crop	Irrigation: apply the total amount in two applications 7-10 days apart. Foliar: apply weekly from the third week of development (2-3 times).

TESTS

Razormin® thanks to its total biostimulant action, it boosts vegetative development to a great extent, increasing the fresh weight of the aerial part of the plant by up to 20%.



Razormin® strongly promotes root development even more than a hormonal type rooting agent (Competence), due to the synergic effect of all the components of its formula, showing a greater amount of fine absorbent rootlets.



COMPATIBILITY: Do not mix with oils, coppers or sulfurs. In case of mixing, it can potentiate the action of agrochemicals and may produce phytotoxicity.

WARNINGS: Keep out of reach of children. Do not ingest the product. Avoid contact with eyes and skin. Wash with soap and water after application.

NOTA: In terms of the indicated dosage per application, it will be up to the user to decrease or increase it depending on the vegetative stage of the plant and the characteristics of the soil where the crop will be grown. Application recommended under the advice of an Agronomist Technician. For specific dosage recommendations consult your distributor or local representative. The composition, mode of use and dosage of the products may vary in each country due to climatic, technical and/or legal conditions.

