

BIOCAT[®]-15



WAKE UP SOIL!

SUCCESS BEGINS WITH SOIL ACTIVATION.



Description

Biocat[®]-15 is a liquid bioactivator of vegetable origin based on humic/fulvic compounds and balanced organic materials of low molecular weight (l.m.w de low molecular weight) and high reactivity. It has a rapid stimulating action that accelerates the activity and vegetative development from the root, in addition to improving the properties of the plant-soil-beneficial organisms complex.

The high quality plant organic matter of **Biocat[®]-15**, unlike leonardite (high molecular weight humic acids), immediately activates the soil-plant system. This material has a higher number of reactive groups that interact with the soil and increase the exchange of soil nutrients and their uptake by the plant.

Therefore, **Biocat[®]-15** accelerates the activity of the root system, promotes its renewal and improves its functionality, resulting in a general activation of the metabolism. Since its origin, **Biocat[®]-15** has been the tool of choice for the most sophisticated farmers to awaken their soil, whether in conventional or organic farming.

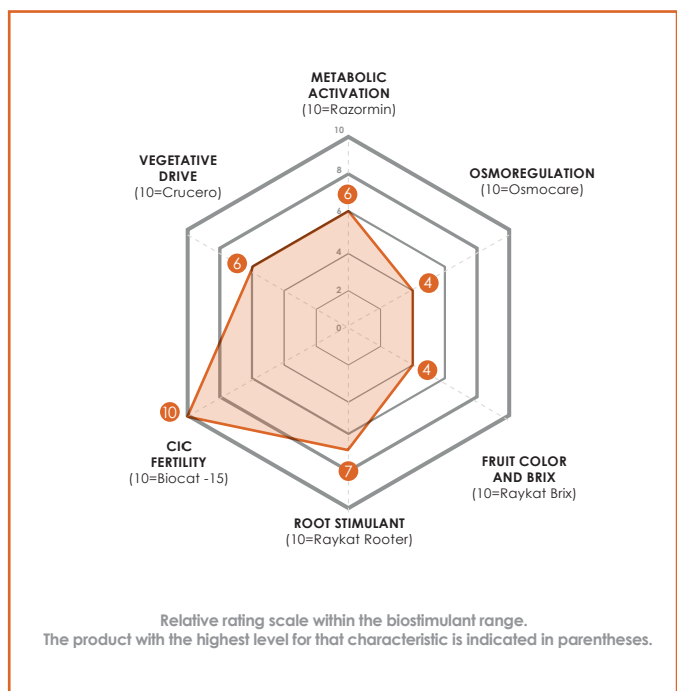
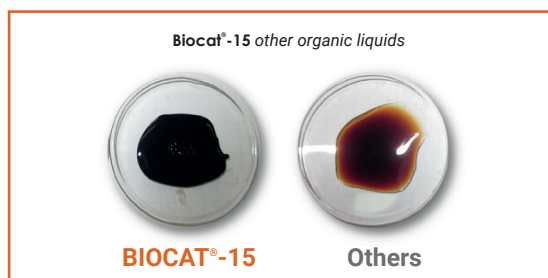
Composition

Total humic extract	15 % w/w
Humic acids	7 % w/w
Fulvic acids	8 % w/w
Potassium oxide (K ₂ O) water-soluble	4,5 % w/w

*It contains humic acids of low molecular weight and high reactivity.

Action

- Immediate bioactivator of the soil-plant system.
- Increases root activity and nutrient flow to the plant.
- Increases effective fertility (CEC) and improves soil structure in the root environment.



BIOCAT®-15



BENEFITS OF USING BIOCAT®-15

1. Activation of the soil-plant environment: immediately more active roots.

Biocat®-15 has a bioactivating effect on the crop by increasing nutritional metabolism from the root, with immediate visible effects on the root system and aerial part of the plant. Given the high amount of functional reactive groups with low molecular weight in the humic extract, **Biocat®-15** increases the activity of root cells, promoting a better capacity to absorb nutrients, resulting in improved root architecture. **Biocat®-15** is therefore the perfect complement in root formation strategies.

2. Increased fertility and nutritional efficiency.

Biocat®-15 has a dual action at both levels of the soil-plant interface. Due to its high number of functional reactive groups in the soil, it increases the colloidal surface area in the root environment and thus the ability to exchange nutrients between the soil and the plant. In this way, nutrients such as P, Ca and K are released, so they can be easily assimilated by the plant. Thus, it solubilizes more nutrients than high molecular weight humic acids from leonardites (large particles more focused on improving structure).

3. Improves the physical and biological properties of the soil.

Improves soil structure and the beneficial microbial population in the soil due to its humic and organic character. In combination, it benefits the crop by achieving: (1) less compaction and more active colloids, leading to better soil aeration and greater water retention capacity, and (2) better transformation of organic matter by microorganisms, mineralizing nutrients that become available to the crop, and solubilizing others retained in the soil.

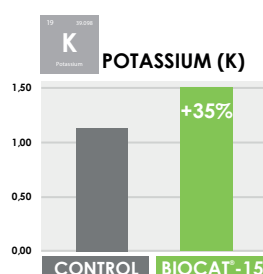
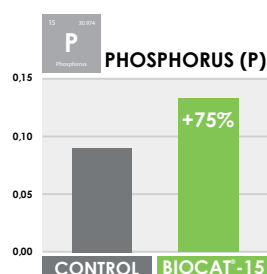
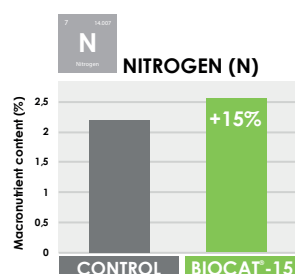
MODE OF USE AND DOSAGE

Biocat®-15 is a product intended for direct application to the soil, preferably by fertigation, to achieve a better distribution in the soil. Suitable for all types of crops, especially in critical phases where it is necessary to activate the soil/plant complex, either in the initial phase of establishment and development or for strategies of nutritional efficiency and root formation in established crops. It is also beneficial in stages of strong vegetative development and nutrient extraction/accumulation.

CROP	FERTIGATION (L/ha)	RECOMENDATIONS
Horticulture	5-20	Apply after the establishment phase (5-10 days after transplanting, depending on the time of year) or prior to maximum extraction phases. 2-3 applications per cycle.
Fruit trees and other woody plants	10-40	Localized applications on root extraction zone at the beginning of root peaks (normally after sprouting and harvesting). In soils with a tendency to caking, repeat treatment 25-40 days. 2-4 applications.
Extensive crops	2-5	Applications in the seeding line or in direct spraying to the soil at the stage of 2-4 true leaves. 1-2 applications per cycle.
Hydroponic crops	1-2	Apply weekly dissolved in the nutritive solution in early stages of the crop, as well as at desired moments of root regeneration.
Ornamentals and seedlings	0,02-0,03 cc/100L of water	Apply sprayed to the trays or in water immersed in the trays, or during fertigation.

TESTS

Biocat®-15 activates the soil-plant environment by increasing the root absorbing structure, as well as the nutrient use efficiency of the soil (NUE), between 15-75% depending on the nutrient, thus optimizing the investment in fertilizer strategies.



COMPATIBILITY: Do not mix with acid reacting products.

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.

NOTE: 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.



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