

Description

CORROBORANT: Plant defense enhancer. Natural substance that improves the plants resistance against biotic and abiotic stress.

Stimulator and natural regulator of the metabolism of all plants. Studies carried out by European testing centres show the corroborating effects which also help increase the resistance of the plant to defend itself against microbial and fungal attacks.

Composition

100% inactivated yeast (autolysated) *Saccharomyces cerevisiae*. GMOs free in compliance with EEC/EU Reg. n. 1829/2003 and EEC/EU Reg. n. 1830/2003 and subsequent amendments.

Technical specification

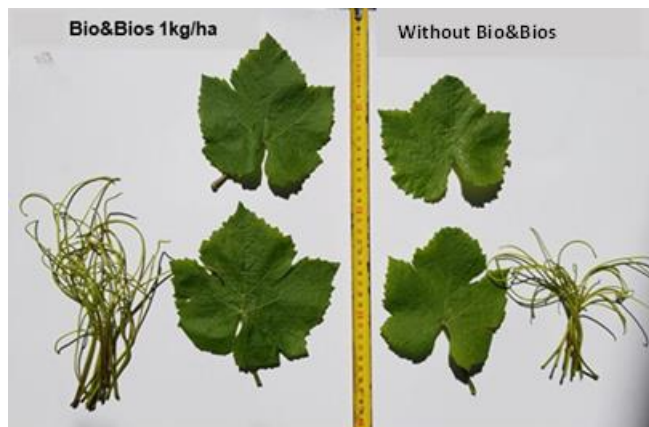
The product is based on *S. cerevisiae* yeast inactivated through physical processes that do not involve heat. This process makes possible to obtain a solution containing substances derived from the disintegration of the cell membrane, cytoplasm and nucleus of the yeasts (particularly B vitamins and some ergosterols). The lysates resulting from this process can act on plants in a systemic and preventive way, stimulating mechanisms related to the plant's metabolism.

Its use improves crop response to environmental stresses such as low and high temperatures, water deficit or over-watering, hail, and/or stresses related to herbicide application. Allows a greater and more balanced plant growth, increased photosynthetic activity, and the consequent increase in yields and production quality.

Balanced crop growth also ensures greater tolerance to biotic stresses (pathogens/insects, etc.).

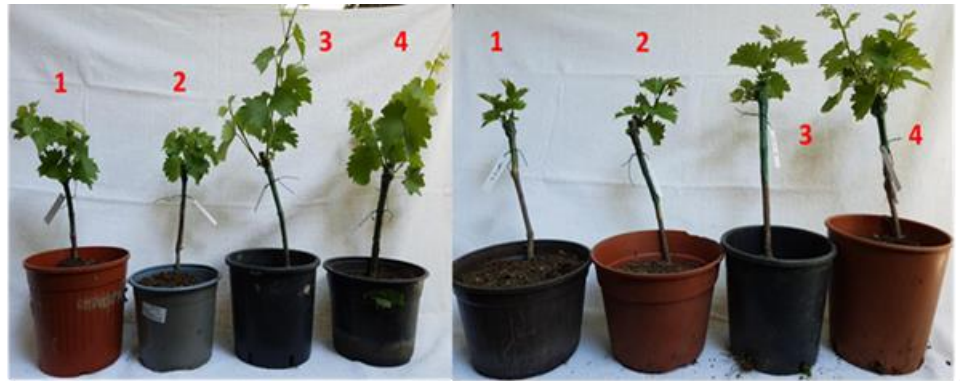
The main characteristics are:

- Nutritious action, providing all B vitamins and ergosterol, which are useful and essential for plant metabolism and for the microorganisms of the soil.
- Helps the plant overcome periods of stress due to drought, pruning, topping, etc.
- Foliar application improves the assimilation of magnesium, manganese and other microelements, supporting greater plant development (Pic. 1).



Pic. 1: Vine leaves with and without foliar treatment

- Used as a corroborant, either by foliar application or in the soil, it has a biostimulating effect on the plant already a few days after treatment (pic. 2).



Pic. 2: As is (1 and 2) and after 5 days after addition of bb 20 q per plant (3 and 4)

- In grapevines, used as a foliar treatment, stimulates the production of phytoalexins that enable the plant to counteract pathogenic organisms such as fungi or bacteria. In the presence of downy mildew there is a rapid effect of confining the disease that does not develop on the plant's entire leaf system (pic.3). It allows to reduce of 50% copper salts dosage recommended in traditional treatments.



Pic. 3: "Confining" effect on blight-affected leaves

Applications and mode of use

- In vegetable plants (studies conducted on strawberry) and cereals ("mais") it helps to increase the hectare yields of up to 10-15%. Dosages of 1 kg/ha increase production by 5 to 7% and of 2 kg/ha increases production by 10-15%.
- Foliar treatment to stimulate vegetation: 2 kg/ha of inactive yeast-BIO&BIOS. Make 2-3 treatments at preflowering and 1 at postflowering.
- As a corroborant in vineyards: 1 to 3 kg/ha alone or together with other foliar fertilizers and pesticides in use. Make 2-3 preflowering treatments and 1 postflowering treatment.
- Foliar treatment on vines with downy mildew: 3 kg/ha of Inactive Yeast-BIO&BIOS combined 50% of the dose of copper sulfate.
- Make 3 treatments 3 days apart as soon as the "oil spot on paper" has been observed.

Compatibility

The product has no contraindications of miscibility with other formulations. Crop compatibility assays on small areas are recommended before extending treatment to larger areas.

Product included in Annex II of Ministerial Decree 229771 of 20/05/2022 establishing provisions for the implementation of EU regulations concerning organic production and not subject to authorization at the Ministry of Health under the aforementioned Ministerial Decree and Presidential Decree n. 55 of 28/02/2012.

Packages

1 kg bottle; 5, 10 and 25 kg can.

Shelf life and storage

Keep in a cool place, dry and away from light.
Shelf life: as indicated on the label.