BIOENOLOGIA 2.0

Tannino-BiosTan

Description

CORROBORANT plant defense enhancer.
Natural substance that improves plant resistance against biotic and abiotic stresses.
Suitable for all fruit crops, allows fast drying and deactivation of rot. Effective against *Botrytis cinerea* (acid rot), powdery mildew, scabies, *Drosophila suzukii* and *Scaphoideus titanus*. It shows marked healing action on the skin of hailstorm-affected fruit and a curative action as a denaturant of laccase and tyrosinase enzymes
Particularly suitable for treating cherry, peach, apple, grapevine (both wine and table grapes), strawberry, and fruit crops in general.
CAN BE USED IN ORGANIC AGRICULTURE.

Composition

Full extract of chestnut tree (*Castanea sativa*).
Tannin content: 74 % w/w.
Aqueous extract of chestnut wood, obtained exclusively by physical processes.

Technical specification

Product obtained by aqueous extraction from chestnut wood, characterized by a high content of glucosidic tannins: hydrolyzable compounds that include both gallic and ellagic tannins.
Polyphenols stimulate plants' natural self-defense reactions against biotic and abiotic adversities, particularly by activating plant resistance mechanisms against pathogens.

> Instantantly denatures the proteins of the enzymes laccase and tyrosinase;
> Molds mycelium quickly and violently desiccates;
> It does not need preharvest interval as it leaves no residue on fruit, must and wine;
> It has an effictive repellent effect on *Scaphoideus titanus*.

Applications and mode of use

The product can be used on all crops with foliar applications.
In orchards and vineyards as a prevention of fungal attacks, it is recommended to use 8 kg/ha of BiosTan dissolved in at least 300 l/ha of water and apply with a sprayer.
For mitifating the effect of funginal diseases and hailstorm on plants and fruits it is recommended to use 10 kg/ha of BiosTan dissolved in at least 300 l/ha of water and proceed with sprinkling with a sprayer.
It exerts fortifying action on plants and induces nonspecific defenses by enhancing their metabolism and self-defense mechanisms. The preventive action of the product induces the production of substancies that can reduce biotic and abiotic stresses.
BiosTan can use as it is, in powder form, with the help of a duster set to the minimum.
Repeat the treatment after heavy precipitation.

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Compatibility

The product is miscible with most commonly used agrochemicals (copper salts), excluding those with an acid reaction. The product is compatible with various fertilizers except those amino acid base and high calcium/phosphorus/magnesium content (especially if the solution has neutral or alkaline pH). Any miscibility tests are still recommended. If there are sensitive crops, do a preliminary test on a few plants before making extensive applications.

Usage precautions

Keep the package well closed away from the reach of children and pets.

Product included in Annex II of Ministerial Decree 229771/20.05.2022 establishing provisions for the implementation of EU regulations concerning organic production including use not attributable to a phytosanitary D.P.R. n. 55/ 28.02.2012, art. 2 par. 1/a.

The product does not have the characteristics of a fertilizer or a phytosanitary product and is subject to the Consumer Code Dlgs 206/2005 as amended where applicable.

Shelf life and storage

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

Packages

25 kg and 5 kg bags.