

NEMATOPROTECT

NEMATODE PROTECTOR

PROTECTIVE MICROORGANISMS AGAINST NEMATODES



PEST CONTROL

NematoProtect is a bionematicide whose action is based on the parasitic activity of the fungus *Paecilomyces lilacinus* on plant-parasitic nematode pests from genera such as *Meloidogyne*, *Heterodera*, *Globodera*, *Tylenchus*, *Pratylenchus*, *Xiphinema*, *Nacobbus*, *Aphelenchus*, and *Helicotylencus*.

NematoProtect parasitizes the eggs and females of nematodes, causing the destruction of ovaries and a reduction in hatching. Additionally, it produces toxins that affect the nervous system and cause deformities in the stylet of the surviving nematodes, significantly reducing damage and their populations.

NematoProtect is an innovative product that contains a combination of spores and mycelium, which enhances its biocontrol activity compared to other products made solely from fungal spores. **NematoProtect** has proven effective in the comprehensive control of all diseases caused by nematodes within an organic management plan. The action of this fungus in the soil within an organic production system can last for two seasons. As natural organisms, they are exempt from EPA tolerance.



BENEFITS

- » Protects the plant from nematodes.
- » Reduces the hatching of eggs.
- » Effective against *Meloidogyne*, *Globodera*, etc.

BIOLOGICAL COMPOSITION

Paecilomyces lilacinus 1×10^9 UFC/ml

AGRONOMIC USE

NematoProtect guarantees a 100% organic and high quality product that can be used for the following crops, although this recommendation is not limited to other agricultural crops: Vegetables in general: Cabbage, cauliflower, broccoli, compass cabbage, radish. Fruit trees in general: Avocado, citrus, peach, guava, mango, coconut, banana, papaya. Solanaceae: Tomato, chili, potato, eggplant, pepper Cucurbitaceae: Cucumber, melon, watermelon, pumpkins. Seeds: maize and sorghum wheat, barley and oats. Berries: blueberry, raspberry, blackberry, blackberry. Other crops: Celery, asparagus, lettuce, onion, chives, carrot, walnut, pineapple, vine, sugar cane, cotton, agaves, oil palm.

DATA SHEET

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APPLICATION METHOD

NematoProtect, owned by Microendo Inc., comes from a fresh and metabolically active crop, so its use is recommended upon receipt. Apply either very early or in the afternoon, avoiding long hours of sunlight and solar radiation.

The product is applied by injecting it into the root or as a drench directly at the base of the plant. Always ensure that the implement to be used has not previously had a bactericide or fungicide. Clean the pump very well before use, preferably with neutral powdered soap. Do not eat, drink, or smoke during the applications, and wash your hands before and after using the product.

is recommended to dilute 1 liter of **NematoProtect** in the cleanest possible natural water per hectare for crops of 1-9 kg. For crops of 10-50 kg, use 2 liters per hectare, and for 60-100 kg, use 3 liters per hectare. Do not dilute in more than 500 liters of water per liter of **NematoProtect**, because microbial crops require a minimum concentration to be effective.

COMPATIBILITY WITH OTHER PRODUCTS

NematoProtect is compatible with all types of fertilizers. In the event of applying a bactericide, fungicide, pesticide, or insecticide, it is necessary to check the residence time of that product and ensure that the application of **NematoProtect** is outside of that period. Additionally, thoroughly clean the equipment to be used for the application; it is recommended to use neutral soap to avoid traces of the previous product. Consult your technical advisor for compatibility with other products. It is not recommended to apply **NematoProtect** if a subsequent application of bactericides, fungicides, or similar products is planned, as this would eliminate the population of microorganisms applied with **NematoProtect**. It is recommended to use a non-ionic adherent, preferably organic or with OMRI registration, to improve the adherence of the product to the leaf surfaces.

APPLICATION FREQUENCY

It is recommended to make 2-3 applications per hectare for optimal colonization of the plant, with a frequency of 7-10 days. This will achieve healthy nutrition and defense for the crop.

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PEST CONTROL

DOSE

Crop	<i>General</i>
Dose	1 L/1 ha
Frequency	7-10 days
Applications	3 applications

STORAGE AND TRANSPORT

Store the product in cool, covered places at room temperature. Do not expose it to the sun's rays.

TOXICITY

100% organic product. It is not phytotoxic at the recommended concentrations, stages and forms of application. In case of ingestion or discomfort at the time of use, induce vomiting and consult your doctor.

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If you think of microorganisms, think of Microendo.

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