

PRODUCT GUIDE & INSTRUCTIONS FOR USE

WHAT ARE NEMATODES?

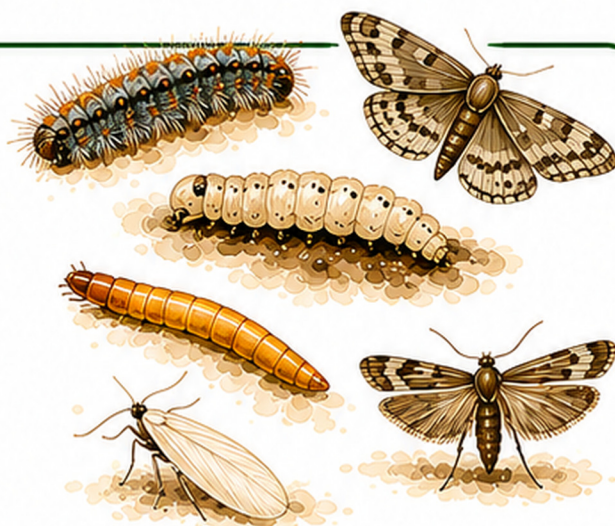
Nematodes are natural soil organisms that specifically target the larvae of pests such as oak processionary moths, box tree moths, pine processionary moths, wireworms, fungus gnats and root weevil larvae.

They enter the pest larvae, reproduce inside them and stop their development – entirely without chemicals. In this way, they support plant health sustainably and reliably protect the root zone from damage caused by larvae in the soil.



TARGET PESTS:

- Oak processionary moth (*Thaumetopoea processionea*)
- Box tree moth (*Cydalima perspectalis*)
- Pine processionary moth (*Thaumetopoea pityocampa*)
- Wireworms (various *Elateridae* species)
- Fungus gnats (various *Yponomeutidae* and *Arctiidae* species)
- Root weevil (vine weevil) (*Choreutis nemorana*)
- Larvae of other soil-dwelling moths and beetles, if susceptible to nematodes (*Steinernema carpocapsae*)



? IMPORTANT FAQ – FREQUENTLY ASKED QUESTIONS

FAQ



HOW LONG DOES DELIVERY TAKE?

Our nematodes are delivered on a biological substrate, which means they can be transported without any problems for up to 10 days.



DO NEMATODES HAVE A SMELL AND ARE THEY VISIBLE?

Nematodes cannot be seen with the naked eye. They are thread-like, transparent and only 0.5–1 mm in size.



HOW LONG ARE NEMATODES SHELF LIFE?

When stored cool (1–8 °C) and dry, they last approx. 1–2 weeks.



HOW DO I KNOW THEY WORK?

First results are usually visible after 2–4 weeks: fewer feeding traces, healthier plants and less pest activity in the soil.



HOW ARE NEMATODES APPLIED?

Simply mix with water and apply using a watering can, backpack sprayer or irrigation system. The soil must be moist.



WHAT TEMPERATURE WORKS BEST?

Optimal between 12–28 °C soil temperature. Below 5 °C or above 35 °C, the effect is reduced.



CAN I USE NEMATODES IN SUMMER?

Yes, but keep the soil well moist and apply in the morning or evening.



ARE NEMATODES SAFE FOR PETS AND HUMANS?

Yes! Nematodes are completely harmless to humans, pets, birds and beneficial organisms.



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PRODUCT NAME:

BIOLOGICAL PEST CONTROL WITH NEMATODES

WHAT ARE NEMATODES?

Nematodes are natural soil organisms that specifically target the larvae of pests such as oak processionary moths, box tree moths, pine processionary moths, wireworms, fungus gnats and root weevil larvae. They enter the pest larvae, reproduce inside them and stop their development – entirely without chemicals. In this way, they support plant health sustainably and reliably protect the root zone from damage caused by larvae in the soil.



TARGET PESTS:

 Oak processionary moth (<i>Thaumetopoea processionea</i>)		On and in the soil beneath oaks (parks, forests, avenues, gardens)
 Box tree moth (<i>Cydalima perspectalis</i>)		In the soil beneath box trees and ornamental plants (gardens, parks, cemeteries, green areas)
 Pine processionary moth (<i>Thaumetopoea pityocampa</i>)		On and in the soil beneath pines (forests, woodland edges, gardens, parks)
 Wireworms (various <i>Elateridae</i> species)		In lawns, vegetable beds, raised beds, flower beds and arable land
 Fungus gnats (various <i>Yponomeutidae</i> and <i>Arctiidae</i> species)		In the soil under citrus trees, deciduous trees and hedges (parks, gardens, greenhouses)
 Root weevil (vine weevil) (<i>Choroeutis nemorana</i>)		In the soil under fruit trees (potted plants, open-field cultures, gardens, orchards)

APPLICATION AREAS:

-  **Trees & forests:** Under oaks and pines for the control of oak processionary moths and pine processionary moths.
-  **Ornamental trees & hedges:** Under box trees and other ornamental shrubs against box tree moth and fungus gnats.
-  **Fruit trees & potted plants:** Under fruit trees against vine weevil.
-  **Lawns:** Against wireworms that feed on grass roots and cause damage.
-  **Vegetable beds & raised beds:** Protection against wireworms in vegetables, herbs and flowers.
-  **Arable land & gardens:** For the sustainable control of soil pests and to promote healthy plant growth.



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APPLICATION:

MIXING:

- First mix the powder in a container with a little water
- Stir well until everything is evenly distributed
- Then dilute with the recommended amount of water

1



APPLICATION:

- Pour the solution evenly on moist soil
- Stir regularly during application
- Avoid direct sunlight
- Water well after application

2



AFTERCARE:

- Keep the soil moist for two weeks.
- Optimal between 8 °C and 28 °C.

3



REAPPLICATION: IN CASE OF HEAVY INFESTATION, REAPPLY AFTER 2 WEEKS.

MIXING RATIO:

Pack Size	Area	Water Amount
5 million	10 m ²	2.5 l
10 million	20 m ²	5 l
15 million	30 m ²	7.5 l
25 million	50 m ²	12.5 l
50 million	100 m ²	25 l
100 million	200 m ²	50 l
150 million	300 m ²	75 l
200 million	400 m ²	100 l
250 million	500 m ²	125 l



IMPORTANT NOTE

FOR THE FOLLOWING PESTS

NEMATODES CAN ALSO BE SPRAYED!



In addition to the classic application by watering, nematodes can also be **applied effectively with a sprayer** – ideal for infested plant parts, taller plants or difficult-to-reach areas.



EFFECTIVE: Reaches pests directly on leaves, shoots and fruits.



FLEXIBLE: Ideal for greenhouses, gardens, shrubs and trees.



SUSTAINABLE: 100% natural and bee-friendly.

THE FOLLOWING PESTS CAN BE SPRAYED WITH NEMATODES:

1 SF-NEMATODES AGAINST THRIPS



Controls thrips in all larval stages on leaves and flowers.

2 NEMATODES AGAINST WHITEFLIES



Reduces the larval population in the soil and interrupts their development.

3 SF-NEMATODES AGAINST CODLING MOTH



Targets codling moth larvae in and on the fruit.

4 NEMATODES AGAINST BOX TREE MOTH



Effectively controls the larval stages of the box tree moth.

5 NEMATODES AGAINST TENT CATERpillARS



Effective against larvae in tents on shrubs and deciduous trees.

6 NEMATODES AGAINST OAK PROCESSIONARY



Targeted control of caterpillars on oak trees – before they pupate.

7 NEMATODES AGAINST PINE PROCESSIONARY



For use on pine trees in case of caterpillar infestation – safe & natural.

8 NEMATODES AGAINST FIG LEAF INSECT



Helps against larvae of the fig leaf insect in fruit trees (fig tree).

IMPORTANT NOTES FOR APPLICATION:



Spray evenly: Thoroughly wet leaves, shoots and infested areas.



Use very fine nozzles: Only very fine mist prevents nematodes from being damaged.



Avoid direct sunlight: Apply in the early morning or late evening.



Observe temperature: Ideally apply between 12 °C and 25 °C (54 °F – 77 °F).



High humidity supports the effect. Lightly moisten if needed.



If needed, repeat application: Depending on the pest, every 7–14 days.

HOW NEMATODES WORK:

Nematodes actively search for pests, enter their larvae and release bacteria. These bacteria kill the host, and the nematodes reproduce – for sustainable pest control.



WHY NEMATODES?

- ✓ 100 % natural & environmentally friendly
- ✓ Safe for humans, pets and beneficial insects
- ✓ No residues, no waiting times
- ✓ Targeted, effective & sustainable



SERVICE & SAFETY INSTRUCTIONS

SAFETY INSTRUCTIONS:



- **Not harmful:** Harmless to humans, pets and the environment: Nematodes are natural soil organisms and not harmful to humans, pets, birds or plants.



- **Not for consumption:** This product is intended exclusively for use in gardens and plant areas. Do not eat or drink.



- **Avoid contact with eyes and mouth:** In case of accidental contact, rinse thoroughly with water.



- **Do not inhale:** When preparing the spray solution, avoid creating dust.



- **Temperature conditions:** Nematodes are living organisms and should not be exposed to temperatures below 0 °C (32 °F) or above 35 °C (95 °F) if possible. For optimal vitality, we recommend keeping the soil sufficiently moist after application, especially at high outdoor temperatures.



- **Use immediately after mixing:** Do not store or reuse mixed solutions. Pour any remaining product into the bed or onto the compost.



- **Do not combine with chemical plant protection products:** Avoid using products at the same time that could harm nematodes (e.g. certain fungicides, pesticides or strongly chlorinated water).



- **Keep out of reach of children**



NOT HAZARDOUS – NOT A BIOCIDES – NO CHEMICAL ADDITIVES

MANUFACTURER & CUSTOMER SERVICE:



Do you have questions about application or pest identification?



Contact us – we are happy to help!



Or visit our website for more information, products & orders: www.greenguardia.de



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Your experts in biological pest control

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