

# Nematode HB Greenhouse - Nursery



**Beneficial nematodes** *Heterorhabditis bacteriophora*

BIOLOGICAL SOLUTION FOR THE CONTROL OF:

√ **White Grubs (European Chafer and Japanese beetle)**

Packaging and coverage:

Packaging (Clay formulation)	Approximate suggested coverage for moderate infestations
250 millions nematodes	12 500 sq. ft./ 1 161 m <sup>2</sup>
2 x 250 millions nematodes (500 millions)	25 000 sq. ft./ 2 322 m <sup>2</sup>
4 x 250 millions nematodes (1 billion)	50 000 sq. ft./ 4 644 m <sup>2</sup>

Target species: **Nematode HB** is a natural solution against moderate larvae infestations of European chafer, Japanese beetle and June beetle.

Mode of action: Once introduced into the soil, the nematodes, *Heterorhabditis bacteriophora*, hunt down and attack larvae by penetrating their bodies. Then symbiotic bacteria are released and contribute to the death of the insect.

Instructions:

- Apply when soil temperature is between 12°C and 30°C (54 to 86°F).
- Apply when it is cloudy either in the morning or in the evening. **(NEMATODES ARE VERY SUSCEPTIBLE TO UV-LIGHT).**
- Apply all dosage contained in unit. Do not divide.
- Apply on moist lawn and soil.
- **REMOVES ALL SIEVES AND FILTERS FROM THE SPRAYER AND CLEAN THE SPRAYER TANK (NEMATODES ARE VERY SENSITIVE TO SOME CHEMICALS).**
- Add the concentrate of nematodes in 10 litres (2 gallon CAN) (15 to 20°C/59 to 68°F). Mix well. Let the solution settle for 5 minutes and then mix a second time.
- Add 1/3 of the required amount of water to the sprayer tank. Transfer the solution into the sprayer tank and fill the water tank until desired volume. Use a minimum rate of 12 L (2.6 gallon CAN) of water per 93 m<sup>2</sup> (1000 pi<sup>2</sup>). **USE THE SOLUTION WITHIN 4 HOURS.**
- The pressure should not exceed 75 pounds per square inch (5 bars). The solution must be shaken uninterruptedly to prevent the nematodes from settling at the bottom. Avoid excessive agitation of tank.
- After application, water the treated surface with 93-186 L (20-40 gallon CAN) per 93 m<sup>2</sup> (1000 pi<sup>2</sup>) to help nematodes penetrate into the soil.
- Keep the soil of the treated area humid for a period of 7 days after application.

Storage: Store in a dark refrigerated area between 4°C and 12°C **(DO NOT FREEZE OR EXPOSED TO MORE THAN 35°C (86°F)). USE BEFORE EXPIRATION DATE.** Do not expose to direct sunlight

Application timing: Spring and fall (refer to TURF CALENDAR).



201 Mgr-Bourget, Lévis, Qc G6V 6Z3

Sans frais/Toll free : 1 (866) 622-3222 Fax: (418) 835-2112 Email: info@aefglobal.com

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# Nematode HB - Greenhouse / Nursery

**Beneficial nematodes** *Heterorhabditis bacteriophora*

BIOLOGICAL SOLUTION FOR THE CONTROL OF:

- √ **Black Vine Weevil** (larval stages)
- √ **Strawberry Root Weevil** (larval stages)

Packaging and coverage:

Packaging (Clay formulation)	Approximate suggested coverage for moderate infestations
250 millions nematodes	5 500 sq. ft./ 511 m2
2 x 250 millions nematodes (500 millions)	11 000 sq. ft./ 1 022 m2
4 x 250 millions nematodes (1 billion)	22 000 sq. ft./ 2 044 m2

Target species: **Nematode HB** is a natural solution against moderate larvae infestations of the black vine weevil (*Otiorhynchus sulcatus*) and the strawberry root weevil (*Otiorhynchus ovatus*).

Mode of action: Once introduced into the soil, the nematodes, *Heterorhabditis bacteriophora*, hunt down and attack larvae by penetrating their bodies. Then symbiotic bacteria are released and contribute to the death of the insect.

Instructions:

- Apply when soil or media temperature is between 12°C and 30°C (54 to 86°F).
- Apply when it is cloudy either in the morning or in the evening. **(NEMATODES ARE VERY SUSCEPTIBLE TO UV-LIGHT).**
- Apply all dosage contained in unit. Do not divide.
- Apply on moist soil or media.
- **REMOVES ALL SIEVES AND FILTERS FROM THE SPRAYER AND CLEAN THE SPRAYER TANK (NEMATODES ARE VERY SENSITIVE TO SOME CHEMICALS).**
- Add the concentrate of nematodes in 10 litres of water (2 gallon CAN) (15 to 20°C/59 to 68°F). Mix well. Let the solution settle for 5 minutes and then mix a second time.
- Add 1/3 of the required amount of water to the sprayer tank. Transfer the solution into the sprayer tank and fill the water tank until desired volume. Use a rate between 58 to 76 L (12.8 to 16.7 gallon CAN) of water per 93 m<sup>2</sup> (1000 pi<sup>2</sup>). **USE THE SOLUTION IMMEDIATELY AFTER MIXING.**
- Irrigate immediately after application to wash nematodes off plants and onto soil or media surface without causing excessive runoff.
- The pressure should not exceed 75 pounds per square inch (5 bars). The solution must be shaken uninterruptedly to prevent the nematodes from settling at the bottom. Avoid excessive agitation of tank.

Storage: Store in a dark refrigerated area between 4°C and 12°C **(DO NOT FREEZE OR EXPOSED TO MORE THAN 30°C (86°F)). USE BEFORE EXPIRATION DATE.** Do not expose to direct sunlight

Application timing: Spring (beginning to mid May) and end of summer (Mid-August to end of September).

Note: The application timing may vary depending on the temperatures of different regions.



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