

Instructions for use:

NemaTrident[®] B and NemaSpreader[®]

STORE IN THE DARK AT 4-7°C

DO NOT FREEZE



syngenta[®]

NemaTrident B contains a naturally occurring beneficial entomopathogenic nematode, *Heterorhabditis bacteriophora* formulated in a wettable powder, enclosed in a non-water-soluble pack. For use on sports and amenity turf and lawncare. Pack sizes of 250 million (0.25 billion) or 500 million (0.5 billion) NemaTrident B nematodes are available.

NemaTrident B controls the larval stages of the following pests:



Welsh chafer
(*Hoplia philanthus*)



Garden chafer
(*Phyllopertha horticola*)



Summer chafer
(*Amphimallon solstitialis*)



Cockchafer
(*Melolontha melolontha*)

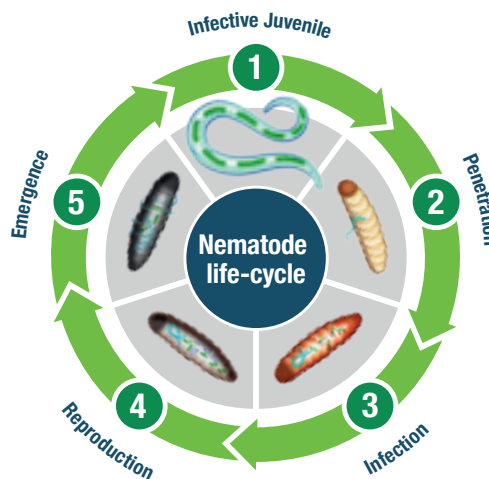
NemaTrident B provides highly effective control of chafer larvae when they come into direct contact with the target pest. Small larvae (early stages) are most susceptible.

To enhance the movement of NemaTrident B and the targeting of larvae at application, it is recommended to always use it in conjunction with NemaSpreader.

The unique dual safe and sustainable component system ensures maximum dispersal of infective juvenile nematodes within the soil which then go in search of larvae to penetrate and kill.

How NemaTrident B works

- 1 NemaTrident B nematodes actively search for larvae in the soil when soil temperatures are above 12°C
- 2 NemaTrident B nematodes penetrate the larvae and release a bacteria that kills the larvae
- 3-5 The infected larvae die and a new generation of infective juvenile nematodes develop inside



NemaSpreader is a biocompatible blend of spreading agents designed to enhance the effective distribution and survival of beneficial nematodes.

NemaSpreader is safe to turf, ornamental crops and to beneficial nematodes. The use of NemaSpreader significantly increases nematode efficacy.

Getting the best results

- NemaTrident B should be applied to moist soil
- Apply in 500-1000 litres of water per hectare
- Clean spray equipment and spray tank before use
- Remove all in line filters, nozzle filters and sieves which could block nematodes
- Use nozzles with at least 0.8mm diameter
- Apply early morning or in the evening when light levels are low
- Always apply with NemaSpreader at a rate of 5 litres per hectare
- Irrigate NemaTrident B in immediately after application but do not saturate the soil (use 1-2 litres of water per sq m)
- Soil should be kept moist for 14 days after application



Syngenta XC 08 nozzles can be used to apply NemaTrident B.
For other nozzles check the orifice is greater than 0.8mm diameter

Compatibility

Do not apply in tank-mix with fertilizers. Application of fertilizers prior to or after NemaTrident B is safe. NemaTrident B is compatible with most pesticides and biostimulants, however a few do have a negative impact; check the Syngenta website or with your local advisor for detailed information.

When products are not compatible, or you are unsure, apply the product 3 days before or 14 days after application of NemaTrident B.

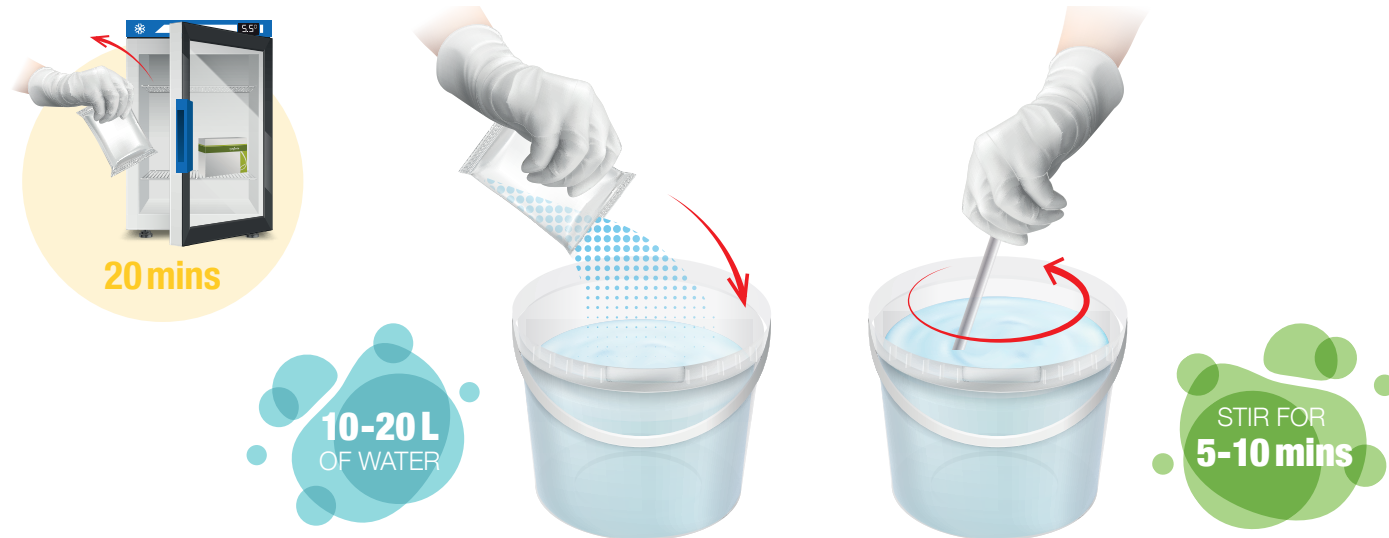


Soil temperatures should be 12°C or above for 3-6 hours per day. **Download the Syngenta Turf Advisor app** to track your soil temperatures, along with other essential data to help with turf management decisions and timing.



Mixing and spraying NemaTrident B

- Take NemaTrident B out of the storage fridge 20 minutes before starting the mixing procedure
- Dissolve product in 10-20 litres of water
- Use complete pack as distribution of nematodes is not homogenous. Rinse the empty pack in the mix
- Stir for 5-10 minutes until completely dissolved
- Fill the spray tank with 3/4 of the required water volume. Add the NemaSpreader at the rate of 5 litres per hectare
- Then add the NemaTrident B solution and top-up with remaining water volume. Maintain constant gentle tank agitation
- Spray immediately. Do not store for longer than 4 hours in the spray tank



Wear suitable protective clothing, gloves and eye/face protection.

Control of Chafer grubs in turf



Directions for use

Application timing

Chafer grubs are the soil borne larval stages of chafer beetles. Adult chafer beetles emerge from May onwards, depending on the species, season and weather patterns. Egg laying begins 2-3 weeks after emergence, and larvae hatch 3-4 weeks later.

NemaTrident B should be applied from July to September to target emerged larvae. Best results will be achieved when applied during periods of prolonged soil moisture and when applied to smaller larvae. Note that some chafer species have life cycles that last up to 3 years, with mixed populations of large and small larvae present at any one time. Where high numbers of larvae are present applications over several seasons could be required to manage populations.

Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec

Soil temperatures need to be 12°C or above for 3-6 hours per day for the nematodes in NemaTrident B to be active. Soil moisture is also required for the nematodes to move freely and for larvae to be active close to the surface.

NemaSpreader is an essential partner to maintain optimum soil conditions for NemaTrident B activity.

Control of Chafer grubs in turf



Apply 5 billion nematodes per ha.

NemaTrident B pack size	Area treated per pack, to deliver an equivalent of 5 billion nematodes per hectare	Number of packs to treat 1 hectare
250 million (0.25 billion)	500 m ²	20
500 million (0.5 billion)	1000 m ²	10

Storage and disposal	Precautions
<p>NemaTrident B: Store in the dark at 4-7°C. The product can be stored for at least 4 weeks; refer to the expiry date on the pack. Rinse packaging thoroughly in clean water during the mixing process. Add washings to sprayer at time of filling. Do not re-use empty packs.</p>	<p>Keep away from children. Wash hands and face after handling. Do not freeze. Wear suitable protective clothing when operating spraying equipment.</p>
<p>NemaSpreader packs: Keep in original container, tightly closed, in a safe place. Wash out container thoroughly, and dispose of safely. Do not re-use container for any other purpose.</p>	



 **NemaTrident® B**

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For more information and product advice please contact Sean Loakes, email: sean.loakes@syngenta.com.

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