



# Leatherjacket Killer

Beneficial Nematodes

- Natural control of Leatherjackets
- Applied with water
- Contains 25 million nematodes
- Treats up to 50sqm





# Leatherjacket Killer

Beneficial Nematodes

Application periods



- Please read inside of pack for detailed application information
- \*Spring application needs to be repeated in the summer
- Use nematodes on receipt or fridge store (do not freeze)
  - Do not fridge store longer than use by date
- Leatherjacket Killer is safe for children, pets and wildlife



For more information, please visit [www.dragonfli.co.uk](http://www.dragonfli.co.uk)

# Leatherjacket Killer

## Beneficial Nematodes

Leatherjacket Killer provides a biological control solution for Leatherjacket larvae (also known as Crane fly) in lawns using entomopathogenic nematodes (*Steinernema species*). Nematodes are living organisms that can be used to control insect pests including Leatherjackets. These are the larvae of Crane Flies, often known as Daddy-long-legs. Damage to lawns is caused by the larvae feeding on grass roots, which can lead to yellowing areas of grass. Secondary damage is often caused by animals and birds attracted to lawns to feed on the Leatherjackets. Severe damage can be caused by animals ripping up areas of lawn. Leatherjackets overwinter in the soil and can appear close to or on the surface, as early as February in certain weather conditions. Leatherjacket Killer can be applied early in the year but is less effective in cold soils. The nematodes will also be killed by sustained freezing conditions. The optimum period for applying Leatherjacket Killer nematodes is in the late summer, after Daddy-long-legs are observed or new lawn damage is seen. This is the time when the soil is warm, providing good conditions for the nematodes and the Leatherjacket larvae are smaller, making them easier to kill.

Leatherjacket Killer nematodes provide a safe, natural solution for control of Leatherjackets. Nematodes enter the Leatherjackets via a natural opening like the mouth and feed on the contents of the Leatherjacket. A natural bacterium is produced by the nematodes inside the Leatherjacket, which kills it. The nematodes also reproduce inside the Leatherjacket, releasing more nematodes into the surrounding area. Once the Leatherjackets are killed, the nematodes die back to natural levels in the soil. Leatherjacket Killer nematodes have no negative effects on plants, humans, birds, fish or mammals.

Leatherjacket Killer can be applied with watering cans, Hose end sprayer nematode applicators or sprayers. If using hose end applicators, read the manufacturer instructions and if applying with sprayers, take out any filters prior to use.

## Preparation prior to application

- For best results apply Leatherjacket Killer nematodes between August-October.
- Spring applications should be repeated late summer/early autumn.
- For severe infestations, apply two applications, two weeks apart.
- Scarify or spike lawn area, if grass thatch is thick, this will aid passage of nematodes into the soil.
- Cut grass prior to application.
- Soil should be moist at application and water treated areas after application.
- Apply on dull or wet days, avoid application on bright days, as nematodes are U.V sensitive.
- Soil temperature should be 10.c plus for nematode activity.

## Application

- Open nematode sachet and empty entire contents into a bucket of 2.5 litres of water to create nematode concentrate solution.
- Stir thoroughly to break up and dissolve carrier material.
- Add 0.5 litre of nematode concentrate solution to an 8 litre watering can and fill with water.
- Using a coarse rose apply contents to an area of 10 square metres.
- One pack will make 5 watering cans to treat an area up to 50 square metres.
- Use all the contents of the pack once opened and do not store made up concentrate solution.
- Nematodes can also be applied with some hose end feeder /nematode applicators and sprayers.

## Post application

- Ensure lawn area is moist for up to 2 weeks after application.





# Leatherjacket Killer

Beneficial Nematodes

- Natural control of Leatherjackets
  - Applied with water
- Contains 50 million nematodes
- Treats up to 100sqm





# Leatherjacket Killer

Beneficial Nematodes

Application periods



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  - Do not fridge store longer than use by date
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## Beneficial Nematodes

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- Spring applications should be repeated late summer/early autumn.
- For severe infestations, apply two applications, two weeks apart.
- Scarify or spike lawn area, if grass thatch is thick, this will aid passage of nematodes into the soil.
- Cut grass prior to application.
- Soil should be moist at application and water treated areas after application.
- Apply on dull or wet days, avoid application on bright days, as nematodes are U.V sensitive.
- Soil temperature should be 10.c plus for nematode activity.

## Application

- Open nematode sachets and empty entire contents into a bucket of 5 litres of water to create nematode concentrate solution.
- Stir thoroughly to break up and dissolve carrier material.
- Add 0.5 litre of nematode concentrate solution to an 8 litre watering can and fill with water.
- Using a coarse rose apply contents to an area of 10 square metres.
- One pack will make 10 watering cans to treat an area up to 100 square metres.
- Use all the contents of the pack once opened and do not store made up concentrate solution.
- Nematodes can also be applied with some hose end feeder /nematode applicators and sprayers.

## Post application

- Ensure lawn area is moist for up to 2 weeks after application.







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## Leatherjacket Killer Nematodes 500 & 1000sqm - Application Instructions (Watering Can)

**Please use immediately upon receipt**

### **Required Conditions:**

- Soil temperature must be above 14°C
- Better results can be expected if lawns have been scarified and tined before application
- Do not apply the nematodes in bright sunshine as nematodes are U.V sensitive. Evening applications are preferable
- Ensure the lawn area is watered and moist before applying nematodes

### **Application:**

#### **500sqm Pack:**

- Split pack into two equal halves
- Add one half of the nematodes to 12.5L of water to create working concentrate
- Stir thoroughly to break up any lumps
- Add 0.5L of the concentrate to an 8L watering can and fill with clean water
- Using a coarse rose apply to 10 square metres of soil
- This half pack will fill 25 watering cans to treat a total area of 250 square metres
- Make sure to stir the bucket before taking out each 0.5L concentrate
- Repeat this process for the remaining half of the pack

#### **1000sqm Pack:**

- Follow the above instructions, repeating the process four times to apply both halves of your two nematode packs

### **Storage:**

- If you cannot apply immediately, store in the fridge (4°C) and use as soon as possible
- Do not freeze the nematodes

### **Next Steps:**

- Continue to keep the lawn moist for 2 weeks after application
- Repeat applications may be required for severe infestations
- To repair damaged turf apply our **Lawn Grub Repair Boost** biostimulant