



# Vine Weevil Killer

Beneficial Nematodes

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





# Vine Weevil Killer

Beneficial Nematodes

## Application periods



- Please read inside of pack for detailed application information
- Use nematodes on receipt or fridge store (do not freeze)
  - Do not fridge store longer than use by date
- Vine Weevil Killer is safe for children, pets and wildlife



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

# Vine Weevil Killer

## Beneficial Nematodes

Vine Weevil Killer (spring) provides a biological control solution for Vine Weevil with entomopathogenic nematodes; *Heterorhabditis bacteriophora*. This species can be used earlier in the year when soil/compost temperatures are lower or in the autumn. Nematodes are living organisms that can be used to control insect pests including Vine weevil larvae. These larvae feed on the roots of plants causing significant damage, often leading to plant death, symptoms include the plants looking like they need watering. Vine weevil larvae are often found in and around the roots. Adult Vine weevils feed on leaves with damage showing as notches or half-moon shaped cuts on the edges of leaves. All adult Vine weevils are females and can lay high numbers of eggs, which develop into plant damaging larvae. Nematodes enter the larvae via a natural opening like the mouth and feed on the contents of the Vine weevil larvae. They release a natural bacterium inside the larvae, which kills it. Infected grubs will often change colour and will be completely broken down by the nematodes. Vine Weevil Killer nematodes have no negative effects on plants, humans, birds, fish or mammals.

Vine Weevil 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 nematodes between Jan-May and August-December
- Soil or compost temperature should be above 8.c for nematode activity.
- Ensure compost/soil is moist at time of application.
- Avoid application in bright conditions, as nematodes are U.V sensitive.



## 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.
- If applying to pots, make sure nematode solution reaches root zone at the bottom of pots.
- 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 soil area is moist for up to 2 weeks after application.





# Vine Weevil Killer

Beneficial Nematodes

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





# Vine Weevil Killer

Beneficial Nematodes

Application periods



- Please read inside of pack for detailed application information
- Use nematodes on receipt or fridge store (do not freeze)
  - Do not fridge store longer than use by date
- Vine Weevil Killer is safe for children, pets and wildlife



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# Vine Weevil Killer

## Beneficial Nematodes

Vine Weevil Killer (summer) provides a biological control solution for Vine weevil with entomopathogenic nematodes; *Heterorhabditis bacteriophora*. This species can be used when the soil/compost temperatures are above 12.c and is the most efficient nematode for the control of Vine weevil larvae. Nematodes are living organisms that can be used to control insect pests including Vine weevil larvae. These larvae feed on the roots of plants causing significant damage, often leading to plant death, symptoms include the plants looking like they need watering. Vine weevil larvae are often found in and around the roots. Adult Vine weevil feed on leaves with damage showing as notches or half-moon shaped cuts on the edges of leaves. All adult Vine weevils are females and can lay high numbers of eggs, which develop into plant damaging larvae. Nematodes enter the larvae via a natural opening like the mouth and feed on the contents of the Vine weevil larvae. They release a natural bacterium inside the larvae, which kills it. Infected grubs will often change colour and will be completely broken down by the nematodes. Vine Weevil Killer nematodes have no negative effects on plants, humans, birds, fish or mammals.

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

## Preparation prior to application

- For best results apply nematodes between Jan-May and August-December
- Soil or compost temperature should be above 12.c for nematode activity.
- Ensure compost/soil is moist at time of application.
- Avoid application in bright conditions, as nematodes are U.V sensitive.



## Application

- Open nematode sachet 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.
- If applying to pots, make sure nematode solution reaches root zone at the bottom of pots.
- 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 soil area is moist for up to 2 weeks after application







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

**Please use immediately upon receipt**

### **Required Conditions:**

- Soil temperature must be above 8°C
- Do not apply the nematodes in bright sunshine as nematodes are U.V sensitive
- Ensure soil is 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
- If applying to pots, make sure nematode solution reaches root zone at the bottom of pots
- 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:**

- Water area / pots treated after use and keep moist for a week after application
- Repeat application, if required, every four weeks until no more Vine Weevil larvae are present