GREEN GUARDIA® CATERPILLAR & MOTH-FREE

Biological insecticide against butterfly and moth caterpillars

For use against authorised pest caterpillars such as:



- Box tree moth
- Winter moth
- Cabbage white butterfly
- Grape berry moth
- Other free-feeding butterfly and moth caterpillars in accordance with the authorisation

For ornamental plants and authorised uses in fruit, vegetable and grape growing.

Not hazardous to bees (B4)

Safe for beneficial organisms when used as directed

Suitable for organic farming in accordance with Regulation (EC) No 834/2007

Contents: 2 portion sachets, 3 g each;
1 sachet = 3 g for 3 L of spray solution

Authorisation/Distribution No.: 024426-66

MODE OF ACTION

How GREEN GUARDIA Caterpillar & Moth-Free works:



1. The plant is thoroughly wetted with the freshly prepared spray solution.
2. The caterpillars feed on the treated leaves.
3. The active ingredient is ingested as the leaves are eaten.
4. Feeding stops after a short time.
5. The pest caterpillars die after approximately 3–5 days.



On box trees, caterpillars often hide deep inside the plant. The interior of the box tree must therefore be sprayed especially thoroughly.

Note:
Early treatment at the first appearance of caterpillars or feeding damage increases control success.

WHEN SHOULD THE PRODUCT BE APPLIED?

Apply GREEN GUARDIA Caterpillar & Moth-Free as soon as the first signs of infestation become visible.

Typical signs of caterpillar infestation:



- chewed leaves
- feeding damage on young shoots
- webbing in box trees
- droppings inside the plant
- visible caterpillars on leaves or shoots

Best time to apply:
Apply in the morning or evening, preferably avoiding strong midday sun.



Temperature:
Application should preferably take place in mild weather. When spraying, the outdoor temperature should be above 15 °C.

Rain:
Do not apply immediately before rain.
After heavy rainfall or if the infestation persists, repeat treatment may be necessary.



Season:
Application is possible during the infestation period as soon as caterpillars or feeding damage appear. For box tree moth infestations, this is often relevant from spring through autumn.



STEP-BY-STEP APPLICATION

1. Prepare the spray solution
Add one **3 g** portion sachet to **3 litres of water** and stir thoroughly until the granules are evenly dispersed.



Important:
Always prepare the spray solution fresh and mix only as much as is needed.

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STEP-BY-STEP APPLICATION

2. Fill the sprayer

Pour the prepared spray solution into a clean spray bottle or a suitable plant-protection sprayer.



3. Treat the plant thoroughly

Spray the affected plants completely.

Especially important:

- Wet the upper surfaces of the leaves
- Reach the undersides of the leaves
- Treat young shoots
- Spray inside dense plants
- For box trees, spray deep into the shrub as well



4. Allow the product to work

After ingesting the product, the caterpillars stop feeding. After approximately 3–5 days, the pest caterpillars die and fall from the plant.



5. Repeat the treatment

For severe infestations, newly hatched caterpillars or after heavy rain, repeat treatment may be advisable. Refer to the application table for the maximum permitted number of applications and the required intervals.



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DOSAGE / STANDARD DOSAGE



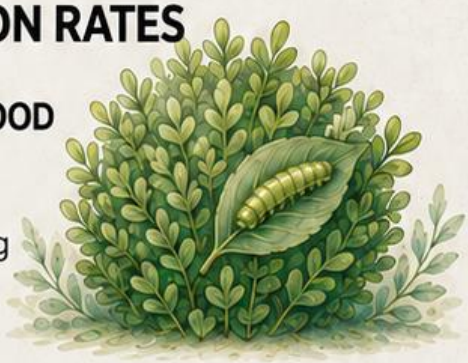
Standard dosage for one GREEN GUARDIA portion sachet:

Dissolve 1 sachet (3 g) in 3 litres of water.

This standard dosage corresponds to the usual concentration of **1 g per 1 litre of water.**

The permitted application rates may vary depending on the crop, plant height and pest. Please follow the application table below.

APPROVED USES AND APPLICATION RATES



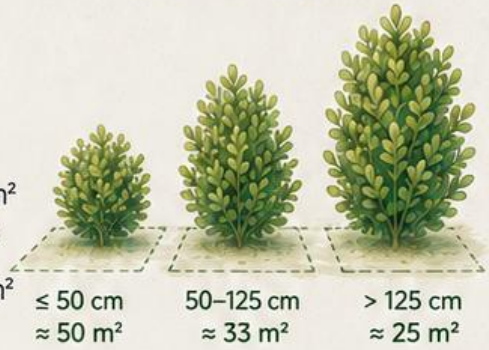
ORNAMENTAL PLANTS — OUTDOOR BOXWOOD

Pest:
Free-feeding butterfly and moth caterpillars, excluding cutworms (Noctuidae), e.g. box tree moth.

Dosage:
Dissolve 3 g in 3 L of water.

Coverage depending on plant height:

- Up to 50 cm plant height: sufficient for approx. 50 m²
- 50–125 cm plant height: sufficient for approx. 33 m²
- Over 125 cm plant height: sufficient for approx. 25 m²



Maximum applications:
Up to 6 applications at intervals of 5–7 days.



Pre-harvest interval:
No pre-harvest interval for ornamental plants.





VEGETABLE CROPS — OUTDOOR BRASSICAS

Pest:
Free-feeding butterfly and moth caterpillars, excluding noctuid caterpillars.

Dosage:
Dissolve 3 g in 3 L of water.

Coverage:
Sufficient for approx. 50 m².

Maximum applications:
Up to 2 applications at intervals of 5–7 days.

Pre-harvest interval:
9 days.



FRUIT CROPS — OUTDOOR POME FRUIT

Pest:
Free-feeding butterfly and moth caterpillars, e.g. winter moth.

Dosage:
3 g in 3 L of water per metre of crown height.

Coverage:
Sufficient for approx. 60 m² per metre of crown height.

Maximum applications:
Up to 4 applications at intervals of 5–7 days.

Pre-harvest interval:
5 days.



VEGETABLE CROPS — NOCTUID SPECIES ON OUTDOOR BRASSICAS

Pest:
Noctuid species and other approved caterpillars on brassicas.

Dosage:
Dissolve 3 g in approx. 1.8 L of water.

Coverage:
Sufficient for approx. 30 m².

Maximum applications:
Up to 6 applications at intervals of 5–7 days.

Pre-harvest interval:
9 days.



VITICULTURE — OUTDOOR TABLE AND WINE GRAPES

Pest:
Grape berry moth and European grapevine moth.

Dosage:
The application rate depends on the growth stage of the vines and the approved use.

Guidance:
For 100 m², use approx. 12–16 g of GREEN GUARDIA Caterpillar & Box Tree Moth Control, depending on the growth stage, in the appropriate quantity of water.

Pre-harvest interval:
6 days.

Note:
For use in viticulture, please consult the complete application table and observe the approved application rates.

AVOID COMMON MISTAKES



Mistake 1: Spraying only the outside

Box tree moth caterpillars often hide deep inside the plant. Always treat the interior thoroughly as well.



Mistake 2: Applying too late

The sooner treatment begins after the first signs of feeding damage, the better the control result.



Mistake 3: Spraying before rain

Heavy rain may reduce effectiveness. Reapplication may be necessary after rainfall.



Mistake 4: Using old spray solution

Always prepare the spray solution fresh and do not store it for extended periods.



Mistake 5: Insufficient coverage

The caterpillars must eat treated plant material. Spray the plants completely and evenly.

PLANT COMPATIBILITY



When used as directed, GREEN GUARDIA Caterpillar & Box Tree Moth Control is well tolerated by plants. No product-sensitive species are currently known. For sensitive plants or special varieties, a test application to a small area is advisable before large-scale use.

USER SAFETY

Avoid all unnecessary contact with the product.

Misuse may cause harm to health. Do not eat, drink or smoke while handling the product. Wear protective gloves, protective clothing, eye protection and face protection. Do not re-enter treated areas or crops until the spray deposit has dried. Do not use with UV stabilisers.



When used in a greenhouse: Ventilate thoroughly before re-entry.



Follow the guideline on personal protective equipment in plant protection, "Personal protective equipment when handling plant protection products", issued by the Federal Office of Consumer Protection and Food Safety.



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GENERAL INFORMATION

If medical advice is needed, have the packaging or label at hand. Remove the affected person from the danger area. First aiders should protect themselves.

AFTER INHALATION

Move the affected person to fresh air and keep them at rest.



Seek medical attention if symptoms or breathing difficulties persist. If unconscious, place the person in the recovery position and call for medical help immediately.

IN CASE OF EYE CONTACT

Immediately rinse the eyes with plenty of water. Remove contact lenses if possible. Continue rinsing for at least 10 minutes. If eye irritation persists, seek medical advice / medical attention.



IN CASE OF SKIN CONTACT

Wash contaminated skin thoroughly with plenty of water and soap. Remove contaminated clothing and shoes. Seek medical advice if skin irritation or other symptoms persist. Wash clothing before reuse.



IF SWALLOWED

Rinse the mouth thoroughly with water. Do not induce vomiting unless expressly instructed by medical personnel. If conscious, give small amounts of water to drink. Seek medical attention immediately if symptoms occur or persist.



Never give anything by mouth to an unconscious person.

HAZARD AND SAFETY INFORMATION

WARNING

Causes serious eye irritation (H319).

Contains Bacillus thuringiensis subsp. aizawai. May cause allergic reactions.

To avoid risks to human health and the environment, comply with the instructions for use.

If medical advice is needed, have the packaging or label at hand.

Keep out of reach of children.

Wear protective gloves / protective clothing / eye protection / face protection.

IF IN EYES:
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice / attention.

Microorganisms may have the potential to cause sensitising reactions.

UFI: Q3I0-AOKX-C001-ST71

INFORMATION ON ENVIRONMENTAL PROTECTION



Up to the maximum application rate or concentration specified by the authorisation, the product is classified as not hazardous to bees (B4).



Due to the selectivity of the product, populations of relevant beneficial organisms are not endangered.



The product is toxic to aquatic organisms that serve as food for fish.



Do not allow application liquids or their residues, the product or its residues, emptied containers or packaging, or cleaning and rinsing liquids to enter bodies of water.



This also applies to indirect entry via sewers, yard and street drains, and rainwater or wastewater channels.



Use of the product in or immediately adjacent to surface waters or coastal waters is prohibited.



Irrespective of this, the minimum distance from surface waters required by state law must be observed.



Violations may be punished with a fine of up to 50,000 euros.

DISTANCE REQUIREMENTS / WATER BODIES

When the product is applied to areas adjacent to surface waters — excluding waters that carry water only occasionally, but including waters that carry water periodically — equipment must be used that is listed in the current version of the "Verlustmindernde Geräte" directory dated 14 October 1993.

The prescribed distances from surface waters must be observed according to the drift-reduction class of the equipment used.

For drift-reduction classes marked "x", both the minimum distance from surface waters required by state law and the prohibition on application in or immediately adjacent to water bodies must always be observed.



Pome fruit:

50%: 5 m
75%: 5 m
90%: x

Drift-reducing technology may be omitted only if at least the prescribed distance from surface waters is maintained during application.

Distance without drift-reducing technology:

Pome fruit: 10 m



STORAGE AND DISPOSAL

Storage

Store the product only in its original packaging. Store in a cool, dry place. Protect from frost and heat. Keep away from food, beverages and animal feed.





Keep out of reach of children.



For the expiry date and batch number, see the print on the packaging.

Disposal



Only completely empty packaging may be sent for recycling.



Do not reuse empty packaging.



Do not allow product residues, spray-solution residues, or cleaning and rinsing water to enter bodies of water.



Dispose of the contents / container in accordance with regulations.

MANDATORY INFORMATION / MANUFACTURER DETAILS

Product name:
GREEN GUARDIA® Caterpillar & Box Tree Moth Control

Area of effect: Insecticide

Active ingredient:
540 g/kg Bacillus thuringiensis subspecies aizawai, strain ABTS-1857, 15,000 IU/mg

Mode of action: IRAC Group 11

Formulation:
WG – water-dispersible granules

Signal word: Warning

Hazard pictogram:
GHS07 – Exclamation mark

Authorisation / distribution no.:
024426-66

User category:
Use by non-professional users permitted.

Authorisation holder:
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QR-CODE / ADDITIONAL INFORMATION

More information online

Scan the QR code for:

- Step-by-step instructions
- Dosage tables
- Images for identifying infestations
- Information on box tree moth, cabbage white butterfly, winter moth and grapevine moth
- FAQ
- Safety data sheet
- Current product information

QR link:
https://www.greenguardia.de/pages/anleitungen

Note:
Read the complete printed instructions for use before application. The online instructions are provided as additional guidance.