Lepinox® Plus

MAPP No. 21436

A Biological insecticide for the control of Lepidopteran pests - wettable powder (WP) formulation.

FORMULATION AND ACTIVE INGREDIENT: A wettable powder formulation containing 37.5 % w/w *Bacillus thuringiensis* subspecies *kurstaki* strain EG 2348.
Potency: 32.000 I.U. *T.ni*/mg of formulated product.

GROUP	11A	INSECTICIDE

IMPORTANT INFORMATION
FOR USE ONLY AS A PROFESSIONAL INSECTICIDE

Crops

Apple (outdoor), chicory - witloof (outdoor), chicory root (outdoor), combining pea (outdoor), courgette and summer squash (outdoor), dwarf French bean (outdoor), globe artichoke (outdoor), hops (outdoor), kale (outdoor), pear (outdoor), radish (outdoor), spinach (outdoor), spinach beet (outdoor), turnip (outdoor), wine grapes (outdoor), winter squash and pumpkin (outdoor)

Max. individual dose (kg / ha)	Max. number of treatments (per crop)	Latest time of application
1	3	1 day before harvest

Crops

Aubergine (protected), melon (protected), pepper and chilli (protected), tomato (protected), watermelon (protected)

Max. individual dose (kg / ha)	Max. number of treatments (per crop)	Latest time of application
1	3	1 day before harvest

Crops

Basil, broccoli/calabrese, Brussels sprout, cabbage, celery, endive, kale, lettuce, oriental cabbages, parsley, radish, strawberry

Max. individual dose (kg / ha)	Max. number of treatments (per crop)	Latest time of application
1	3	1 day before harvest

Crops

Amenity vegetation, natural vegetation, ornamental plant production

Max. individual dose (kg / ha)	Max. number of treatments (per crop)	Latest time of application
1	3	1 day before harvest

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.

GB



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The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work (GB only)

This product must be sold and used only in England, Scotland and Wales.

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Potency: 32.000 I.U. *T.ni*/mg of formulated product.

PRECAUTIONARY STATEMENTS
Keep out of reach of children.
Do not get in eyes, on skin, or on clothing.
Wear protective gloves/protective clothing/eye protection/face protection.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

SUPPLEMENTARY STATEMENTS
To avoid risk to human health and the environment, comply with the instructions for use.

Micro-organisms may have the potential to provoke sensitizing reactions.
Dispose of contents/container to a licensed waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste.

MAPP No. 21436

To access the safety data sheet scan the code or follow the link:
www.fargro.co.uk/?qr=LEPINOX

Approval holder: BIOGARD®

Marketing company: fargro®

PACK SIZE : 1 Kg

Rev. 10-2025

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SAFETY PRECAUTIONS

Operator Protection

Micro-organisms may have the potential to provoke sensitizing reactions.

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

- WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND SUITABLE RESPIRATORY PROTECTIVE EQUIPMENT* when handling the product or applying the product. *Disposable filtering facepiece respirator to at least EN149 FFP3 or equivalent.
- However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection (GB only).
- IF YOU FEEL UNWELL, seek medical advice immediately (show the label where possible).
- IN CASE OF CONTACT WITH EYES OR SKIN, rinse immediately with plenty of clean water.
- WASH HANDS AND EXPOSED SKIN before meals and after work.
- Use only in a well-ventilated area.
- DO NOT BREATH SPRAY

Environmental Protection

- Do not contaminate water with the product or its container. Do not clean application equipment near surface water and avoid contamination via drains from farmyards and roads.

Storage and disposal

- KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.
- DO NOT RE-USE container for any other purpose.
- WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.

Storage

Store the product in a cool, dry, ventilated place. At room temperature (20 °C) product is stable for 3 years; reclose the package if partially used. Avoid direct exposure to sunlight.

DIRECTIONS FOR USE

IMPORTANT: This information is approved as part of the product label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.

LEPINOX® PLUS is a highly selective biological insecticide for use against Lepidopteran larvae. Larvae need to ingest the product to become infected: treat young larvae that feed voraciously before there has been excessive foliar injury. After consuming a lethal dose of LEPINOX® PLUS, larvae will cease to feed, but may remain alive on foliage for several days before dying. Immediately after ingestion of a lethal dose of LEPINOX® PLUS, larvae begin to move slowly, become discoloured, shrivel and blacken prior to death.

Application rate & frequency

- **Apple/pear** – reduction/useful control of caterpillars, principally tortrix species, at the dose of 1 kg/ha. Apply the recommended dose of LEPINOX® PLUS to full height trees typical of GB orchards at full canopy density. Where tree height and/or canopy density is reduced, the dose (and water volume) should be adjusted in accordance with an appropriate dose adjustment scheme. Consult your specialist advisor for further information. Further information on the PACE scheme is available from AHDB, or see the HDC leaflet "Orchard spraying: opportunities to reduce rates" (GB only).
- For the named **field vegetable crops**, reduction/useful control of caterpillars species, principally *Plutella xylostella*, at the dose of 1 kg/ha.
- **Hops and grapevines** – reduction/useful control of various caterpillars species, at the dose of 1 kg/ha.
- **Strawberry** - reduction/useful control of caterpillars, principally tortrix species, at the dose of 1 kg/ha.
- **Tomato, melon, pepper and chilli, aubergine (protected crops) -** reduction/useful control of caterpillars species, at the dose of 1 kg/ha.
- **Ornamental plant production (outdoor and protected), amenity vegetation and natural vegetation** - reduction/useful control of caterpillars species at the dose of 1.0 kg/ha.

Apply treatments immediately after hatching when larval stages I and II are present and, in particular, while the larvae are outside the plant. Repeat treatments after 7 - 10 days if the critical period (i.e. hatching and presence of early larval stages) exceeds this duration. Local conditions may indicate the use of LEPINOX® PLUS at specific times.

Maximum number of treatments: 3.

Mixing and application

Pour half the required volume of water in the spray tank before adding the required amount of LEPINOX® PLUS while making up to the required volume, agitating constantly. LEPINOX® PLUS may be applied with conventional application equipment with quantities of water sufficient to provide thorough coverage of infested plants. As a guide apply between 400 and 1,500 ltr/ha on outdoor crops and between 400 and 2,000 ltr/ha on protected crops. Apply using equipment which distributes medium-high volumes of water. An optimal wetting of crops is essential to ensure treatment effectiveness; application should not be made to the point of run off.

For optimum performance apply LEPINOX® PLUS at the coolest time of day (e.g. between 10 and 20 °C), and avoiding conditions of high light intensity.

If heavy rain falls shortly after application and before the larvae have the opportunity to ingest the product, repeat the application.

Compatibility

Avoid water with a pH > 8, otherwise use an acidifier agent.

Phytotoxicity

No phytotoxic effects have been recorded on a small range of ornamentals. Because of the diversity of crops that may be treated, it is important that a few plants should be tested before treating wider areas. Visible residues may occur following application.

Resistance

It is recommended that LEPINOX® PLUS is used as part of an Integrated Pest Management programme involving other methods of control. This is particularly important for sequential crops.

WARRANTY

The seller makes no warranty, expressed or implied, with regard to the use of the product other than that indicated on the label. The purchaser and user shall assume all risk associated with use and/or handling and/or the storage of the product, if this use and/or handling and/or storage are carried out contrary to the instructions on the label.

TECHNICAL ENQUIRIES: +44 1903 721591
24 HOUR EMERGENCY NUMBER: +44 1903 721591

Always read the label. Use pesticides safely.

Lepinox® Plus is a registered trademark of **CBC** (Europe) S.r.l.

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BIOGARD®

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fargro®

Production batch, identification number and date: see packaging.

The Voluntary Initiative