



STEWARD[®]

PCS No 02603, MAPP 13149

A water dispersible granule containing 300 g/kg indoxacarb for the control of caterpillars in cabbage, cauliflower, broccoli, apples, pears and various protected fruiting vegetables and pollen beetle in winter and spring oilseed rape

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

SAFETY PRECAUTIONS

OPERATOR PROTECTION

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

WEAR SUITABLE PROTECTIVE GLOVES AND SUITABLE PROTECTIVE RESPIRATORY PROTECTIVE EQUIPMENT (disposable filtering facepiece to EN 149 FFP2, or equivalent) when handling the product

WEAR SUITABLE PROTECTIVE GLOVES when during application by broadcast air-assisted sprayer.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection.

TAKE OFF IMMEDIATELY all contaminated clothing
WHEN USING DO NOT EAT, DRINK OR SMOKE.

IF YOU FEEL UNWELL, seek medical advice immediately (show the label where possible).

ENVIRONMENTAL PROTECTION



(UK only) DO NOT ALLOW DIRECT SPRAY from broadcast air-assisted sprayers to fall within 15m of the top of the bank of a static or flowing water body, unless a Local Environment Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 5m of the top of a ditch which is dry at the time of application. Aim spray away from water.

(UK only) This product qualifies for inclusion within the Local Environment Risk Assessment for Pesticides (LERAP) scheme for broadcast air-assisted sprayers only.

Before each spraying operation from a broadcast air-assisted sprayer, either a LERAP must be carried out in accordance with CRD's published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for three years.

(Ireland only) Broadcast air-assisted sprayers – To protect aquatic organisms respect an unsprayed buffer zone of 15m to surface water bodies.

DO NOT CONTAMINATE WATER WITH THE PRODUCT OR ITS CONTAINER (Do not clean application equipment near surface water/ Avoid contamination via drains from farmyards and roads.

STORAGE AND DISPOSAL

KEEP AWAY FROM FOOD DRINK AND ANIMAL FEEDING STUFFS

KEEP OUT OF REACH OF CHILDREN

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place

DO NOT RE-USE CONTAINER FOR ANY OTHER PURPOSE

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Emergency 24-hour contact: Telephone UK 0870 820 0418; Ireland 01 901 4670

England and Wales - National Poisons Information Service 111

Scotland – National Poisons Information Service 08454 24 24 24

Ireland : National Poisons Information Centre (01) 837 9964 or (01) 809 2166

For Professional Use only

(UK only) This label is compliant with the CPA Voluntary Initiative Guidance

Contents: 500 grams

Batch No XXXXXX

SAFETY INFORMATION

STEWARD

Insecticide – contains 300 g/kg indoxacarb

Contains Indoxacarb. May produce an allergic reaction



WARNING

Harmful if swallowed.

May cause damage to organs (nervous system).

Very toxic to aquatic life with long lasting effects

Do not breathe vapours/spray.

Wash hands and face thoroughly after handling.

Do not eat, drink or smoke when using this product.

IF exposed or if you feel unwell: Call a POISON Centre or doctor/physician.

Collect spillage.

Dispose of contents / container to a licensed hazardous-waste disposal contractor or collection site except for triple rinsed empty clean containers which can be disposed of as non-hazardous waste.

Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).

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

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IMPORTANT INFORMATION			
FOR USE ONLY AS A PROFESSIONAL INSECTICIDE			
For Professional use only			
Crops	Max. Individual dose (g product/ ha or 100 l water)	Max. number of treatments	Latest time of application
Cabbage, cauliflower, broccoli	85 g/ha	3 per crop	1 day before harvest
Protected cucumber, courgette, marrow, winter squash, pumpkin, melon, aubergine, tomato and pepper	12.5 g/100 l water	6 per year	1 day before harvest
Apples, pears	250 g/ha	3 per year	7 days before harvest
Winter and Spring Oilseed rape	85 g/ha	1 per crop	Before GS 60 (first flowers open stage)
<p>OTHER SPECIFIC RESTRICTIONS</p> <p>When applying to protected crops the maximum spray concentration must not exceed 12.5 g product/100 litres of water</p> <p>(UK only) This product qualifies for inclusion within the Local Environment Risk Assessment for Pesticides (LERAP) scheme for broadcast air-assisted sprayers only. Before each spraying operation from a broadcast air-assisted sprayer, either a LERAP must be carried out in accordance with CRD's published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for three years</p> <p>(IRL only) – Method of application: Tractor mounted sprayer, Knapsack and Orchard blast sprayer</p> <p>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</p>			

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.

RESTRICTIONS

- Steward must not be applied to any crop suffering from stress as a result of drought, waterlogging, low temperatures, pest or disease attack, nutrient or lime deficiency or other factors reducing crop growth.
- Good agricultural practice suggests that Steward should be used when bees are less active (i.e. early morning or late evening).

INSECT CONTROL

STEWARD is an oxadiazine (IRAC group 22) insecticide used for the moderate control of pollen beetle (*Meligethes spp.*) and the larvae of various Lepidopteran (caterpillar) species. Activity is by ingestion and contact. The product also shows ovicidal efficacy against some species. Paralysis of the pest occurs within a few hours of exposure and results in cessation of movement and feeding. Optimal effectiveness takes 6-7 days

Insect resistance

When insecticides with the same mode of action are used repeatedly over several years to control the same species in the same field, naturally-occurring resistant strains may survive a correctly applied treatment, propagate, and become dominant in that field. An insect can be resistant if the product applied under recommended conditions does not work well. Some insects (e.g. *Cydia pomonella*) have developed resistance to commercially available products. When resistance occurs, recommended rates fail to suppress the pest population below economic thresholds.

It is important that the grower considers the following:

- Alternate the use of Steward with products with a different mode of action than indoxacarb.
- Monitor insect populations and apply Steward when locally determined economic thresholds are reached. More than one application may be necessary for any infestation.
- Follow the directions for use as mentioned on this label, regarding dose, interval and optimum application timing.

Growers should consult the IRAG website for further information on the current resistance management strategy for pollen beetle.

CROPS

Steward may be applied to the following crops:

Cabbage, cauliflower and broccoli

- Pests controlled:** Cabbage whites (*Pieris spp.*), Cabbage moth (*Mamestra brassicae*), Garden pebble moth (*Evergestis forficalis*), Cabbage leafroller (*Clepsis spectrana*) and Diamondback moth (*Plutella xylostella*).
- Dose:** 85 g/ha in 200 l/ha using boom sprayer.
- Timing:** Treat when first caterpillars are detected or 7-10 days after trapping of the first adults in pheromone traps. Subsequent treatments may be applied at 8 –14 day intervals as required.

Protected cucumber (gherkin), courgette (zucchini), marrow, winter squash, pumpkin, melon, aubergine, tomato and pepper

- Pests controlled:** Golden twin-spot moth (*Chrysodeixis chalcites*), Beet armyworm (*Spodoptera exigua*), Cabbage moth (*Mamestra brassicae*), Tomato moth (*Lacanobia oleracea*), Silver y-moth (*Autographa gamma*) and other *Plusia* species and leafrollers.
- Dose:** 0.0125% w/v (12.5 g/100 L of water)
- Timing:** Treat as soon as the first caterpillars (damage) are detected. Subsequent treatments may be applied at 8 –14 day intervals as required.

Apples and pears

- Pests controlled:** Steward will provide moderate control of Marbled orchard tortrix (*Hedya nubiferana*), Large fruit tree tortrix (*Archips podana*), Rose tortrix (*Archips rosana*), Straw-coloured tortrix (*Clepsis spectrana*), Dark fruit tree tortrix (*Pandemis heparana*), Bud moth (*Spilonota ocellana*), Summer fruit tortrix (*Adoxyphyes orana*), Codling moth (*Cydia pomonella*), Winter moth (*Operophtera brumata*) and *Orthosia spp.*
- Dose:** A rate of 250 g/ha should be used for trees of 3.75m height in a single row system, 3.25 m height in a 2 or 3 row system and 2.25m in a 5 row system. 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, for example PACE. However, if reducing the dose according to tree height or canopy density, do not use less than 170g/ha. Consult your specialist advisor for further information. (UK only) Further information on the PACE scheme is available from HDC, or see the HDC fact sheet available from HSE's website <http://www.pesticides.gov.uk/HDC.pdf>
- Timing:** Apply at egg-hatch. Subsequent treatments may be applied at 10 –14 day intervals.

Winter and Spring Oilseed rape

Pest controlled:	Steward offers moderate control of Pollen beetle (<i>Meligethes spp.</i>)
Dose	85 g/ha in 200 l/ha using boom sprayer.
Timing	Apply when pollen beetles are present and reaching threshold levels. Application may be made before GS 60 first flowers open growth stage.

MIXING

Before using Steward, make sure that the spraying equipment is clean. Steward mixes easily with water, but the following mixing procedure should be followed: Quarter fill the spray tank with clean water, start the agitation and add the required quantity of Steward directly to the tank without prior creaming. Continue agitation while topping up the tank and while spraying. (IRL only) Follow the Good practice guide for empty pesticide containers

SPRAY TANK CLEAN-OUT

Immediately after application, completely drain spray equipment. Thoroughly rinse sprayer and flush the hoses, boom and nozzles with clean water. Loosen and physically remove visible deposits. Remove and clean nozzles, screens and strainers. Flush the entire system with clean water. Take all necessary safety precautions when cleaning equipment. Do not clean near wells or water sources. Consult label tank cleanup procedures for all tank mix partners and be sure to use the most rigorous procedure recommended.

NOTICE TO BUYER

All goods supplied by us are of a high grade and we believe them to be suitable for any purpose for which we expressly supply them, but as we cannot exercise control over their mixing or use, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our goods are excluded and no responsibility will be accepted by us for any damage or injury whatsoever arising from their storage, handling, application or use.

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Insert MSDS here

[insert QR code and wording]

To access the Safety Data Sheet for this product scan the code