



Dow AgroSciences



Dursban® WG

INSECTICIDE

Product Registration Number: MAPP 17932

A water dispersible granule containing 75% w/w chlorpyrifos-ethyl.

An insecticide for the control of cabbage root fly on protected crops of Broccoli/calabrese, Brussels sprout, cabbage, cauliflower by automated gantry sprayer only.

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

Chlorpyrifos-ethyl is an anticholinesterase organophosphate. Handle with care.

READ DIRECTIONS FOR USE ON ATTACHED LEAFLET



Product Identifier according to Art.18 of Reg. (EC) No 1272/2008

[CLP]:

DURSBAN® WG: contains Chlorpyrifos-ethyl, Methanol, 2,3,5,6-Tetrachloropyridine, Sulfotep

Warning

Harmful if swallowed

Very toxic to aquatic life with long lasting effects

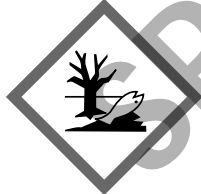
IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell.

Collect spillage.

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

Contains 1,2-benzisothiazolin-3-one. May produce an allergic reaction.

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



To access the Safety Data Sheet for this product scan the QR code or use the weblink below:



<http://uk.dowagro.com/wp-content/uploads/DURSBAN-WG-SDS.pdf>

Alternatively contact your supplier

1 kg (Sachet)

Dow AgroSciences Limited

CPC2 Capital Park, Fulbourn, Cambridge, CB21 5XE.

Telephone: (01462) 457272 Fax: (01462) 426605

24 Hour Emergency Telephone Number: +44 (0) 1553 761251

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This label is compliant with the CPA Voluntary Initiative Guidance



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SAFETY PRECAUTIONS

Operator protection:

This product contains an anticholinesterase organophosphate. DO NOT USE if under medical advice not to work with such compounds.

This product must only be applied as a drench via automated gantry sprayer.

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

WEAR SUITABLE PROTECTIVE GLOVES when handling the concentrate.

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

WASH CONCENTRATE from skin or eyes immediately.

DO NOT BREATHE SPRAY.

WASH HANDS AND EXPOSED SKIN before meals and after work.

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

Environmental protection:

DO NOT RE-USE CONTAINER

Storage and disposal:

STORE UNUSED SACHETS in a safe place. DO NOT STORE half-used sachets. KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank, and dispose of safely.

DO NOT RE-USE CONTAINER for any purpose.

Symptoms of Poisoning

These may include excessive sweating, headache, weakness, fainting and giddiness, nausea, stomach pains, vomiting, small pupils, blurred vision, muscle twitching.

First Aid

If any of the above symptoms occur, particularly if there is known contamination:

STOP WORK

Remove contaminated clothing. Wash exposed skin and hair.

Prevent all exertion.

Call doctor AT ONCE and show him this label.

Guide to Doctor

DURSBAN WG contains chlorpyrifos-ethyl, an anticholinesterase organophosphorus compound.

Specific Treatment:

1. IN ALL CASES AND AS EARLY AS POSSIBLE inject atropine sulphate 2 mg or pro rata for children and repeat (if necessary) until fully atropinised.
2. IF AVAILABLE administer pralidoxime 1 gram by intra-muscular injection. Repeat after 3-4 hours.

Other Measures:

1. Keep airway clear.
2. Watch respiration - intubation with endotracheal tube, or tracheotomy may be necessary in conjunction with artificial respiration.
3. Put patient at complete rest in hospital for 24 hours at least.

Confirmation of Diagnosis

By estimating cholinesterase activity (5 ml blood, unhaemolysed, collected in an anticoagulant).

Further advice from:

Dow AgroSciences Limited

CPC2 Capital Park, Fulbourn, Cambridge, CB21 5XE

Tel: (01462) 457272: Fax: (01462) 426605

24 hour Emergency Telephone Number: +44 (0) 1553 761 251

or from nearest National Poisons Information Service.

DIRECTIONS FOR USE

IMPORTANT: This leaflet 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.

IMPORTANT INFORMATION.

FOR USE ONLY AS A PROFESSIONAL INSECTICIDE

Crop	Maximum Individual Dose (kg product/ha unless otherwise stated)	Maximum Number of Treatments (per crop unless otherwise stated)	Latest Time of Application
Broccoli/calabrese (protected), Brussels sprout (protected), cabbage (protected), cauliflower (protected)			
Peat blocks (drench application):	60g product per 5000 peat blocks - drench application (see 'Other specific restrictions (1)(a) and (2)') OR	One prior to planting out	4 leaf stage
Modules (drench application):	30g product per 5000 modules - drench application (see 'Other specific restriction (1)(b) and (2)')	One prior to planting out	4 leaf stage

Other specific restrictions:

- (1) For drench applications the following maximum concentrations must not be exceeded:
 - (a) Peat blocks containing cabbage, cauliflower, Brussels sprout and broccoli/calabrese: 60g of product per 25 litres of water.
 - (b) Modules containing cabbage, cauliflower, Brussels sprout and broccoli/calabrese: 30g of product per 5 litres of water.
- (2) A minimum interval of at least 90 days must be observed between application and harvest of the crop.
- (3) A maximum planting density of 90,000 treated plants/blocks per hectare must not be exceeded when transplanting peat blocks to the field.
- (4) Do not plant out more than 1 treated crop to the same area of land in any one year.
- (5) Treatment must only be made under 'permanent protection' situations which provide full enclosure (including continuous top and side barriers down to below ground level) and which are present and maintained over a number of years.
- (6) Reasonable precautions must be taken to prevent access of birds, wild mammals and honey bees to treated crops.
- (7) To minimise airborne environmental exposure, vents, doors and other openings must be closed during and after application until the applied product has fully settled.
- (8) Non-returnable containers must not be re-used for any purpose.
- (9) Total reliance on one mode of action may hasten resistance development. Where relevant use in integrated treatment programmes with alternative chemical and non-chemical modes of action

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.

RESISTANCE MANAGEMENT

Total reliance on one mode of action may hasten resistance development. Where relevant use in integrated treatment programmes with alternative chemical and non-chemical modes of action.

MIXING INSTRUCTIONS

Half fill the sprayer tank with clean water and commence agitation. Add the appropriate amount of DURSBAN WG insecticide and add the remainder of the water. Agitate continuously during mixing and until application is complete.

Note: DURSBAN WG is not compatible with zineb, boron or highly alkaline materials. Please ensure spraying equipment is thoroughly cleaned if using DURSBAN WG after either of these substances.

SPRAY QUALITY

Apply DURSBAN WG as a MEDIUM quality spray as defined by the BCPC system.

BRASSICA CROPS

DRENCH TREATMENT

For the control of cabbage root fly.

This product must only be applied as a drench via automated gantry sprayer.

PEAT BLOCK/MODULE DRENCH TREATMENT:

Brussels sprout, cabbage, calabrese and cauliflower grown in peat blocks and modules can be treated prior to transplanting out.

TIME OF APPLICATION

Crops should be treated at the 3 to 4 leaf stage. Only good crops with good leaf condition that are growing vigorously should be treated.

LATEST TIME OF APPLICATION

4 leaf stage.

MAXIMUM NUMBER OF APPLICATIONS

One prior to planting out.

APPLICATION METHOD, DOSE AND VOLUMES - PEAT BLOCKS

The leaves should be moistened with a light spray of water immediately before treatment.

DURSBAN WG should then be applied at 60 g per 5,000 blocks (43 X 43 X 43 mm) in as dilute a solution as possible. The drench volume should be determined by estimating the uptake of water by one block and then multiplying by 5,000 to calculate the volume for the 5,000 blocks to be treated. This volume should then be at least 25 litres per 5,000 blocks.

Immediately after treatment, the spray should be washed off the leaves of the treated crop with water. The volume of water should be sufficient to clear the leaves of spray deposit but not so much that DURSBAN WG is leached from the block. Any such leaching will reduce pest control and may also lead to soil contamination (see 'Notes' below).

APPLICATION METHOD, DOSE AND VOLUMES – MODULES

Application is a 3 stage process:

- a) moisten the leaves of the plants to be treated immediately prior to treatment
- b) apply the DURSBAN WG drench
- c) wash off the DURSBAN WG drench from leaves of plants with water

It is important that the total volume of water used in these three stages does not exceed the water holding capacity of the modules, otherwise leaching of the DURSBAN WG will occur which may reduce cabbage root fly control and lead to contamination of underlying glasshouse soil (see 'Notes' below).

The water volumes below are given as a guide for modules of 11 to 13 ml capacity (the minimum size and hence the minimum volume recommended). Larger volumes can be used with larger modules.

Leaves of the plants should be wetted with a light spray of water immediately before treatment using 2 litres per 5,000 plants.

DURSBAN WG should then be applied at 30 g in 5 litres of water per 5,000 plants.

Immediately after treatment the insecticide must be thoroughly washed off the leaves of the plant with clean water, using 5 litres of water per 5,000 plants.

NOTES: PEAT BLOCKS AND MODULES

DURSBAN WG **MUST BE APPLIED ALONE.** Tank mixing of DURSBAN WG for this use is liable to produce severe leaf scorch.

DURSBAN WG should not be used to treat blocks or modules which will be planted out before the beginning of April.

Breakdown of DURSBAN WG in soils inside glasshouses can be very slow. Residues, even from one application of DURSBAN WG at the high concentrations used, can damage susceptible crops (e.g. lettuce, celery, Chinese leaves, chrysanthemums etc.) planted several months later. To avoid this do not apply DURSBAN WG in such a large volume of water that it passes through the compost. Also prevent the spray contaminating the pathways and covered areas surrounding the trays being treated. This can be done in a number of ways e.g. interceptor trays, polythene sheeting, use of correct water volumes etc. After use, remove plastic sheeting, wash down and dispose of safely.

When handling recently drenched trays of plants, PROTECTIVE RUBBER GLOVES AND COVERALLS MUST BE WORN.

Modules should generally be transplanted as soon as possible after treatment. However, DURSBAN WG can be leached out of the compost in the first 24 hours after application after which it becomes strongly bound (absorbed) onto the peat. If plants are to be despatched freshly watered, DURSBAN WG should be applied a few days beforehand to ensure that it is not leached from the module during the final watering.

Transplanting of treated blocks and modules to a depth which brings untreated soil into contact with plant stems above the top of the block or module will lead to reduced control.

Further treatments to control cabbage root fly larvae may be required in areas of high activity.

Overdosing can result in transient yellowing of leaves, especially where high rates of a composting or wetting agent have been used.

DOW AGROSCIENCES CONDITIONS OF SUPPLY

All goods supplied by us are of high grade and we believe them to be suitable but, as we cannot exercise control over their storage, handling, mixing or use, or the weather conditions before, during or after application which may affect the performance of the goods, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our goods are excluded. No responsibility will be accepted by us or re-sellers for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use. These conditions cannot be varied by our staff or agents whether or not they supervise or assist in the use of such goods.

SPECIMEN

SPECIMEN

IMPORTANT INFORMATION.

FOR USE ONLY AS A PROFESSIONAL INSECTICIDE

Crops: Brussels sprout (protected), cabbage (protected),
broccoli/calabrese (protected), cauliflower (protected),

Maximum Individual Dose: }

Maximum Number of Treatments: } Full details are given in the Important Information
area on the attached leaflet

Latest Time of Application: }

Other Specific Restrictions: }

**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.**