

hi MOSTYN DUO CS

BROAD-SPECTRUM WATER-BASED CONCENTRATE INSECTICIDE WITH REMARKABLE KILLING POWER, EXCELLENT FLUSHING OUT AND KNOCK DOWN ACTION, WITH RESIDUAL ACTIVITY FOR UP TO 90 DAYS. CONTROLS FLYING AND CRAWLING INSECTS.

ACTIVE INGREDIENT: 100 g/L (10.7 % w/w) Cyphenothrin; 10 g/L (1.1 % w/w) Prallethrin

FORMULATION: Mixed formulation of CS (capsule suspension) and EW (emulsion, oil in water)

USES AND APPLICATIONS

MOSTYN DUO CS is very effective against **ants** (*Lasius niger*) (adults and nymphs), **bed bugs** (*Cimex lectularius*) (adults and nymphs), **flies** (*Musca domestica*, *Chrysomya megacephala*, *Haematobia irritans* and *Stomoxys calcitrans*), **litter beetles** (*Alphitobius diaperinus*) (adults and nymphs), **mosquitoes** (*Aedes aegypti*, *Aedes albopictus*, *Culex pipiens*, *Anopheles gambiae*), **poultry red mites** (*Dermanyssus gallinae*) (adults and nymphs), **cockroaches** (*Blatta orientalis* and *Blattella germanica*) (adults and nymphs), **wasps** and **hornets** (*Vespa vulgaris* and *Vespa velutina*).

MOSTYN DUO CS is designed for use in domestic and industrial premises, in public and office buildings, in and around domestic areas (including kitchens), hotels, shops, hospitals (excluding occupied wards), municipal buildings, food handling areas (restaurants and retailers), slaughter houses, refuse tips, refuse storage areas, and in and around barracks (military use).

MOSTYN DUO CS can be used in agricultural areas, stables (including chickens, pigs, cattle and horses), sheds, poultry farms, farm buildings and animal husbandry areas like dairies, animal and avian housing and also in food-storage and retail, meat packing plants, supermarkets, raw material stores (excluding grain stores), grain mills, empty granaries and utility stores.

DIRECTIONS FOR USE

MOSTYN DUO CS provides rapid knockdown, kills within a few hours, and can be used for crawling and flying insect control with an extended residual activity up to 90 days. The residual activity depends upon the surface being applied to and the environmental conditions. Repeat application if necessary.

MIXING INSTRUCTIONS:

Shake the product container well before use. Fill the clean tank of the spray equipment with half of the required water content. Add the correct volume of **MOSTYN DUO CS**. Wash the empty container of **MOSTYN DUO CS** three times with clean water and empty into the tank of the spray equipment. Fill up the spray tank with the missing volume of clean water. Close the spray tank and agitate. If a delay occurs between treatments, re-agitate before use. Do not store prepared spray solution and use the ready-mixed spray solution as soon as possible. Clean the spray equipment with clean water after treatment. Do not mix **MOSTYN DUO CS** with other products (biocides or disinfectants).

APPLICATION CONCENTRATION / APPLICATION RATE:

Surface, Spot, Barrier, Perimeter, Crack and Crevice application:

Applications	Mostyn Duo CS	Water*	Surface
Low infestation or application on clean surfaces	75 mL	5 L	100 m ² (50ml/m ²)
High infestation or application on dirty and/or highly absorbent surfaces and on floors	100 mL	5 L	100 m ² (50ml/m ²)
Targeted ant, wasp and hornet nest applications	1ml	50ml	1 m ²

* The required water content may vary depending on surface condition and application equipment.

Apply through a suitable hand mechanical or electric sprayer producing a coarse spray. Spray evenly to all surfaces paying special attention to cracks, crevices, dead spaces and places where insects harbour. The product can be applied to porous and non-porous surfaces. The product is not for use on clothing or bedding or in cots where infants sleep.

Ant nests:

Treat an area of 1 m² around the nest entrance and a band of 10 cm on the foraging paths of the ants to the nest. Ants will carry microcapsules into nest.

Wasp and hornet nests:

Apply liberally and directly to the nest or to entrance holes of concealed nests until the nest is saturated. Treatments should only be carried out at dusk or other times when wasp and hornet activity around the nest is minimal. Apply the product with suitable spray equipment using a long lance. Wear suitable protective clothing to prevent injury. Remove the nest after treatment.

Domestic areas (flying and crawling insects):

In domestic premises as well as in continuously occupied areas, where humans and pets can come into contact with the spray. Apply the product as band/spot or crack and crevice treatment only. Close all doors and windows prior to use. Do not enter the treated area for at least 30 minutes after treatment and until the spray mist has dried. Ventilate the treated area well.

Agricultural premises:

Do not apply directly to animals. Clean surfaces prior to application. The surfaces should be dry before applying the product. Apply the product as a fine mist with low pressure; treat surfaces thoroughly but not until runoff, pay particular attention to cracks, crevices and places where insects harbour.

500 ml

Indoor space treatment – cold and hot fogging

	Mostyn Duo CS	Water*	Volume
Cold Fogging	100 mL	5 L	500 m ³
Hot Fogging	100 mL	-	500 m ³

* The required water content may vary depending on surface condition and application equipment.

Apply through thermal fogging equipment, cold aerosol generating ultra-low-volume (ULV) equipment, fan assisted rotary atomiser and hand-held or knapsack sprayers which are designed for space spraying. Spray into the air around the areas to be treated paying particular attention to sites where insects rest, breed or harbourage.

Close windows and doors prior to application and keep closed for at least 1 hour afterwards. Switch off all electricity and air-conditioners. Keep away all animals and persons during application. Adapt the application to the time when the target insect is most active. After the application, ventilate the treated area for at least 4 hours or use an air exhauster (1200 m³/h rate) to ventilate rooms. Before entering the treated area, the spray should be dried completely.

Wear suitable gloves, overalls and boots plus eye protection when diluting.

Do not breathe gas/fumes/vapour/spray. Otherwise, wear full-face protection with self-ventilated breathing mask and eye protection.

Respiratory protection is recommended at re-entry after fogging.



HAZARD STATEMENTS

- H410 Very toxic to aquatic life with long lasting effects.
P273 Avoid release to the environment.
P391 Collect spillage.
P501 Dispose of contents/container in accordance with national regulations.

WARNING

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

USE INSECTICIDES SAFELY. ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE.

Shake well before use. Protect from frost.

PRECAUTIONS

- KEEP IN A SAFE PLACE.
- OPERATORS MUST WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES WHEN HANDLING THE CONCENTRATE OR APPLYING BY HAND-HELD ULV (ULTRA-LOW-VOLUME) 'COLD FOGGING' APPLICATION EQUIPMENT.
- Avoid excessive contamination of coveralls.
- OPERATORS MUST WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND SUITABLE RESPIRATORY PROTECTIVE EQUIPMENT (DISPOSABLE FILTERING FACEPIECE RESPIRATOR TO AT LEAST EN149 FFP2 OR EQUIVALENT) WHEN HANDLING THE CONCENTRATE OR APPLYING BY THERMAL 'HOT FOGGING' APPLICATION EQUIPMENT.
- COLLECT EGGS AND REMOVE FEED, EXPOSED WATER AND MILK BEFORE APPLICATION.
- ACTION SHOULD BE TAKEN TO PREVENT FORAGING BEES GAINING ACCESS TO TREATED NESTS, PREFERABLY BY REMOVING THE COMBS OR BLOCKING THE NEST ENTRANCES.
- WASH HANDS AND EXPOSED SKIN before meals and after use. Whilst using do not eat, drink or smoke.
- DO NOT APPLY DIRECTLY TO LIVESTOCK AND POULTRY.
- Protect milk machinery and milk containers from contamination.
- DO NOT CONTAMINATE FOODSTUFFS, EATING UTENSILS OR FOOD CONTACT SURFACES.
- FOR INDOOR USE ONLY.
- If swallowed, seek medical advice immediately and show this container or label.
- This material and its container must be disposed of in a safe way.
- COVER ALL WATER STORAGE TANKS before application.
- EXCLUDE ALL PERSONS AND ANIMALS DURING TREATMENT.

• ALL BATS ARE PROTECTED UNDER THE WILDLIFE AND COUNTRYSIDE ACT 1981. BEFORE TREATING ANY STRUCTURE USED BY BATS, CONSULT NATURAL ENGLAND, SCOTTISH NATURAL HERITAGE OR THE COUNTRYSIDE COUNCIL FOR WALES.

• HAZARDOUS TO BEES.

• The COSHH (Control of Substances Hazardous to Health) Regulations 2002 (as amended) apply to the use of this product at work.

USE ONLY IN ACCORDANCE WITH THE DIRECTIONS ON THE LABEL.

NOTE TO PHYSICIAN

This product contains pyrethroid insecticides. Treat symptomatically. For comprehensive medical advice on the treatment of poisoning, contact the nearest Poisons Information Centre. Never give anything by mouth to an unconscious person.

Do not induce vomiting.

FOR USE ONLY AS AN INSECTICIDE. FOR USE ONLY BY PROFESSIONAL OPERATORS HSE No. 10383

Users must comply in full with all their legal responsibilities under the Control of Pesticides Regulations 1986 (as amended) and the Control of Pesticides Regulations (Northern Ireland) 1987 (as amended), including complying with all Conditions of Approval.

**Application Rate – see table in Directions For Use
READ ALL PRECAUTIONS BEFORE USE.**



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