

**HARMFUL – KEEP OUT OF REACH OF CHILDREN
ECOTOXIC**



DELTATHOR® INSECTICIDE

ACTIVE CONSTITUENT:
Contains 10 g/Litre DELTAMETHRIN

IN THE FORM OF A SUSPENSION CONCENTRATE

For the control of ants, cockroaches, fleas, flies, mosquitoes and spiders etc in domestic, industrial and public health situations.



PROPRIETOR:

ENSYSTEX NEW ZEALAND LTD
17C Corinthian Drive, Albany, Auckland 0752

CUSTOMER SERVICE 0800 ENSYSTEX (367 978)

APPROVED PURSUANT TO THE HSN0 ACT 1996, APPROVAL CODE: HSR100597
MPI APPROVED TYPE B (ALL ANIMAL PRODUCT EXCEPT DAIRY)

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HSNO Hazard Classifications: 6.1E, 6.9B, 9.1A, 9.3C, 9.4A

Approved Handler: This product must be under the personal control of an Approved Handler when –

- a) applied in wide dispersive manner, or
- b) used by a commercial contractor.

Record Keeping: Records of use must be kept if more than 3 litres is applied or discharged within 24 hours in a place where the substance is likely to enter the air or water and leave the place.

TOXICITY

Harmful – May be harmful if swallowed and may cause organ damage from repeated oral exposure. May cause paresthesia (tingling etc) on exposed skin.

ECOTOXICITY

Very toxic to fish and aquatic organisms. Avoid contamination of any water source (including drains, sewers, ponds, creeks etc) with product or empty container. DELTATHOR Insecticide shall not be applied onto or into water.

Harmful to terrestrial vertebrates.

Very toxic to terrestrial invertebrates such as bees. Avoid non-target species.

PRECAUTIONS

Keep out of reach of children. Avoid skin and eye contact and inhalation of spray mist. Wear protective clothing such as waterproof gloves and overalls when mixing and applying the product. Remove protective clothing and wash exposed skin before eating and drinking and after work.

FIRST AID:

If swallowed do NOT induce vomiting but wash out mouth with water. For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If skin or hair contact occurs, remove protective clothing and flush with clean running water for at least 15 minutes.

GENERAL:

DELTATHOR is a synthetic pyrethroid with both knockdown effect and residual control. It acts on insects by both contact and ingestion.

SPILLAGE:

Prevent contamination of drains and waterways. Confine and absorb spillage with sand or clay and bury safely.

STORAGE AND DISPOSAL:

Store in the closed, original container, in a dry, cool well-ventilated area out of direct sunlight. Storage must be in accordance with the NZ S8049 Management of Agrichemicals.

Triple rinse empty container and add rinsings to spray tank. Do not burn empty containers but recycle in the Agrecovery program or puncture, crush and bury in a local authority landfill. If no landfill is available, bury below 500 mm in a disposal pit.

Do not dispose of undiluted chemicals on site.

SDS: Additional information is listed in the Safety Data Sheet available from www.Ensysstex.co.nz.



ENSYSTEX®
LEADING INNOVATION IN PEST MANAGEMENT

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NEW ZEALAND
LTD**

www.Ensysstex.co.nz

GENERAL INSTRUCTIONS

Insecticide Resistance Warning

Some naturally-occurring insect biotypes resistant to DELTATHOR Insecticide and other synthetic pyrethroid insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if DELTATHOR Insecticide or synthetic pyrethroid insecticides are used repeatedly. The effectiveness of DELTATHOR Insecticide on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Ensysstex NZ Ltd accepts no liability for any losses that may result from the failure of DELTATHOR Insecticide to control resistant insects. DELTATHOR Insecticide may be subject to specific resistance management strategies. For further information contact Ensysstex New Zealand Ltd.

Mixing/Application

Shake original container before use. Periodically agitate suspension during application to ensure thorough mixing. For best results form a premix of the required amount of product with an equal volume of water. Stir thoroughly. Add to spray tank and dilute with remaining amount of water. Agitate thoroughly. Do not store diluted insecticide. Prepare a fresh solution as necessary. Do not spray the moving parts of any machinery, electric motors or switch gear with the water based product.

Note on application to carpets:

Whilst carpets are regarded as porous surfaces, excessive liquid application may produce water stains and therefore the non-porous surface rate should be adopted if possible.

Short pile carpet:

Dilute recommended amount of product in 5 L water and apply 5 L per 100 m² of carpet.

Long or shag pile carpet:

Dilute recommended amount of product in 10 L water and apply 10 L per 100 m² to ensure effective penetration of carpet pile.

Since carpets vary in thickness, colour and fibre type, it is recommended that a small, inconspicuous area of carpet be treated and allowed to dry to test for colourfastness.

Allow treated carpets to dry before resuming activity on them.

PRECAUTIONS

Avoid contact with food, food utensils or places where food is prepared or stored. Before use, remove or cover all exposed foodstuffs. Cover all dishes and utensils, and places where food is prepared or stored. After use, thoroughly ventilate treated area. Clean up thoroughly before processing/ serving resumes.

For surface treatment only- do not spray into the atmosphere using foggers or other devices designed to create an aerosol.

- where possible avoid spraying actual surfaces which food is likely to directly contact.
- Do NOT allow spray to contact food packaging material.
- Discard any foodstuff accidentally contaminated with spray solution.

WARRANTY

Ensysstex warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with Directions for Use under normal conditions of use. No warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of the product contrary to label instructions or under abnormal conditions.

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DELTATHOR® INSECTICIDE

A Crawling pests

SITUATION	PESTS	RATE	CRITICAL COMMENTS
Domestic, commercial, industrial, and public buildings: including food processing establishments, shops, factories, ships, offices, schools, storerooms, hospitals, barracks, private houses and external areas associated with such establishments.	Crawling insects	Initial treatment 150 mL	For use on non-porous surfaces: dilute with 5 L of water and apply as a coarse spray at a rate of 5 L of emulsion per 100 m ² not exceeding the point of run-off. For use on porous surfaces or for use through power equipment, dilute with 10 L of water and apply per 100 m ² of surface, not exceeding the point of run-off.
	Cockroaches	Maintenance treatments 75 mL	Conduct a thorough inspection and apply to known and potential cockroach harbourages. A barrier application around areas where cockroach infestations may be originating is also suggested. Where application of a spray is not suitable it is recommended that a suitably registered gel bait be applied.
	Web-spinning spiders		Directly spray spiders, their webbing and areas where spiders may hide. It is recommended that webbing be left in place for a few days after application to optimise efficacy.
	Non web-spinning spiders		Spray areas where spiders are known to occur.
	Ants		Where possible locate the nest and spray directly into nest entrances. Penetration of insecticide can be assisted by pre-wetting sandy and porous soils with water. A thorough soaking treatment with insecticide mixture is required to destroy the nest. If nest cannot be located then spray infested areas.
	Fleas		Clean and vacuum infested areas and dispose of dust collected in the garbage in a sealed plastic bag. Lightly spray infested areas concentrating on areas under furniture etc. Treat pets with a suitably registered veterinary flea control product. See also the note on application to carpets below.
	Silverfish		Direct spray to areas of potential infestation eg under skirting boards, and furniture where dark conditions may favour silverfish populations.
	Bed bugs		Treat cracks and crevices in bed frames and the adjacent walls.
	Bird mites		Treat infested areas. Inspect roof voids and remove any old bird nest material. A suitably registered dust product is recommended for treatment of roof void areas.
	Carpenter beetles		Apply to infested carpets, particularly in areas of little or no traffic, and underneath windows where adult beetles may be entering the building. See also the note on application to carpets below
Clothes moths	Spray surfaces in areas where clothes are stored. DO NOT spray the clothes.		
	Stored product insect pests	75 mL	The use of this product in the control of stored product pests should be considered as part of an integrated strategy to prevent development of insect populations. Best results will be obtained where good hygiene is maintained. Infested areas should be cleaned prior to application and regularly cleaned thereafter to reduce food sources for pests. When treating for beetle pests pay special attention to sheltered areas such as cracks and crevices, under furniture and equipment, floors, walls and shelves.

B Flying insects

SITUATION	PESTS	RATE	CRITICAL COMMENTS
Domestic, commercial, industrial, and public buildings: including food processing establishments, shops, factories, ships, offices, schools, storerooms, hospitals, barracks, private houses and external areas associated with such establishments.	Flying insects	75 mL	For use on non-porous surfaces: dilute with 5 L of water and apply as a coarse spray at a rate of 5 L of emulsion per 100 m ² not exceeding the point of run-off.
	Houseflies, mosquitoes		Spray surfaces where flies and mosquitoes are known to rest. Flies- include external surfaces that are exposed to the morning sun. Mosquitoes- spray walls, awnings, fences and vegetated areas near to buildings. Note: A residual surface spray will only control those insects that alight on the treated surfaces.
	Stored product insect pests		The use of this product in the control of stored product pests should be considered as part of an integrated strategy to prevent development of insect populations. Best results will be obtained where good hygiene is maintained. Infested areas should be cleaned prior to application and regularly cleaned thereafter to reduce food sources for pests. Adult moths can be controlled by applying the product to walls and surfaces where the flying adult moths come to rest.

C Other pests

SITUATION	PESTS	RATE	CRITICAL COMMENTS
Cut flowers for export	Quarantine pests	250 mL per 100 L water	Flowers must be totally submerged in the diluted product for not less than 1 minute and then left to dry naturally for 2 hours.
For short term protection of freshly felled pine logs prior to debarking	Fivespined bark beetle (<i>Ips grandicollis</i>)	100 mL in 10 L water	Apply through knapsack or power sprayer at the rate of 10 L per 100 m ² of surface area. NB. For best results apply promptly after felling or sawing operations.
For short term protection of freshly felled logs, poles and posts, and sawn timber including <i>in situ</i> timbers.	Furniture Beetles, <i>F. Anobiidae</i> , Auger beetles, <i>F. Bostrichidae</i> ; Powderpost beetles, <i>F. Lyctinae</i> .		