

POISON
KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

BeetleBETA® 125 SC Insecticide

ACTIVE CONSTITUENT: 125 g/L BETACYFLUTHRIN

GROUP	3A	INSECTICIDE
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For the control of litter beetle in poultry sheds and various other insect pests in domestic, commercial, public and industrial situations and other uses specified in the DIRECTIONS FOR USE

[IMPORTANT: Read the attached booklet before use]

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Contents: 100 mL - 10 L

GENERAL INSTRUCTIONS

Mixing

Prior to pouring, shake container vigorously, then add the required quantity of BeetleBETA® 125 SC Insecticide to water while stirring.

Application

Do not spray the moving parts of machinery, electric motors or switch gear with this 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. Hence for short pile carpet, the 5 L dilution rate (per 100 m²) should be sufficient.

However, for long pile or shag carpet, the 10 L dilution rate (per 100 m²) may be required to ensure effective penetration and application to all of the carpet pile.

Since carpets vary in thickness, colour and material, it is recommended that a small, inconspicuous area of carpet be sprayed and allowed to dry first to ensure that staining will not occur. Allow treated carpets to dry before resuming activity on them.

BeetleBETA has been used on a wide range of plant species without damage. However, some species and varieties are particularly sensitive to chemical sprays and as this sensitivity is often related to local conditions, it is advisable to treat only a small number of plants first, in order to ascertain their reaction before treating the whole target group.

PRECAUTIONS

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

Use in food processing areas is limited to crack, crevice and barrier strip treatment only.

When using in animal houses, do not spray directly onto livestock, their food, water, litter, feed bins or surfaces that are accessible to the stock.

Do not spray directly on humans, exposed food, food utensils or food preparation areas.

Avoid contact of spray with timber to which a stain is subsequently to be applied, unless the owner is notified that the timber will need additional preparation, consistent with that if water alone had contacted the timber. (Evidence of water contact on timber is sometimes only seen once the stain has been applied).

BEFORE USE

Remove or cover all exposed foodstuffs. Cover all dishes and utensils and surfaces where food is prepared.

AFTER USE

Thoroughly ventilate treated areas. Clean up thoroughly before processing or serving resumes.

RE-ENTRY PERIOD

DO NOT enter treated areas until the spray has dried.

USE AS A RESIDUAL SURFACE TREATMENT FOR CONTROL OF STORED PRODUCT PESTS

The following measures should be observed:

Ensure food items in store are not exposed to spray. If necessary, remove food items from the area to be treated. Allow all treated surfaces to dry before replacing food items. 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.

Insecticide Resistance Warning

GROUP	3A	INSECTICIDE
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For insecticide resistance management BeetleBETA® is a Group 3A insecticide. Some naturally occurring insect biotypes resistant to BeetleBETA® and other Group 3A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if BeetleBETA® or other Group 3A insecticides are used repeatedly. The effectiveness of BeetleBETA® on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Sundew Solutions Pty Ltd accepts no liability for any losses that may result from failure of BeetleBETA® to control resistant insects. BeetleBETA® may be subject to specific resistance management strategies. For further information contact your local supplier, or Sundew Solutions representative.

DIRECTIONS FOR USE**RESTRAINT**

DO NOT apply spray treatment outdoors if rain is imminent or if area is about to be irrigated (unless indicated in the Directions for Use)

SITUATION	RATE	PEST	CRITICAL COMMENTS
Poultry sheds	80 mL/50 L water	Litter beetle (standard treatment)	Apply 1 L of spray mix per 10 m ² of surface. Treat when litter is being totally replaced. Remove all old litter from shed. Apply to shed walls, ceiling and floor. Do not replace litter until shed is thoroughly dry.
	4 mL/1 L water	Litter beetle (heavy infestations)	Spray walls and ceilings, paying particular attention to cracks and crevices where beetles may hide. Apply spray to the point of run-off. A band of spray along the base of the wall should also be applied. Treat when litter is being totally replaced. Remove all old litter from shed. Do not replace litter until shed is thoroughly dry.
Domestic, commercial, industrial and public buildings: - including meatworks (non-product areas), farm buildings, food processing establishments, shops, offices, factories, storerooms, hospitals, schools, barracks, houses, ships, rubbish tips			On non-porous surfaces, apply at a rate of 5 L of prepared spray per 100 m ² not exceeding the point of run-off. On porous surfaces or for use through power equipment, apply at a rate of 10 L of prepared spray per 100 m ² not exceeding the point of run-off.
	Initial or cleanout rate 4 mL/1 L water	Cockroaches	Conduct a thorough inspection and apply spray to known and potential cockroach harbourages. A barrier spray around areas where cockroach infestations may be originating is also suggested. Repeat application as required. Where application of a spray is not suitable, it is recommended that a registered cockroach gel be used.
	Maintenance rate 2 mL/1 L water	Web spinning spiders	Spray spiders, their webbing and areas where spiders may hide. Leave webbing in place for a few days 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 or vacuum infested areas and dispose of the collected dust in the garbage in a sealed plastic bag. Lightly spray all infested areas concentrating under furniture, etc. Treat pets with a registered flea control product. See note on application to carpets.
		Flies and mosquitoes	Spray surfaces where flies and mosquitoes are known to come to rest. Flies – include external surfaces that are exposed to the morning sun. Mosquitoes – spray walls, awnings, fences and vegetated areas near buildings. Note: the perception of the level of control of flying insects achieved within any given area treated with a residual surface spray will be affected by the extent of migration of individuals from external untreated areas. A residual spray will only control those insects that alight on the treated surfaces and therefore complete elimination of flying insects from the treated area should not necessarily always be expected.
		Silverfish	Spray areas of potential and existing infestations eg under skirting boards and furniture where dark conditions may favour silverfish populations. If spraying inside cupboards or storage areas, remove clothing and utensils, etc before spraying.
		Crickets	Spray infested areas. In addition, a barrier treatment can be sprayed across areas where these pests enter buildings.
		Clothes moths	Spray surfaces in areas where clothes are stored. DO NOT spray the clothes.
		Carpet 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 note on application to carpets.
		Bed bugs	Apply to the bed frame and walls, cracks, crevices and skirting boards in the vicinity of the bed.
		Stored product pests	The use of this product for the control of stored product pests should be considered 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. Adult moths can be controlled by spraying walls and surfaces where the flying moths come to rest.

as above	2 mL/L	Millipedes	Apply as a coarse spray to infested areas.
		Papernest wasps	Apply diluted spray to the point of run-off directly to the papernest ensuring thorough and even coverage. When all adult wasps have been knocked down, the nest may be safely removed from the structure.
		Paralysis tick (<i>Ixodes holocyclus</i>)	Apply to outside surfaces of buildings and surrounds including but not limited to foundations, soil, turf, trunks of woody ornamentals and other areas where ticks congregate or have been seen. This treatment is intended to control ticks which are present at the time of application. Repeat application may be required during times of high tick activity. When used in domestic garden situations where domestic pets are present, it is recommended that the animals also be treated with an appropriately registered ectoparasiticide.
External areas and surrounds of domestic, commercial and public buildings and structures, untended verges, surrounds of sporting venues, etc. (and other areas where ticks are found)			
Rubbish tips	Knockdown spray 1 mL/2 L	Flies	Spray surfaces of rubbish. Apply 200-300 mL of spray/m ² .
Turf	4-8 mL/100 m ² or 400-800 mL/ha or 50-100 mL/bowling green	Armyworm Cutworm Webworm	Apply to mown turf in a minimum application volume of 200 L/ha (or 2 L/100 m ²) and irrigate treated areas after application with up to 4 mm water. Use the higher rate when pest numbers are very high. Repeat as necessary. Application after mowing is recommended to minimise loss of insecticide in clippings. Couch mites are only found in couch varieties of turf. Industry thresholds are set at 4-8 stunted tufts (witches brooms) per 100 cm ² .
	10 mL/100 m ² or 1 L/ha or 125 mL/bowling green	Adult billbug, adult Argentine stem weevil, adult scarabs (including African black beetle, mole crickets, couch mite, ants	
	80 mL/ha	Grasshoppers	
Native plants	12 mL/10 L water	Sawfly larvae	Apply thoroughly as a full cover spray. Repeat at beginning of renewed pest activity. See note on native plants. DO NOT spray if it is raining or about to rain.
Ornamental plants		Grasshoppers	Spray plants directly when pest insects are seen. Adequate coverage is essential for effective protection. Repeat as necessary.
Azaleas Hibiscus Pelargoniums Roses	0.4-0.8 mL/5 L water	Aphids, bugs (eg passionvine hopper, mealybug, lace bug), caterpillars, garden weevil, whiteflies, thrips	Spray foliage thoroughly when insects are first seen or if they re-appear. Spray underneath leaf surfaces. DO NOT spray if it is raining or about to rain.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION

USE IN FOOD PROCESSING AREAS IS LIMITED TO CRACK, CREVICE AND BARRIER STRIP TREATMENT ONLY

WITHHOLDING PERIOD: DO NOT GRAZE TREATED AREAS OR FEED GRASS CLIPPINGS FROM TREATED AREAS TO ANIMALS INCLUDING POULTRY

PROTECTION OF LIVESTOCK

DO NOT spray directly onto livestock or near livestock feed and water.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Very toxic to aquatic life. Cover fish tanks before using. DO NOT contaminate wetlands or watercourses with this product or used containers.

STORAGE AND DISPOSAL

Store in the original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight. Triple rinse containers before disposal. Add rinsings to the spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. Do not burn empty containers or product.

SAFETY DIRECTIONS

Harmful if absorbed by skin contact, inhaled, or swallowed. Avoid contact with skin. Do not inhale vapour and spray mist. When preparing the spray, wear cotton overalls buttoned to the neck and wrist, a washable hat, elbow length PVC gloves and half face-piece respirator. When using the prepared spray wear cotton overalls buttoned to the neck and wrist, a washable hat, and rubber gloves. After use and before eating, drinking or smoking, wash hands, arms, and face thoroughly with soap and water. After each day's use wash gloves, respirator and if rubber wash with detergent and warm water, and contaminated clothing.

FIRST AID

If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia 131126. Remove from contaminated area. Apply artificial respiration if not breathing.

MATERIAL SAFETY DATA SHEET

Additional Information is listed in the Material Safety Data Sheet.

LIMITATION OF LIABILITY

This product is designed only for the particular purposes indicated on this label. Failure to use this product strictly as directed may be illegal; prove dangerous; render the product ineffective and void any Warranty or Liability of Sundew Solutions Pty Ltd. So far as it is lawfully able to do so, Sundew Solutions Pty Ltd accepts no liability or responsibility for loss or damage arising from failure to follow such directions and instructions.

BeetleBETA[®] is a Registered Trademark of Sundew Solutions Pty Ltd

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APVMA Approval Number 66448/117786

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