

Demand[®]

INSECTICIDE

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DEMAND LONGER LASTING PROTECTION

A unique technologically advanced water-based capsule suspension formulation - that is the secret to DEMAND's superior long lasting control of a broad spectrum of insects.

Its potent active ingredient, lambda-cyhalothrin, is contained in capsules that increase residual activity and reduce the immediate availability of the active ingredient until the insect comes into contact with the capsules.

In the toughest situations DEMAND has proven to control common insect pests for up to 6 months as an external perimeter barrier, and up to 2 years on indoor surfaces.

FEATURES OF DEMAND

- Highly active compound in a unique water based capsule suspension formulation
- Applicable for external perimeters and indoor applications in domestic, industrial and commercial situations
- Adheres to the toughest surfaces, including concrete, greasy areas, painted walls, vinyl floors and tiles
- Optimum flushing
- Fast Knockdown
- No visible residues
- No adverse odour

RESIDUAL ACTIVITY OF DEMAND

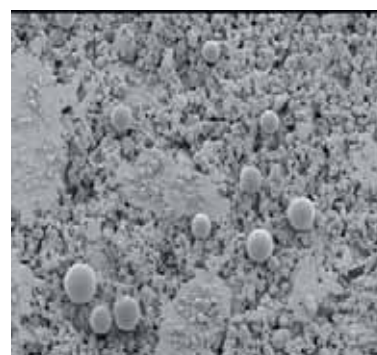
DEMAND is effective for a minimum of 3 months on 'difficult' surfaces, such as alkaline surfaces, when used indoors and for a minimum of 8 weeks control on areas exposed to sunlight and UV when used outdoors.

Provides control for up to:

- 24 months for spiders on the interior of domestic dwellings;
- 3 months for ants on exterior concrete and paving in Queensland weather; and
- 7 months for flies and spiders on the exterior concrete walls in Queensland meatworks.

BENEFITS OF DEMAND

- Extended residual activity even on difficult surfaces
- Consistent efficacy under adverse environmental conditions
- Fewer call-backs
- No adverse odour or staining and reduced environmental impact
- Highly effective on a broad spectrum of crawling and flying insects
- Decreased flushing leads to increased efficacy
- Reduced operator exposure



DEMAND CS capsules on a concrete surface 10 weeks after application

APPLICATION RATES

Situation	Pests Controlled	Rate per 10 L water
Domestic, Public Service, Commercial and Industrial situations	German Cockroaches, Cat flea	200 mL
	American Cockroaches, Spiders, Ants, House fly, Mosquitoes	160 mL
	Silverfish, American and German Cockroaches (maintenance)	100 mL

Directions: Apply dilute spray at the rate of 10 L/200 m² or to run off. Use lower than 10 L spraymix per 200 m² will result in lower than optimal product deposition and will reduce residual performance and efficacy.

Crawling insects: Apply as a coarse low-pressure spray to areas where pests hide.

Flying insects: Apply as a residual surface treatment. All people and animals should be removed from buildings prior to treatment.

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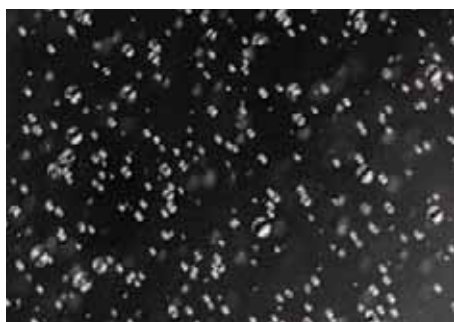
MICROENCAPSULATED FOR LASTING CONTROL

Extended residual control is achieved by capsules remaining intact on treated surfaces until contacted by the insect pest. The active ingredient in the capsule is protected from degradation and/or inactivation of the active ingredient.

When the insect comes into contact with the capsules, they adhere to the insect's legs and body. When the lambda-cyhalothrin contacts the target pest, liquid diffuses through the capsule wall and into the lipophilic waxy cuticle of the insect resulting in rapid knockdown of the target insect. It is also possible for the capsules to be ingested by insects that preen themselves such as cockroaches. Capsules not immediately contacted by insects remain active to provide exceptional residual control of target pests.

WHAT IS MICROENCAPSULATION?

Microencapsulation is a process of forming tiny polymer capsules around droplets of an active ingredient. The capsules are suspended in a liquid base giving a flowable capsule suspension concentrate which is then diluted in water prior to application.



Suspension of capsules 0.4g/L lambda-cyhalothrin

POWERFUL ACTIVE INGREDIENT

DEMAND contains 25 g/L of the potent active ingredient, lambda-cyhalothrin. A fourth generation synthetic pyrethroid insecticide, enclosed in polymer microcapsules (1 to 20 micron range; average 12 micron diameter), this active ingredient is:

- 250 times more active than chlorpyrifos vs houseflies;

- 200 times more active than permethrin and 8 times more active than deltamethrin vs malarial mosquitoes; and
- 25 times more active than bendiocarb vs cockroaches

APPLICATION AND HANDLING

DEMAND is nonflammable for ease of transportation and packaged in an easy to use 1 L auto dose bottle to ensure accurate dosing. The product mixes readily in water, is easy to apply with conventional spray equipment and doesn't clog equipment or cause nozzle wear. It is non-staining and has no adverse odour. In addition the capsule suspension formulation reduces user exposure and potential for skin irritation during application.



Precautions: Cover all food and food materials before application and do not allow spray to contact food, food preparation surfaces and utensils.

SAFETY DIRECTIONS

Avoid contact with eyes, nose, throat and skin to prevent irritation and potential numbness. When preparing the spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist, a washable hat, and elbow-length PVC gloves.

If product gets on skin, wash it off immediately with soap and water. Always wash hands, arms and face thoroughly with soap and water after use and before eating, drinking or smoking. Also wash gloves and contaminated clothing after each day's use.

For further information please call the Syngenta Technical Product Advice Line on 1800 067 108 or visit our website at www.syngenta.com.au

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