



Bestox[®]

pc50

RESIDUAL INSECTICIDE

FMC

Tech Note

What is Bestox?

Bestox pc50 is a broad spectrum knockdown and surface residual synthetic pyrethroid insecticide which contains the active constituent alpha-cypermethrin. Bestox is registered for the control of cockroaches, flies, fleas, spiders, ants, and silverfish in domestic, public, commercial and industrial areas.

How does Bestox work?

The effectiveness of Bestox pc50 as a powerful knockdown and surface residual insecticide is due mostly to contact and residual activity, however Bestox is also a potent insect stomach poison. This means that Bestox controls pests in three ways: - firstly by contact as a result of direct spray; secondly as a stomach poison when pests ingest treated material; and thirdly by residual activity when pests invade or come into contact with previously treated surfaces.

Major benefits

A major characteristic of Bestox pc50 is its ability to provide both rapid knockdown of existing pest populations and extended residual protection. This is an important consideration when pest populations have reached high levels and need to be controlled quickly.

Bestox pc50's high concentration of active ingredient means that less chemical is needed per litre of finished product. This in turn reduces the hassles of container management for the professional pest manager, and makes Bestox pc50 particularly cost effective.

Performance of Bestox pc50

Comparative performance tests have been conducted by independent researchers evaluating Bestox pc50 alongside other industry recognised insecticide formulations. Bestox has been tested in the

laboratory and the field. It has also been evaluated on different surfaces against most of the key pests.

Field tests have shown that the higher rates will provide faster knockdown and longer residual protection.

Formulation

Bestox pc50 contains 50 g/L of active ingredient (alpha-cypermethrin). This means that less concentrate is needed in each mix to achieve the same results as other less concentrated products on the market.

Bestox is a water based suspension concentrate (SC) formulation. This formulation provides an almost odour free emulsion for applications in indoor areas.





Features of Bestox pc50 Residual Insecticide

Packaging

Bestox pc50 is packaged in convenient 1 litre squeeze and measure containers. These containers are designed to minimise operator exposure to the product and eliminate the need for other measuring equipment.

Supporting Literature

A Material Safety Data Sheet and AQIS Instrument of Approval are available for Bestox pc50 Residual Insecticide. The product is approved by AQIS under category 16 as a Pesticide Type D.

- Robust product provides fast knockdown and residual protection
- Excellent activity on cockroaches and other insect pests
- Virtually odour free emulsion
- Water based formulation
- Easy measure packaging
- Low mammalian toxicity
- Excellent flushing action
- 50g/L active ingredient concentration
- Cost effective
- Manufactured by FMC – a research and development based company



Table 1: Summary of the Directions For Use Table for Bestox® pc50 Residual Insecticide

| SITUATION | PESTS | RATE | CRITICAL COMMENTS |
|---|---|---|--|
| Domestic, Public, Commercial & Industrial areas | Cockroaches, Flies, Spiders, Ants, Silverfish | Initial treatment 120-200 mL/10L Maintenance treatment 60-100 mL/10L | Apply as a coarse low pressure surface spray to areas where pests hide, frequent & rest. Spray to the point of run-off using around 5 L of spray mixture per 100 m ² and ensuring thorough coverage of the treated surfaces. Where indicated, use the higher rate in situations where pest pressure is severe, and where rapid knockdown and/or maximum residual protection is desired. Pay particular attention to protected dark areas such as cracks and crevices, behind & under sinks, stoves, refrigerators, furniture, pipes & other known hiding or resting places. |
| | Fleas | Initial treatment 200 mL/10L Maintenance treatment 100 mL/10L | Flea Treatment: Use the initial treatment rate for rapid knockdown and maximum residual protection and if necessary, repeat treatment using the maintenance rate at 12 weekly intervals to prevent reinfestation. |

Note: This table has been included as a reference only. Prior to using this product it is imperative that Pest Managers read the actual product label in its entirety.



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