



**FMC**

# Tech Note

# Bestox® pc50 RESIDUAL INSECTICIDE

## 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.



