



The Formulation Specialist

NEW INNOVATIVE FORMULATION
World's first dual active dustable powder containing
Permethrin and Pyriproxyfen

CLEAR  **OUT**

PLUS IGR DUST INSECTICIDE

Controls Adults and Juvenile Insects



Cockroaches



Silverfish



European Wasp



Spiders

20 g/kg PERMETHRIN 25:75

2 g/kg PYRIPROXYFEN

GROUP 3A 7C INSECTICIDE



Flies



Ants



Fleas



Termites

STOP THE BREEDING CYCLE, 2 modes of action in 1 application. A light dustable powder designed to incorporate a quick knockdown with an added juvenile hormone regulator to stop the insect breeding life cycle.

For the control of Cockroaches, Ants, Fleas, Termites, Bedbugs, European Wasps, Spiders and other insects in certain situations as specified in the Directions of Use

Controls Adults and Juvenile Insects

A POTENT COMBINATION

20g/KG PERMETHRIN ensure a quick knockdown to any insects that come in contact with CLEAROUT PLUS IGR. Permethrin is a synthetic pyrethroid insecticide that works by affecting the nervous system of insects. It works by binding to the voltage-gated sodium channels in the nerve cells of insects, which leads to a rapid influx of sodium ions into the cell.

This causes the nerve cells to become overstimulated and leads to paralysis and death of the insect. Permethrin is a broad-spectrum insecticide, meaning that it is effective against a wide range of insect pests, including Cockroaches, Ants, Fleas, Termites, Bedbugs, European Wasps, Spiders and other insects

PYRIPROXYFEN, an insect growth regulator which affects the juvenile hormone. Its mode of action is very selective mimicking hormones in young insects. They disrupt how insects reproduce ensuring excellent safety for higher order vertebrates. Over time, it provides a selective but inevitable population decline of target pests because immature insects cannot reproduce thus breaking the beading cycle.

THE SOLUTION

Increased efficacy: Combining pyriproxyfen and permethrin can increase the effectiveness of the treatment by targeting both adult and immature stages of the pest.

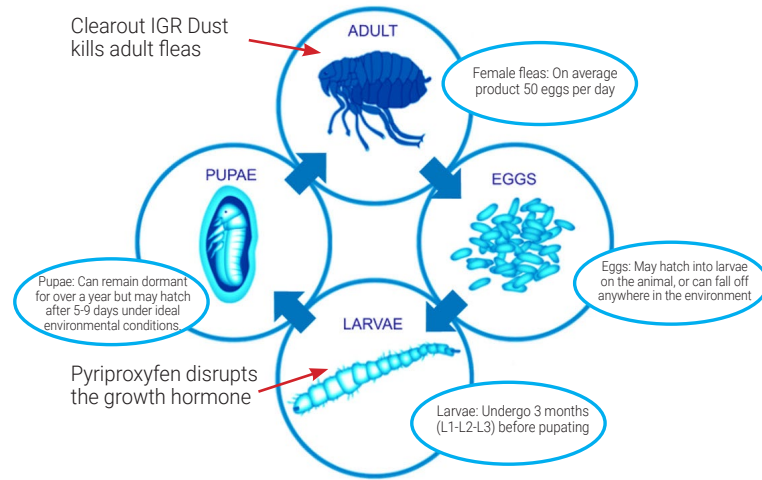
Broader spectrum of control: Mixing pyriproxyfen and permethrin can provide control of a wider range of pests than either chemical alone.

Reduced resistance: Using a combination of insecticides can help reduce the development of resistance in pest populations. **Permethrin is a class 3A** which has a low toxicity to mammals. **Pyriproxyfen is a class 7C** and is classified to have a "practically non-toxic" level of toxicity.

Reduced application rate: Mixing pyriproxyfen and permethrin can reduce the rate at which each chemical needs to be applied, which can lower the overall cost of treatment.

STOP THE BREEDING LIFECYCLE

We boosted the longevity of ClearOut PLUS IGR by adding in 2g/kg of Pyriproxyfen, an insect growth regulator (IGR) that is used to control a wide variety of insect pests. It works by mimicking the juvenile hormone of insects, which prevents them from developing into adults. This means that while adult insects are not affected by pyriproxyfen, it will prevent eggs and immature insects from developing properly and reproducing.



DIRECTIONS FOR USE

| Situation | | Pest | Rate | Critical Comment |
|---|---|-------------------------|---|---|
| Domestic, Institutional and Industrial Premises | Food preparation and storage areas | Cockroaches, Silverfish | 5 g/m ² applied with a powder blower | Blow powder into all cracks and crevices. Pay particular attention to warm, dark corners around cookers, fireplaces, radiators, stores, pipes, rubbish chutes and places where liquid sprays may not be used. |
| | | Ants | | Sprinkle powder along runs, on and around nests. If ants are invading domestic premises apply powder to the routes by which they enter. Repeat as necessary. |
| | Living and sleeping areas | Fleas, Carpet Beetles | | Dust powder over floor, brushing into carpet pile and blowing into areas where flea larvae develop. |
| | | Bedbugs | | Apply powder to bedsteads, bedsprings, mattresses, floor coverings, upholstered furniture, cracks in walls, behind torn wallpaper, joins in woodwork and other harbourages. |
| Roof voids, wall and floor voids, crawl spaces | Cockroaches, Silverfish, Ants, Fleas, Spiders, Bird Mites | 60-130 g per nest | Blow dust into all void areas, ensuring all surfaces are thoroughly treated. Repeat application if re-infestation occurs. Remove all bird nests and introduce physical bird barriers to prevent re-infestation of bird mites. | |
| Skin and Hide Preparation | Hide Beetles | | Place skins on drying racks and apply dust using a manual or motorized duster. Dust exposed edges of dried, baled skins. | |
| Large Wasp Nests | European Wasps | 125 g per tree | Use hand duster and apply powder through entrance holes (60-130 g/nest dependent on size of nest and number of entrance holes). Treat at night wherever possible. Operators should wear clothing protective against the wasp including long-sleeved overalls buttoned at wrist and throat, gloves, hat and bee-veil. | |
| Bee nests in wall cavities | Feral Honey Bee | | Upon locating nest in tree stump, drill 3 holes with a maximum diameter of 12 mm. Apply dust directly to the nest using a carbon dioxide gas cylinder and a trigger gun. After treatment holes should be coated carefully with a fungicide, e.g. copper naphthenate, and sealed with an appropriate chalking compound. | |
| Tree stumps in urban areas | Subterranean Termites (<i>Coptotermes</i> spp.) | | | |

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