Dragnet Dust
INSECTICIDAL POWDER
INDUSTRIAL STRENGTH

FMC

Tech Note

Dragnet Insecticidal Dusting Powder Double Strength

What is Dragnet Dust ?

Permethrin is a synthetic pyrethroid insecticide that is active against a wide range of insect pests. These permethrin based insecticides are recognised by professional pest control operators as being economical, safe and effective, and are rapidly replacing organophosphate (diazinon, fenthion and chlorpyrifos) and carbamate (propoxur and bendiocarb) based insecticides in a wide variety of applications. Dusting with permethrin is an essential weapon in today's pest control professional's armoury. Now with the introduction of FMC's Dragnet Dust, PCO's have an even more powerful tool available to them.

What benefits does Dragnet Dust have over other permethrin dust products ?

Although there are a number of formulations of permethrin dust currently registered in Australia, until now only formulations containing 1% (10 g/kg) active ingredient were available. FMC's new Dragnet Dust is the only permethrin dust product available which contains 2% (20 g/kg) active ingredient.

Because of the higher concentration in Dragnet Dust, only half the amount of product is required to do the job of the older permethrin dust products on the market. Dragnet Dust is the only permethrin dust on the market with a cis:trans ratio of 40:60 meaning that the permethrin in this formulation has a higher degree of activity against insects on a gram for gram basis when compared to other permethrin dusts. Although more concentrated, the two percent Dragnet Dust formulation also retains the benefit of not being classified as a scheduled poison.

On which pests is Dragnet Dust registered ?

As with most synthetic pyrethroids, permethrin is efficacious to target pests through both contact and stomach action. Dragnet Dust is registered for the control of cockroaches, silverfish, spiders, ants, fleas and bedbugs in domestic and institutional and industrial premises at the rate of 5 g/m^2 and for the control of subterranean termites found in trees and stumps at the rate of 125 g per tree. FMC's Dragnet Dust label also contains directions for use for the control of mushroom sciarid flies in mushroom beds, potato moths in seed potatoes, hide beetles, European wasps and bird mites.

Toxicology of Dragnet Dust

Permethrin belongs to the synthetic pyrethroid group of chemicals. These are synthetic versions of pyrethroids that are produced naturally by the chrysanthemum family of plants. The advantages of pyrethroids over other chemical groups include broad insecticidal activity, low dosage rates, relatively low mammalian toxicity and low environmental impact. It must also be remembered that all pyrethroid insecticides are toxic to aquatic organisms, so caution should be used when applying Dragnet Dust near water (e.g. fish tanks).

High grade dust carrier

Dragnet Dust is a dust formulation that uses a high-grade talcum powder as the carrier. This talc formulation compares favourably to the leading permethrin dust products currently on the market in regards to floatability.



Table 1: Summary of the Directions for Use Table for Dragnet Dust Insecticidal Powder.

SITUATION		TARGET INSECTS	STATE	RATE	CRITICAL COMMENTS
Domestic, Institutional & Industrial premises	Food preparation and storage areas Living and sleeping areas, Roof floor, and wall voids and crawl spaces.	Cockroaches, silverfish, spiders	All States & NT	5 g/m² applied with a powder blower	Blow powder into cracks and crevices. Pay particular attention to warm, dark corners around cookers, fireplaces, radiators, stoves, pipes, rubbish chutes and places where liquid sprays may not be used. May also be used in difficult to access areas including roof voids, wall cavities, basements, around electrical equipment and behind cupboards.
		Ants			Sprinkle the powder along runs, on and around nests. If ants are invading domestic premises apply powder to routes by which they enter. Repeat as necessary
		Fleas			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 wall paper, joints in woodwork and other harbourages.

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.



Features of Dragnet Dust

- Twice the concentration of other industrial permethrin dusts
- Lower use rate - 5 g/m^2
- Registered for the control of a range of domestic and agricultural pests in a range of situations
- Increased insecticidal activity compared with other registered permethrin dusts
- Unscheduled product
- Low mammalian toxicity
- High grade dust for good flow and floatability characteristics.
- Available in handy 10 kg plastic bucket
- Cost effective

Spporting Literature

A Material Safety Data Sheet and AQIS Instrument of approval are available for Dragnet Dust Insecticidal Powder. The product is approved by AQIS under category 16 as a Pesticide Type D.



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