



**TECHNICAL**

## **DATA SHEET**

**Product Name: Predator Fire Ant Killer & Insecticide**

**Product Number: MARC 345**

### **FEATURES & BENEFITS**

- Ready-to-use
- Unique dispenser bottle
- One pound treats up to 100 Fire Ant mounds
- Kills crawling insects for up to eight months if left undisturbed
- Waterproof dust
- Does not clump
- Not a restricted use insecticide – no applicator’s license required

**M-345 Predator Fire Ant Killer & Insecticide** is a ready-to-use insecticidal dust which gives an effective knockdown and residual control for up to eight months if undisturbed. **M-345 Predator Fire Ant Killer & Insecticide** will not clump or absorb moisture, and is non-staining and odorless. **M-345 Predator Fire Ant Killer & Insecticide** is effective against a wide variety of insects such as (see label for complete list):

- Fire Ants • Carpenter Ants • Bed Bugs • Centipedes • Cockroaches •  
• Crickets • Fleas • Scorpions • Silverfish • Spiders • Ticks •

### **PRODUCT SPECIFICATIONS**

Appearance:	White powder
Odor:	Faint, chalk-like
Relative Density:	2.71 g/ml
Active Ingredient:	Deltamethrin – <u>See Page 2 for more information</u>
Mode of Action:	Contact or ingestion
Solubility in Water:	Dispersible
pH (1% dispersion):	8.8 – 9.4
Residual:	Up to 8 months
Flash Point:	None

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# DELTAMETHRIN – MARC 345 PREDATOR

## What is deltamethrin?

Deltamethrin, the active ingredient in **M-345 Predator Fire Ant Killer & Insecticide**, is a synthetic ester pyrethroid. Pyrethroids are the man-made versions of pyrethrins, natural insecticides derived from the petals of the chrysanthemum flower. Deltamethrin is used outdoors on lawns, gardens, fields, golf courses, around buildings, etc. and indoors as a spot, crack and crevice treatment. Deltamethrin is colorless or white to light beige crystals that have no odor.

## How does deltamethrin work?

Deltamethrin is a dual-action insecticide meaning it has the ability to kill target insects either through coming into physical contact with the chemical or via consumption. It disrupts their normal nervous system function. It is less toxic to mammals due to their higher body temperature, larger body size, and decreased sensitivity to the chemical. Deltamethrin works exceptionally fast to treat a wide number of different pests. Deltamethrin kills targeted insects via interfering with and compromising the insect's central nervous system. This leads to overstimulation of the nerve cells which results in paralysis. With the insect unable to perform its regular bodily functions, the insect eventually dies through starvation. The poison can be spread amongst the colony, and through this transfer, an entire population of insects can die out.

## Benefits of Deltamethrin:

Deltamethrin can be used in various agricultural, industrial, commercial, institutional and landscaping settings. Unlike other pyrethrins, however, pyrethroids like Deltamethrin contain higher levels of toxicity, making them much more effective against insects. Deltamethrin can kill a wide range of insect pests such as fire ants, other types of ants, spiders, fleas, cockroaches, flies, pantry pests, and many other insects; see label for complete list.

## What to Expect:

Using Deltamethrin does not guarantee an instant kill. It can take up to 24 hours to kill the target pest, but the active ingredient does have a long-time residual which can last up to eight months, meaning it does not have to be reapplied as often unless there is a very large infestation.