

PROFESSIONAL
PEST MANAGEMENT

ADVANCED PROTECTION FOR YOUR HOME AGAINST INSECTS

 **Demand[®]CS**
Insecticide

syngenta[®]

Each year, thousands of homeowners look forward to opening the pool, testing the sprinkler system and firing up the grill for the summer. But there is another vital step to take to prepare for the arrival of summer – making preparations for heavy pest pressure.

Syngenta Professional Pest Management (PPM) is a world leader in developing targeted solutions, and partners with Pest Management Professionals to help homeowners achieve their goals of controlling pests all summer.

Why Depend on Demand CS?

Demand® CS insecticide is one of the most effective products for controlling a wide range of pests. Studies show the active ingredient in Demand CS can be 5 to 20 times more effective against insects than insecticides with other active ingredients¹ – so not only will it work better, but it will also work longer. In the long run, that adds up to a more reliable and economical solution.

Demand CS controls more than 30 other pests, including spiders, ants, flies, cockroaches, fleas, ticks and bed bugs. It also offers peace of mind when it comes to mosquito control, especially as West Nile virus and other mosquito-borne diseases continue to affect thousands of people each year. The product can be used both indoors and outdoors on either permeable or non-permeable surfaces with little-to-no odor or staining.



How it Works

Demand CS uses a unique active ingredient, *lambda-cyhalothrin*, which is formulated into a water-based solution using an exclusive capsule suspension system known as iCAP™ technology. This active ingredient is a purified and enhanced synthetic version of the natural insect controls found in certain plants, such as chrysanthemums. The iCAP technology system produces thousands of tiny encapsulated microcaps of insecticide — up to 10,000 per square inch — that hold their shape and stay where sprayed over an extended period of time.

The iCAP technology of Demand CS shields the active ingredient from UV rays, pH extremes and absorption into leaves and other surfaces. The active ingredient is released from the capsule and control comes when an insect directly contacts the capsule or ingests it. The size of the capsules vary, so some are released immediately and some are released over time, which leads to longer residual control.

A single application of Demand CS with iCAP technology can last for months to reduce the annoyance pests bring during the summer.



The microcaps shown in green adhere to insects and are easily passed to other insects for thorough control.

The Makeup of a Microcap

The active ingredient in Demand CS is first encapsulated in a spongy polymer shell. Then, a smooth outer shell is applied to further protect the active ingredient from environmental conditions. This means the product is strong enough to maintain control between bi-monthly and quarterly service cycles, reducing the need to retreat customer properties.

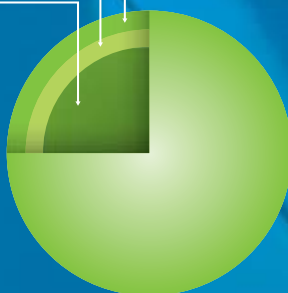
Smooth outer layer:

protects the active ingredient from sunlight and pH extremes

Spongy inner layer:

controls release rate

Active ingredient



A magnified photo of Demand CS with iCAP technology on the leg of a mosquito.

Comprehensive Control

Demand CS effectively controls more than 30 different types of pests, including:

- ▶ Ants
- ▶ Bed bugs
- ▶ Bees
- ▶ Boxelder bugs
- ▶ Carpet beetles
- ▶ Centipedes
- ▶ Cigarette beetles
- ▶ Cockroaches
- ▶ Confused flour beetles
- ▶ Crickets
- ▶ Firebrats
- ▶ Fleas*
- ▶ Flies
- ▶ Lesser grain borers
- ▶ Millipedes
- ▶ Mosquitoes
- ▶ Pillbugs
- ▶ Red flour beetles
- ▶ Rice weevils
- ▶ Saw-toothed grain beetles
- ▶ Scorpions
- ▶ Silverfish
- ▶ Sowbugs
- ▶ Spiders
- ▶ Ticks
- ▶ Wasps

**Outdoor use only.*

Ecological Effects

Demand CS, when applied as directed, has no harmful effect on earthworms, soil microorganisms or soil processes. Demand CS can be directly applied to grass and ornamental plants.



FOR LIFE UNINTERRUPTED™

To learn more about Demand CS, please visit
www.SyngentaPMP.com/DemandCS.

1A Saleh; Sarhad Journal of Agriculture.

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