



**Celite® 610**

# Natural and Reliable Insect Control

CELITE 610 is a mechanical insecticide that has been proven to control the most problematic insect pests such as Lepidoptera larvae, ants, beetles, white flies, psyllids, thrips, and other crawling insects.

## Natural Insecticide

CELITE 610 is an EPA registered and OMRI listed mechanical insecticide. As 100% pure, natural diatomaceous earth it is a qualified generic material listed on the National Organic Program (NOP). Products treated with CELITE 610 can be approved by OMRI or other accredited certifier to be sold as "organic".

## How Does It Work?

CELITE 610 insecticide is the safe and effective alternative to chemical insecticides for a variety of pests.

It can be used indoors and outdoors in dry situations. CELITE 610 insecticide is a mechanical insect killer, which means insects do not build up a resistance as they can with a chemical pesticide. Insects come in contact or ingest this powder and die within 48 hours. As a mechanical insecticide,

It can be used independently or alongside chemical insecticides to form part of a cost-effective Integrated Pest Management program.

CELITE 610 insecticide is a non-toxic, fine powder that works by removing and adsorbing the protective waxy covering of insects that are exposed to it. This covering protects insects from water loss and they dehydrate when the protective layer is removed.

CELITE 610 is intended for application with a hand duster, power duster, or other similar means of application, to areas where crawling insects are found. CELITE 610 can be also be slurried into water and sprayed.

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## Active Ingredient

Diatomaceous Earth, Consisting of:	
Silicon Dioxide	.85.00%
Other Ingredients	.15.00%
Total	100.00%

EPA Reg. No. 73729-1

## Application and Use

**Field Crops:** Application rate depends on crop and maturity.

- Dusted at 15-35 lbs/ac
- Slurried at 15-30 lbs/ac
- Slurried at 3-6 lbs/ac as a tank mix partner with other insecticides, including but not limited to, horticultural oil, pyrethrins, azadirachtin and spinosad.

Surfactants and wetting agents can be added to the slurry tank to improve adhesion of CELITE 610 to plant surfaces. Spray should be directed to coat all sides of leaves and fruits. Product has been shown to be ineffective at relative humidities above 65%

**Packaging:** CELITE 610 is available in bulk, supersacks or 40 pound bags. Smaller bags and pails are available through our national distribution network partners.

**Health & Safety:** Refer to the Safety Data Sheet (SDS) on [www.imerys-filtration.com](http://www.imerys-filtration.com).



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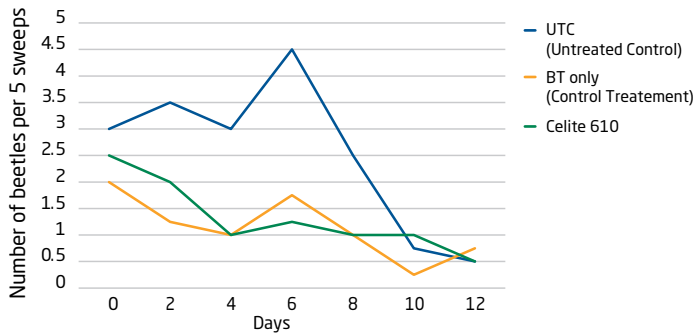
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# Celite® 610

## A New Tool to Combat Increasing Resistance to Chemical Insecticides

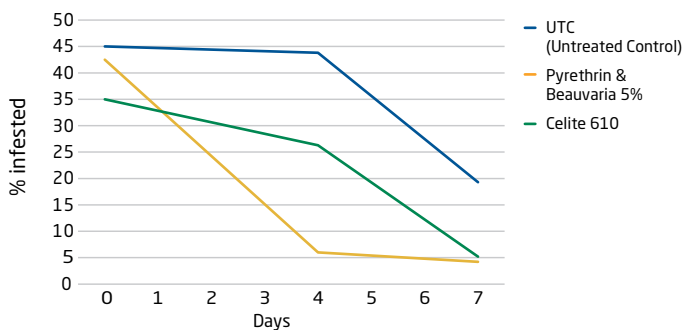
### Effect on Beetles



Celite 610 insecticide performed well as a stand-alone treatment, similar to the industry standard.

Rotating the application of Celite 610 and Pyrethrin would reduce the likelihood of pesticide resistance build up.

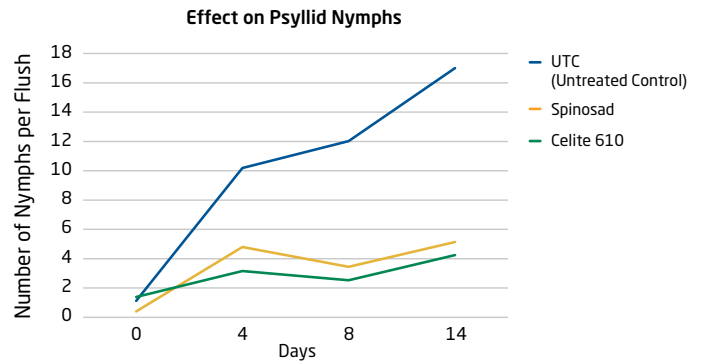
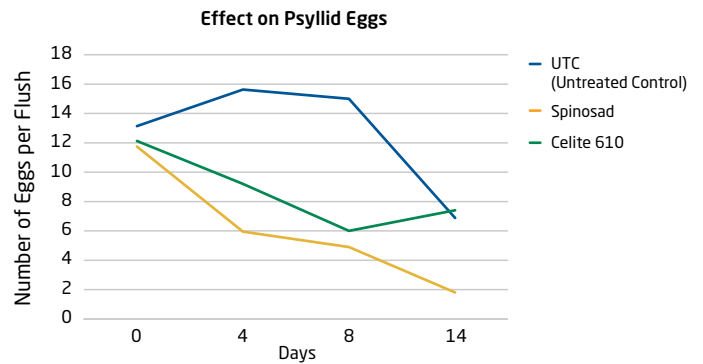
### Effect on Tobacco Hornworms



Celite 610 performed well as a standalone treatment, even though conditions were humid.

BT is a toxin, with fast knock-down, but short lived.

### Effect on Citrus Psyllids - Eggs and Nymphs



Celite 610 performed well as a standalone treatment, even in humid and rainy conditions.

It decimates the adults and breaks the breeding cycle by reducing egg laying

### Recommended Grades

Grade	Type	Product Form	Moisture, as shipped, %	Loose Weight, g/L	pH	Specific Gravity	325 Mesh Screen, % retained	Water Absorption, % by weight
CELITE 610	Engineered natural D.E.	Dust / Wettable Powder	6	155	9.3	2.3	1	220

The physical properties of the products represent typical values obtained in accordance with Imerys test methods and are subject to manufacturing variations. They are provided here as a general reference only, are subject to change without notice, and should not be relied on for any particular application.