



**Celite® 610**

# Natural and Reliable Mechanical Insecticide

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. CELITE 610 is EPA registered, OMRI Listed and NOP compliant. It is formulated with a 100% pure, natural and unique source of diatomaceous earth from a deposit in Mexico, which has better insecticidal properties than competitive diatomaceous earth products.

## Key Advantages of Celite 610

- Unique mode of action
- Long field residual activity
- Insects will not build up resistance to Celite 610
- Short PHI and REI
- Good tank-mix partner with other organic insecticides
- Low cost per acre
- Excellent option for controlling insects in grain storage bins

## How Does It Work?

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

It can be used independently or alongside chemical insecticides to form part of a cost-effective Integrated Pest Management program; and it may be used indoors and outdoors in dry situations.

CELITE 610 insecticide is a mechanical insect killer and non-toxic fine powder. It works by removing and absorbing the protective waxy covering of insects that are exposed to it. When insects come in contact or ingest this powder, they die within 48 hours.

## 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

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 also be slurried into water and sprayed.

**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.



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Celite® 610

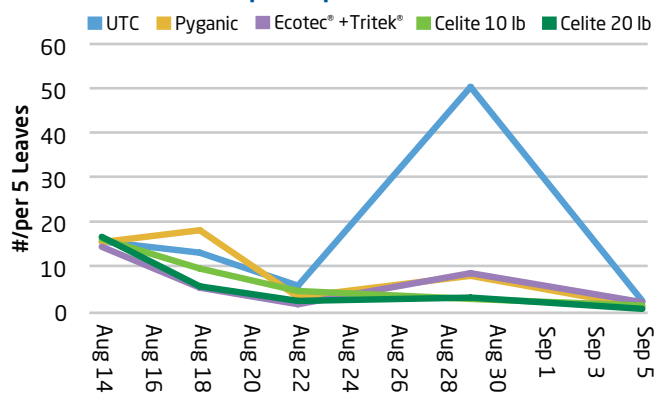
# Efficacy Trials on Processing Tomatoes

These trials were conducted in 2017 in Visalia, CA by TRACS research. Celite 610 was applied at 10 lb/ac and 20 lb/ac rates. Five applications were made on weekly intervals. The first application was made on August 15 and the last application was made on September 13.



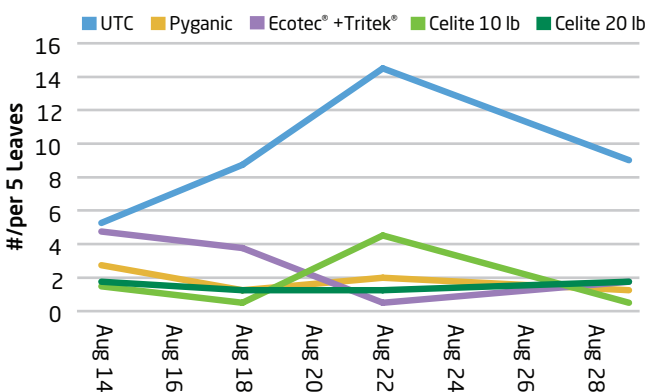
## Celite 610 Efficacy on Green Peach Aphids

# of Green Peach Aphids per 5 Leaves



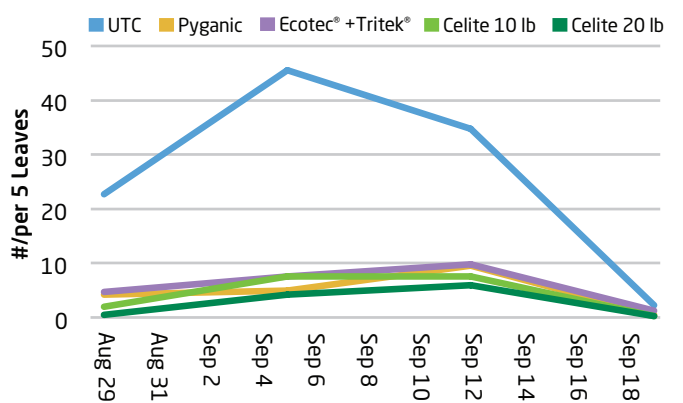
## Celite 610 Efficacy on Beet Armyworms

Total # of Beet Armyworms per Plot



## Celite 610 Efficacy on Silver Whitefly Nymphs

# of Silverleaf Whitefly Nymphs per 5 Leaves



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