

# CELITE® 610

## MECHANICAL INSECTICIDE

EFFECTIVE AND LONG LASTING WHEN KEPT DRY

Kills the following listed insects:

**Beetles:** Spotted Cucumber Beetle (southern corn rootworm), Asparagus Beetle, Bean Beetles, Blister Beetles, Carpet Beetle, Cigarette Beetle, Colorado Potato Beetle, Confused Flour Beetle, Driedfruit Beetle, Drugstore Beetle, Elm Leaf Beetle, Flea Beetles, Hide Beetle, Japanese Beetle, Mexican Bean Beetle, Red Flour Beetle, Sawtoothed Grain Beetle, American Spider Beetle, Yellow Mealworm

**Moths:** Angoumois Grain Moth, Artichoke Plume Moth, Codling Moth, Diamondback Moth (adults & larvae), Ponderosa Pine Tip Moth, Grapeleaf Skeletonizer, Gypsy Moth (adults & larvae), Indian Meal Moth, Mediterranean Flour Moth, Tobacco Moth, Pine Tussock Moth

**Weevils:** Boll Weevil, Carrot Weevil, Sweetclover Weevil, Pepper Weevil, Rice Weevil Flies, Gnats, Maggots: Apple Maggot, Blow Flies, Cabbage Maggots, Cherry Fruit Fly (cherry maggot), Crane Flies, Fruit Flies, Fungus Gnats, Apple Maggot, Mushroom Fly, Olive Fruit Fly, Onion Maggot, Shore fly, Vinegar Fly, Whiteflies

**Worms, Slugs and Caterpillars:** Armyworm, Bagworm, Beet Armyworm, Cross-striped Cabbageworm, Cankerworms, Caterpillars, Corn Earworm (bollworm/tomato fruitworm), Dark Mealworm, Eastern Tent Caterpillar, Fireworms, Forest Tent Caterpillar, Cherry Fruitworm, Tobacco Hornworm, Green Fruitworm, Imported Cabbageworm, Lesser Mealworm, Navel Orangeworm, Pink bollworm, Potato Tuberworm, Saltmarsh caterpillar, Spotted Garden Slug, Tobacco Budworm, Tomato Fruitworm (bollworm/corn earworm), Tomato Hornworm, Tomato pinworm, Beet Webworm, Corn Root Webworm, Western Yellowstriped Armyworm

**Bugs, Scales and Plant Mites:** Armored Scale, Bed Bugs, Billbugs, Boxelder Bug, Clover Mite, Eriophyid Mite, Grain Mite, Grape Mealybug, Greenbug, Harlequin Bug, Lacebugs, Leafhoppers, Citrus Mealybug, Proba bug, Tarnished Plant Bug, Tomato bug, Tomato Russet Mite, Soft Scale, Squash bug, Stink Bugs, Southern chinch bug, Sowbugs, Grape mealybug

**Aphids, Borers, Leafhoppers, Leaf miners, loopers and other insects as listed:** Ants (excluding Fire, Harvester, Carpenter and Pharaoh ants), Aphids, Bermudagrass Mirids, Twig Borers, Cabbage Looper, Cadelle, Chalcids, Cheese Skipper, Crickets, Mole Crickets, Earwigs, European Corn Borer, Fruittree Leafroller, Garden Symphylan, Glassy-winged Sharpshooter, Grape Leafhoppers, Grasshoppers, Green Peach Aphid, Greenhouse Thrip, Katydid, Leafhoppers, Leafminers, Leafrollers, Leaf-tiers, Loopers, Millipedes, Orange Tortrix, Pacific Flatheaded Borer, Pear Psylla, Potato Leafhopper, Psyllids, Shothole borer, Silverfish, Skippers, Springtails, Thrips.

### ACTIVE INGREDIENT:

Diatomaceous Earth, chemical composition consisting of:

Silicon Dioxide ..... 85.0%

**OTHER INGREDIENTS** ..... 15.0%

**Total** ..... 100.0%

Contains 14.2 lbs of Silicon Dioxide per gallon of product

## KEEP OUT OF REACH OF CHILDREN

# CAUTION

Net Weight: 40 lbs

### FIRST AID

**If In Eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies, call the poison control center at 1-800-222-1222. For general information on this product, contact the National Pesticides Information Center (NPIC) at 1-800-858-7378, Monday through Friday, 8 AM to 12 PM PST, or at <http://npic.orst.edu>.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Causes moderate eye irritation. Avoid contact with eyes or clothing. Use adequate ventilation and avoid breathing dust. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders, applicators and other handlers must wear the following:

- Long-sleeved shirt, long pants, shoes and socks;
- Gloves made of any waterproof material;
- Wear protective eye wear; and
- During prolonged exposure, wear a minimum of a NIOSH-approved particulate filtering face-piece respirator with any N, R or P filter; or a NIOSH-approved elastomeric particulate respirator with any N, R or P filter; or a NIOSH-approved powered air-purifying respirator with an HE filter.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

### User Safety Recommendations

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### ENVIRONMENTAL HAZARDS STATEMENT

For terrestrial uses: Do not apply to water, or to areas where surface water is present or to intertidal areas below the mean water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

#### Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

For early entry into treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, wear:

- Coveralls over long-sleeved shirt and long pants, shoes and socks;
- Chemical-resistant gloves made of any waterproof material;
- Wear protective eye wear; and
- During prolonged exposure, wear a minimum of a NIOSH-approved particulate filtering face-piece respirator with any N, R or P filter; or a NIOSH-approved elastomeric particulate respirator with any N, R or P filter; or a NIOSH-approved powered air-purifying respirator with an HE filter.

#### Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep children and pets out of the treated area until sprays have dried

### PRODUCT INFORMATION

This product provides effective control against crawling and flying insect pests and plant parasitic mites. Surfaces treated with CELITE® 610 will control flying insect pests if they land on the treated surface. CELITE® 610 is a mechanical insect killer. When applied as a wettable powder using standard application equipment, it adheres to the outer surface of the target substrate, contact with an insect pest or mite results in the static transfer of a few particles of CELITE® 610 which absorb the protective lipid layer necessary for their survival. As a result, the insect will desiccate. Insect pests and mites will not become immune to CELITE® 610's mode of action. Insect pests that come in contact or ingest this powder will die within 48 hours.

### APPLICATION

This product is for use on crops and stored grain, in and around residential, commercial and agricultural buildings, structures and their immediate surroundings, in and around food/feed handling establishments, in and around livestock and poultry houses and may be applied over the top while animals are present.

CELITE® 610 is intended for application using commercially available hand dusters, power dusters or other suitable means for application to areas where insect pests are found. CELITE® 610 can be applied as a wettable powder (WP). WP treatments are intended both for indoor and outdoor applications and can be applied in a targeted manner.

#### Wettable Powder Mixing Instructions:

1. Fill spray tank with water and add recommended rate of CELITE® 610 to match spray tank application acreage and mix to ensure dispersion.
2. Add optional non-ionic surfactant according to label rate.

### Notes:

- The recommended maximum addition rate of CELITE® 610 to water is 1.65 lbs per gallon.
- Non-ionic surfactants are used to improve spreading on hydrophobic surfaces.
- It is advised to mix this solution directly prior to spraying and apply the entire batch within 8 hours.
- When in suspension, CELITE® 610 will settle if left undisturbed for more than 1 hour, therefore, mix prior to restarting the application.
- When proper coverage is obtained, a visible white residue will be apparent on the treated surface.

### CROP APPLICATIONS

Apply CELITE® 610 as a wettable powder to all listed growing crops to control insect pests and mites. Repeat treatments, up to the listed maximum application rate, to maintain adequate control in the event of rain and if white residue is not visible. It is advisable to add non-ionic surfactants to improve spreading on foliage.

#### Root and Tuber Vegetables (Group 1): Artichoke, Beet, Carrot, Ginger, Horseradish, Potato, Radish, Sweet Potato, Turnip

Insect Pests	Application Instructions:
Aphids	Dependent on insect pressure, apply 6 to 20 lbs of product per acre of crop as a wettable powder. A visible white residue will be apparent on the treated surface when the proper coverage is obtained. Repeat treatments up to the label rate to maintain adequate control in the event of rain and/or whenever white residue has faded.
Artichoke Plume Moth	
Beet Armyworm	
Blister Beetles	
Carrot Weevil	
Colorado Potato Beetle	
Cucumber Beetle	

#### Use Restrictions for Root and Tuber Vegetables (Group 1):

Minimum Application Rate: 6 lbs CELITE® 610 per acre  
Maximum Application Rate (per application): 70 lbs CELITE® 610 per acre  
Maximum Application Rate (per year): 700 lbs CELITE® 610 per acre [595 lbs Silicon Dioxide]

#### Bulb Vegetables (Group 3): Chive, Garlic, Leek, Onion, Shallot

Insect Pests	Application Instructions:
Aphids	Dependent on insect pressure, apply 6 to 20 lbs of product per acre of crop as a wettable powder. A visible white residue will be apparent on the treated surface when the proper coverage is obtained. Repeat treatments up to the label rate to maintain adequate control in the event of rain and/or whenever white residue has faded.
Onion Maggot	
Stink Bugs	
Thrips	
Plant Parasitic Mites	

#### Use Restrictions for Bulb Vegetables (Group 3):

Minimum Application Rate: 6 lbs CELITE® 610 per acre  
Maximum Application Rate (per application): 70 lbs CELITE® 610 per acre  
Maximum Application Rate (per year): 700 lbs CELITE® 610 per acre [595 lbs Silicon Dioxide]

#### Leafy Vegetables (Group 4): Celery, Cress, Fennel, Lettuce, Parsley, Spinach, Swiss chard

Insect Pests	Application Instructions:
Aphids	Dependent on insect pressure, apply 6 to 20 lbs of product per acre of crop as a wettable powder. A visible white residue will be apparent on the treated surface when the proper coverage is obtained. Repeat treatments up to the label rate to maintain adequate control in the event of rain and/or whenever white residue has faded.
Armyworms	
Cabbage Looper	
Corn Earworm	
Cucumber Beetles	
Diamondback Moth	
(Adults & Larvae)	
Plant Parasitic Mites	
Flea Beetles	
Leafhoppers	

#### Use Restrictions for Leafy Vegetables (Group 4):

Minimum Application Rate: 6 lbs CELITE® 610 per acre  
Maximum Application Rate (per application): 70 lbs CELITE® 610 per acre  
Maximum Application Rate (per year): 700 lbs CELITE® 610 per acre [595 lbs Silicon Dioxide]

#### Brassica Leafy Vegetables (Group 5): Broccoli, Brussel Sprouts, Cabbage, Cauliflower, Collards, Kale, Mustard Greens

Insect Pests	Application Instructions:
Aphids	Dependent on insect pressure, apply 6 to 20 lbs of product per acre of crop as a wettable powder. A visible white residue will be apparent on the treated surface when the proper coverage is obtained. Repeat treatments up to the label rate to maintain adequate control in the event of rain and/or whenever white residue has faded.
Armyworms	
Cabbage Loopers	
Cabbage Maggot	
Corn Earworm	
Crickets	
Cross-striped	
Cabbageworm	
Cucumber Beetles	
Diamondback Moth	

#### Use Restrictions for Brassica Leafy Vegetables (Group 5):

Minimum Application Rate: 6 lbs CELITE® 610 per acre  
Maximum Application Rate (per application): 70 lbs CELITE® 610 per acre  
Maximum Application Rate (per year): 700 lbs CELITE® 610 per acre [595 lbs Silicon Dioxide]

#### Legume Vegetables (Group 6): Beans (field, kidney, lima, navy, pinto, snap, blackeyed pea, cowpea, crowder pea), Chickpea, Lentil, Peas (English, field, garden, green, snow, sugar snap), Soybeans

Insect Pests	Application Instructions:
Aphids	Dependent on insect pressure, apply 6 to 20 lbs of product per acre of crop as a wettable powder. A visible white residue will be apparent on the treated surface when the proper coverage is obtained. Repeat treatments up to the label rate to maintain adequate control in the event of rain and/or whenever white residue has faded.
Bean Beetles	
Beet Armyworm	
Caterpillars	
Corn Earworm	
Cucumber Beetles	
European Corn Borer	
Grasshoppers	
Japanese Beetles	
Plant Parasitic Mites	

#### Use Restrictions for Legume Vegetables (Group 6):

Minimum Application Rate: 6 lbs CELITE® 610 per acre  
Maximum Application Rate (per application): 70 lbs CELITE® 610 per acre  
Maximum Application Rate (per year): 700 lbs CELITE® 610 per acre [595 lbs Silicon Dioxide]

#### Fruiting Vegetables (Group 8): Eggplant, Okra, Peppers (bell, nonbell), Tomatoes (bush, tree)

Insect Pests	Application Instructions:
Aphids	Dependent on insect pressure, apply 6 to 20 lbs of product per acre of crop as a wettable powder. A visible white residue will be apparent on the treated surface when the proper coverage is obtained. Repeat treatments up to the label rate to maintain adequate control in the event of rain and/or whenever white residue has faded.
Armyworms	
Corn Earworm	
European Corn Borer	
Flea Beetles	
Plant Bugs	
Plant Parasitic Mites	
Japanese Beetles	
Leafminers	
Loopers	

#### Use Restrictions for Fruiting Vegetables (Group 8):

Minimum Application Rate: 6 lbs CELITE® 610 per acre  
Maximum Application Rate (per application): 70 lbs CELITE® 610 per acre  
Maximum Application Rate (per year): 700 lbs CELITE® 610 per acre [595 lbs Silicon Dioxide]

#### Cucurbit Vegetables (Group 9): Cucumber, Melons (cantaloupe, honeydew, watermelon) Pumpkin, Squash (summer, winter)

Insect Pests	Application Instructions:
Spotted Cucumber Beetle	Dependent on insect pressure, apply 6 to 20 lbs of product per acre of crop as a wettable powder. A visible white residue will be apparent on the treated surface when the proper coverage is obtained. Repeat treatments up to the label rate to maintain adequate control in the event of rain and/or whenever white residue has faded.
Aphids	
Armyworms	
Cabbage Looper	
Corn Earworm	
Cucumber Beetles	
Fruit worms	
Mites	

#### Use Restrictions for Cucurbit Vegetables (Group 9):

Minimum Application Rate: 6 lbs CELITE® 610 per acre  
Maximum Application Rate (per application): 70 lbs CELITE® 610 per acre  
Maximum Application Rate (per year): 700 lbs CELITE® 610 per acre [595 lbs Silicon Dioxide]

#### Citrus Fruits (Group 10): Grapefruit, Kumquat, Lemon, Lime, Mandarin (tangerine), Orange (sweet, sour), Satsuma

Insect Pests	Application Instructions:
Aphids	Dependent on insect pressure, apply 6 to 20 lbs of product per acre of crop as a wettable powder. For large canopy groves, apply up to 70 lbs of product per acre. A visible white residue will be apparent on the treated surface when the proper coverage is obtained. Repeat treatments up to the label rate to maintain adequate control in the event of rain and/or whenever white residue has faded.
Earwigs	
Plant Mite	
Fruit Flies	
Fruittree Leafroller	
Fruitworms	
Fuller Rose Beetle	
Katydid	
Leafhoppers	
Mealybugs	

#### Use Restrictions for Citrus Fruits (Group 10):

Minimum Application Rate: 6 lbs CELITE® 610 per acre  
Maximum Application Rate (per application): 70 lbs CELITE® 610 per acre  
Maximum Application Rate (per year): 700 lbs CELITE® 610 per acre [595 lbs Silicon Dioxide]

#### Pome, Stone & Berry Fruits (Groups 11, 12, 13): Apple, Apricot, Blackberry, Blueberry, Cherry, Crabapple, Cranberry, Grape, Logquat, Mayhaw, Nectarine, Peach, Pear, Plum, Raspberry, Strawberry

Insect Pests	Application Instructions:
Aphids	Dependent on insect pressure, apply 6 to 20 lbs of product per acre of crop as a wettable powder. For large canopy groves, apply up to 70 lbs of product per acre. A visible white residue will be apparent on the treated surface when the proper coverage is obtained. Repeat treatments up to the label rate to maintain adequate control in the event of rain and/or whenever white residue has faded.
Apple Maggot	
Cherry Fruit Fly	
Codling Moth	
Crickets	
Mealybugs	
Mealybugs	
Peach twig borer	
Katydid	

Plant Bugs	Pear psylla	maintain adequate control in the event of rain and/or whenever white residue has faded.
Plant Parasitic Mites	Scales	
Fruitworms	Spotted Wing Drosophila	
Grapeleaf Skeletonizer	Stink Bugs	
Green Peach Aphid	Thrips	
Gypsy Moth (adults & larvae)	Weevils Whiteflies	

**Use Restrictions for Pome, Stone & Berry Fruits (Groups 11, 12, 13):**  
Minimum Application Rate: 6 lbs CELITE® 610 per acre  
Maximum Application Rate (per application): 70 lbs CELITE® 610 per acre  
Maximum Application Rate (per year): 700 lbs CELITE® 610 per acre [595 lbs Silicon Dioxide]

**Tree Nuts (Group 14): Almond, Beechnut, Brazil Nut, Cashew, Chestnut, Macadamia, Pecan, Pistachio, Walnut**

Insect Pests		Application Instructions:
Ants (excluding Fire, Harvester, Carpenter and Pharaoh ants)	Navel Orangeworm Oriental Fruit Moth Peach Twig Borer	Dependent on insect pressure, apply 6 to 20 lbs of product per acre of crop as a wettable powder. For large canopy groves, apply up to 70 lbs of product per acre. A visible white residue will be apparent on the treated surface when the proper coverage is obtained. Repeat treatments up to the label rate to maintain adequate control in the event of rain and/or whenever white residue has faded.
Codling Moth	Plant Parasitic Mites	
Aphids	Scales	
Indian Meal Moth	Stink Bugs	
Leaffooted Bug	Walnut Husk Fly	
Mealybugs		

**Use Restrictions for Tree Nuts (Group 14):**  
Minimum Application Rate: 6 lbs CELITE® 610 per acre  
Maximum Application Rate (per application): 70 lbs CELITE® 610 per acre  
Maximum Application Rate (per year): 700 lbs CELITE® 610 per acre [595 lbs Silicon Dioxide]

**Cereal Grains (Group 15): Barley, Corn (fresh sweet and dried field), Millet, Oats, Rice, Sorghum, Wheat, Wild rice**

Insect Pests		Application Instructions:
Aphids	Greenbugs	Dependent on insect pressure, apply 6 to 20 lbs of product per acre of crop as a wettable powder. A visible white residue will be apparent on the treated surface when the proper coverage is obtained. Repeat treatments up to the label rate to maintain adequate control in the event of rain and/or whenever white residue has faded.
Armyworms	Indian Meal Moth	
Corn Earworm	Japanese Beetle	
Cucumber Beetle	Rice Weevil	
European Corn Borer	Rice Water Weevil	
Flea Beetles	Southern Chinch Bug	
Grasshopper	Stink Bugs	

**Use Restrictions for Cereal Grains (Group 15):**  
Minimum Application Rate: 6 lbs CELITE® 610 per acre  
Maximum Application Rate (per application): 70 lbs CELITE® 610 per acre  
Maximum Application Rate (per year): 700 lbs CELITE® 610 per acre [595 lbs Silicon Dioxide]

**Oilseed Field Crops (Group 20): Cottonseed, Flax seed, Mustard seed, Rapeseed, Sesame, Sunflower**

Insect Pests		Application Instructions:
Aphids	Grasshopper	Dependent on insect pressure, apply 6 to 20 lbs of product per acre of crop as a wettable powder. A visible white residue will be apparent on the treated surface when the proper coverage is obtained. Repeat treatments up to the label rate to maintain adequate control in the event of rain and/or whenever white residue has faded.
Armyworms	Japanese Beetle	
Bean Beetles	Leafhoppers	
Blister Beetles	Leafminers	
Boll Weevil	Loopers	
Cabbage Looper	Plant Bugs	
Caterpillars	Saltmarsh Caterpillar	
Cigarette Beetle	Stink Bugs	
Corn Earworm	Thrips	
Cucumber Beetle	Webworms	
European Corn Borer		

**Use Restrictions for Oilseed Field Crops (Group 20):**  
Minimum Application Rate: 6 lbs CELITE® 610 per acre  
Maximum Application Rate (per application): 70 lbs CELITE® 610 per acre  
Maximum Application Rate (per year): 700 lbs CELITE® 610 per acre [595 lbs Silicon Dioxide]

**Stalk, Stem and Leaf Petiole Vegetables (Group 22): Agave, Asparagus, Bamboo shoots, Celery, Fennel, Kale, Prickly pear**

Insect Pests		Application Instructions:
Aphids	Leafhoppers	Dependent on insect pressure, apply 6 to 20 lbs of product per acre of crop as a wettable powder. A visible white residue will be apparent on the treated surface when the proper coverage is obtained. Repeat treatments up to the label rate to maintain adequate control in the event of rain and/or whenever white residue has faded.
Asparagus Beetle	Diamondback Moth	
Armyworms	Plant Parasitic Mites	
Corn Earworm	Flea Beetles	
Crickets	Japanese Beetles	
Cross-striped Cabbageworm	Loopers Stink Bugs	
Cucumber Beetle	Thrips	

**Use Restrictions for Stalk, Stem and Leaf Petiole Vegetables (Group 22):**  
Minimum Application Rate: 6 lbs CELITE® 610 per acre  
Maximum Application Rate (per application): 70 lbs CELITE® 610 per acre  
Maximum Application Rate (per year): 700 lbs CELITE® 610 per acre [595 lbs Silicon Dioxide]

**Tropical and Subtropical Fruit, Edible Peel Group. (Group 23): Olives**

Insect Pests		Application Instructions:
Aphids	Leafhoppers	Dependent on insect pressure, apply 6 to 20 lbs of product per acre of crop as a wettable powder. For large canopy groves, apply up to 70 lbs of product per acre. A visible white residue will be apparent on the treated surface when the proper coverage is obtained. Repeat treatments up to the label rate to maintain adequate control in the event of rain and/or whenever white residue has faded.
Apple Maggot	Leafminers	
Cherry Fruit Fly	Leafrollers	
Codling Moth	Mealybugs	
Crickets	Olive fruit fly	
Mealybugs	Peach twig borer	
Plant Bugs	Pear psylla	
Plant Parasitic Mites	Scales	
Fruitworms	Spotted Wing Drosophila	
Grapeleaf Skeletonizer	Stink Bugs	
Green Peach Aphid	Thrips	
Gypsy Moth (adults & larvae)	Weevils Whiteflies	
Katydid		

**Use Restrictions for Tropical and Subtropical Fruit, Edible Peel Group. (Group 23):**  
Minimum Application Rate: 6 lbs CELITE® 610 per acre  
Maximum Application Rate (per application): 70 lbs CELITE® 610 per acre  
Maximum Application Rate (per year): 700 lbs CELITE® 610 per acre [595 lbs Silicon Dioxide]

**Non-grouped Crops: Cotton, Hops, Hemp, Peanut, and Tobacco**

Insect Pests		Application Instructions:
Aphids	Japanese Beetle	Dependent on insect pressure, apply 6 to 20 lbs of product per acre of crop as a wettable powder. A visible white residue will be apparent on the treated surface when the proper coverage is obtained. Repeat treatments up to the label rate to maintain adequate control in the event of rain and/or whenever white residue has faded.
Armyworms	Leafhoppers	
Bean Beetle	Leafminers	
Blister Beetles	Loopers	
Boll Weevil	Plant Bugs	
Cabbage Looper	Saltmarsh Caterpillar	
Caterpillar	Stink Bugs	
Cigarette Beetle	Thrips	
Corn Earworm	Tobacco Moth	
Cucumber Beetle	Webworms	
European Corn Borer	Whiteflies	
Grasshopper		

**Use Restrictions for Non-grouped Crops: Cotton, Hops, Hemp, Peanut, and Tobacco:**  
Minimum Application Rate: 6 lbs CELITE® 610 per acre  
Maximum Application Rate (per application): 70 lbs CELITE® 610 per acre  
Maximum Application Rate (per year): 700 lbs CELITE® 610 per acre [595 lbs Silicon Dioxide]

**POULTRY AND LIVESTOCK**

This product is intended for use in and around Poultry and Livestock housing structures, swine houses, cattle barns, calf hutches, loafing barns, horse stables and pet kennels to control insect pests and mites. All other treatments are prohibited. Apply uniformly to infested areas of walls and floors, cracks, crevices, bedding, wall voids and around window and door frames. Applications are permitted when animals are present and may be used over the top of animals. Applications are permitted mid-flock while birds are present, over the top of the birds. Litter should be retreated when replaced and before each new batch of poultry is introduced to the facility.

**Use Restriction:** Do not apply directly to animal feed or watering equipment.

**Litter Treatment:** Use a handheld, power duster or powder spreader to evenly distribute 6 lbs per 1,000 square feet over the litter (minimum application rate for bed bugs is 136 lbs per 1,000 square feet), to the areas underneath feed and watering equipment lines. Bed bugs need to be contacted directly with this product. Applications can be made up to 150 lbs per 1,000 square feet for severe infestations. If litter is greater than 3 inches deep, apply up to an additional 2.5 lbs/1,000 square feet per additional inch of litter.

**Chicken Broiler Houses and Turkey Grow Out Houses**

Insect Pests	Application Instructions:
Darkling Beetle (lesser mealworm) Mealworms Hide Beetles Plant Parasitic Mites Fleas	Apply 120 lbs of CELITE® 610 per 20,000 square foot house in a banded manner under feed lines, feed pans and perimeter boundary using an 18-24 inch drop spreader or hand shaker.
Bed Bugs	For bed bugs, apply a minimum application rate of 136 lbs of CELITE® 610 per 1,000 square foot house in a banded manner under feed lines, feed pans and perimeter boundary using an 18-24-inch drop spreader or hand shaker. For

	severe infestations, applications can be made up to 150 lbs of CELITE® 610 per 1,000 square foot house. Bed bugs need to be contacted directly with this product.
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**Use Restrictions for Chicken Broiler Houses and Turkey Grow Out Houses:**  
Minimum Application Rate: 4 lbs CELITE® 610 per 1,000 square feet  
Maximum Application Rate (per application): 150 lbs CELITE® 610 per 1,000 square feet.  
Maximum Application Rate (per year): 1,500 lbs CELITE® 610 per 1,000 square feet. [1,275 lbs Silicon Dioxide]

**Poultry House Wall Treatments:**

The product is intended for Poultry House walls only. All other wall treatments are prohibited.

Insect Pests	Application Instructions:
Darkling Beetle (lesser mealworm) Mealworms Hide Beetles Plant Parasitic Mites Fleas	Apply as a wettable powder to vertical surfaces paying particular attention to cracks and crevices. Mix at 0.5-1.0 lbs per gallon and apply a single, even coat to the target area to deliver 2-5 oz CELITE® 610 /100 square feet.

**Use Restrictions for Poultry House Wall Treatments:**  
Minimum Application Rate: 2 oz CELITE® 610 per 100 square feet  
Maximum Application Rate (per application): 5 oz CELITE® 610 per 100 square feet.  
Maximum Application Rate (per year): 500 oz CELITE® 610 per 100 square feet [425 oz Silicon Dioxide]

**STORED GRAIN, LEGUMES, NUTS**

An effective addition for insect pest and mite control, by physical action for suppressing insect pest damage to legumes, nuts and stored grain, including barley, buckwheat, corn, oats, rice, rye, sorghum grain, wheat, and mixtures of these grains.

CELITE® 610 is typically added at 0.6 - 2 lbs of per ton of legumes, nuts or grain (300 - 900 ppm) at the point of entry into storage. For stored grain, legumes or nuts in aerated storage conditions at moisture levels below 12% add 1 lb of CELITE® 610 per ton of grain, legumes or nuts. For stored grain, legumes or nuts in aerated storage with moisture levels between 12% - 15% add 2 lbs of CELITE® 610 per ton of grain, legumes or nuts. Up to 7 pounds of this product per ton of grain, legumes or nuts (3,500 ppm) can be added in the event of severe infestation. For best results, treat grain, legumes or nuts immediately after harvest.

Treated grain, legumes or nuts may be reduced to a lower grade, have reduced flowability and test weight. When using layer treatment, no more than 10% – 20% of the total mass should be treated order to minimize the bulk density reduction of the total mass. After the grain, legumes or nuts are initially transported upon storage, the overall concentration of CELITE® 610 in the entire mass will be greatly reduced because of dilution with untreated grain, legumes or nuts and some dust loss to the air. At higher dosing rates, it is advised to increase the dilution factor between treated and untreated grain, legumes or nuts to further minimize bulk density reductions in total mass. Common dilution factors used to mitigate reductions in bulk density are 1:19, 1:9, and 1:4 CELITE® 610 treated grain, legumes or nuts to untreated grain, legumes or nuts with the 1:19 dilution factor giving the lowest reduction in bulk density.

**Harvest and Loading Equipment:** Clean out harvesting and loading equipment such as combines, trucks, and augers at the end of each harvest season. Treat combine headers, trucks, augers and conveyer belts with CELITE® 610 using a power duster to target areas where insect pests may reside. The amount of product to be applied will vary with the equipment being treated but should usually be in the range of 2-5 oz/100 square feet.

**Storage Facilities:** Clean storage facilities including bins, flat storages, ship holds, box cars, and silos of any grain fines and broken kernels. Apply CELITE® 610 on the floors and sides of empty storage facilities. Spray or dust the outside of the bin to a height of 3 feet and the surrounding concrete, gravel or sod to a distance of 6 - 9 feet from base of structure. Treat empty storage facilities two to three weeks before grain, legume or nut storage. Repeat applications when storage areas are emptied to control residual insect pest populations. To aid in dispersion of CELITE® 610 throughout large capacity bins, aeration fans may be used. A backpack sprayer or larger power sprayer may be used to apply CELITE® 610 as a wall treatment in storage facilities. Mix at 0.5 - 1.0 lb per gallon and apply a single, even coat to the target area to deliver 2 - 5 oz/100 square foot coverage.

**Add Mixture Dry Treatment:** Apply 1 lb of CELITE® 610 per ton of grain, legumes or nuts to clean product as it is loaded into the bin according to the application rate given above. Apply to a moving stream at the bottom of the bucket elevator or auger so the material has an opportunity to contact as much product as possible as the grain, legumes or nuts are moved. For bagged grain, legumes or nuts, spread the recommended dose on top of the product and mix using a shovel before adding the treated product to storage bags.

**Top Dress Treatment:** Use a handheld, power duster or powder spreader to evenly distribute 2 - 4 lbs/1,000 square feet directly to the surface or shell layer.

**FOOD AREAS OF FOOD/FEED HANDLING ESTABLISHMENTS**

Food/feed handling establishments are places other than private residences in which food/feed is held, processed, prepared or served. Apply CELITE® 610 where these listed insect pests may be entering the structure, traveling, breeding or harboring. Remove or cover all food or feed items in the treatment area before applying product. Treat open spaces below floors, above ceilings, within walls, under stairs, underneath and behind equipment or appliances, around pipes and sinks, in utility closets and around garbage and waste cans. In food handling areas, or areas where food or feed products are prepared or stored, apply as a crack & crevice or spot treatment. As a crack & crevice treatment, apply sparingly into cracks and crevices using equipment designed to place powder into specific locations. Limit spot treatments to walls or floors where pests are suspected of hiding. No individual spot treatments should exceed 2 square feet. For best results, apply to dry areas. Repeat treatment on dry surfaces if CELITE® 610 has been removed to maintain control of problem insect pests. Apply as a dry powder OR wettable powder in a targeted manner. The amount of product to be applied will vary with the site but should usually be in the range of 2-5 oz/100 square feet.

**RESIDENTIAL USES (INDOOR AND OUTDOOR APPLICATIONS)**

In living areas, make applications in such a manner as to avoid deposits on exposed surfaces or introducing the material into the air. Application as wettable powder will facilitate a targeted application. Treat a small area of the surface to be treated and look for staining or other adverse reactions before making regular application.

**WETTABLE POWDER MIXING INSTRUCTIONS PER 1 GALLON CONTAINER**

1. Fill container with water and add 1 lbs CELITE® 610. Close and shake the container for 15 seconds to disperse the CELITE® 610.
2. Carefully decant into handsprayer, pressurize and apply a single, even coat to the target area.

To apply CELITE® 610 directly into cracks and crevices, use a bulbous duster or other suitable equipment. Apply lightly and uniformly to infested areas. The amount of product to be applied will vary with the site but should usually be in the range of 2-5 oz/100 square feet applied as either a dust or wettable powder.

**Indoor use:** Lightly coat a thin layer of CELITE® 610 in areas where target pests are found and may hide such as cracks and crevices, behind and beneath refrigerators, cabinets, stoves, garbage cans and in and around sewer pipes and drains, window frames and in attics and basements. Dust insect pests directly if possible. Repeat treatment if the product is inadvertently removed. The amount of product to be applied will vary with the site but should usually be in the range of 2-5 oz/100 square feet.

**Fleas:** Thoroughly treat floor and bedding in and around pets' sleeping quarters. Treat surrounding cracks and crevices, baseboards, carpeting and wherever fleas are suspected.

**Carpet Beetles:** Dust along baseboards, carpet edges, under carpeting, furniture, in closets and shelving where these insect pests are seen or suspected.

**Bed Bugs:** Dismantle bed frame and remove bedding. Do not apply product to bedding. Apply CELITE® 610 to the bed frame, mattress and box spring. Application to mattresses and box springs is intended for treatment of seams, edges and tufts, creases, folds, indentations, buttons, vent holes only. Do not treat the entire surface of the mattress or box spring. After four hours, vacuum the dust from the mattress. Also apply the product to cracks and crevices in the sleeping area such as baseboards, behind pictures/wall hangings, along and underneath carpet edges and other articles/furniture in the bedroom or sleeping area.

**USE RESTRICTION:** Do not apply to stuffed animals or toys.

**Outdoor Use:** Lightly coat a thin layer of CELITE® 610 in areas where these insect pests are found such as patios, outdoor sills, window and door frames. Apply around foundations, along ant trails and around sewer pipes and drains. The treatment can be repeated in the event of rain or if the white residue is not visible. The amount of product to be applied will vary with the site but should usually be in the range of 2 - 5 oz/100 square feet.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.  
**PESTICIDE STORAGE:** Keep this product in its tightly closed original container. Store in a cool, dry (preferably locked) area that is inaccessible to children and animals.  
**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.  
**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. **If empty:** Offer for recycling if available or discard in a sanitary landfill. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

**WARRANTY DISCLAIMER**

To the extent consistent with applicable law, Manufacturer makes no warranty, expressed or implied, regarding the performance of this product that extend beyond the statements made on this label.



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