



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

August 20, 2021

Ms. Jamie Guillory  
Regulatory Specialist  
Imerys Filtration Minerals, Inc.  
c/o Spring Trading Company  
203 Dogwood Trail  
Magnolia, TX 77354

Subject: Label Amendment – Multiple Label Revisions Including Referral Statements,  
Environmental Hazards, Container Handling, etc.  
Product Name: DIAFIL 610  
EPA Registration Number: 73729-1  
Application Date: 9/28/2018 & 10/24/2018  
Decision Number: 545258 & 548214

Dear Ms. Guillory:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is attached for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

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Decision No. 545258 & 548214

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Briana Hanlon by phone at (703) 347-8337, or via email at [hanlon.briana@epa.gov](mailto:hanlon.briana@epa.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "Marion J. Johnson, Jr.", is centered below the "Sincerely," text.

For:  
Marion J. Johnson, Jr.,  
Acting Product Manager 10  
Invertebrate & Vertebrate Branch 2  
Registration Division (7505P)

Attachment

# MASTER LABEL

# Diafil® 610

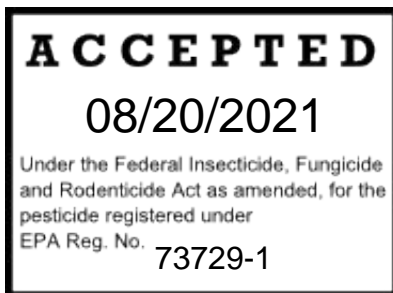
[Note: Bracketed Text is Optional.]

[Alternate Brand Names: Celite® 610, Deadzone™, DEZONE™]

**ACTIVE INGREDIENT:**

Diatomaceous Earth, chemical composition consisting of:

Silicon Dioxide .....	85.0%
OTHER INGREDIENTS .....	15.0%
<b>Total</b> .....	<b>100.0%</b>



# SubLabel A – All Uses

## Diafil® 610

MECHANICAL INSECTICIDE

Effective and long lasting when kept dry.

Kills the following:

**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, Billbugs, Boxelder Bug, Clover Mite, Eriophyid Mite, Grain Mite, Grape Mealybug, Greenbug, Harlequin Bug, Lacebugs, Leaffooted bug, 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%
<b>Total</b> .....	<b>100.0%</b>

[Optional referral statements when booklets and container labels are used:

See Panel for First Aid Instructions and [booklet for] [complete] Precautionary Statements [and Directions For Use].

See label booklet for complete Precautionary Statements, Directions For Use, and Storage and Disposal.

See label booklet for additional Precautionary Statements, Directions For Use, and Storage and Disposal.

See label booklet for Complete Directions For Use.]

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

**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 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. When using this product during prolonged exposure, wear a minimum of a NIOSH-approved particulate filtering facepiece 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.

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

- a long sleeved shirt and long pants
- socks and shoes
- during prolonged exposure, a minimum of a NIOSH-approved particulate filtering facepiece 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

**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,
- Chemical-resistant gloves made of any waterproof material, and
- Shoes plus socks

### **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 is a ready-to-use insecticide which provides effective control against crawling and flying insect pests and plant parasitic mites. Surfaces treated with DIAFIL® 610 will control flying insect pests if they land on the treated surface. DIAFIL® 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 Diafil® 610 which absorb the protective lipid layer necessary for their survival. As a result, the insect will dehydrate. Insect pests and mites will not become immune to Diafil® 610's mode of action. Insect pests cannot become immune to its 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.

DIAFIL® 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. DIAFIL® 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 DIAFIL® 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 DIAFIL® 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, DIAFIL® 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 DIAFIL® 610 as a wettable powder to all listed growing crops to control insect pests and mites. Repeat treatments, up to the 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

Pests	Application Instructions:
Aphids Artichoke Plume Moth Beet Armyworm Blister Beetles Carrot Weevil Colorado Potato Beetle Cucumber Beetle Japanese Beetle Potato Leafhopper Potato Tuberworm Psyllids Stink Bugs Thrips Whiteflies	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.
<b>Restrictions:</b> Minimum Application Rate: 6 lbs DIAFIL® 610 per acre Maximum Application Rate (per application): 70 lbs DIAFIL® 610 per acre	

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

Pests	Application Instructions:
Aphids Onion Maggot Stink Bugs Thrips	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.
<b>Restrictions:</b> Minimum Application Rate: 6 lbs DIAFIL® 610 per acre Maximum Application Rate (per application): 70 lbs DIAFIL® 610 per acre	

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

Pests	Application Instructions:
Aphids Armyworms Cabbage Looper Corn Earworm Cucumber Beetles Diamondback Moth (Adults & Larvae) Plant Parasitic Mites	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



Flea Beetles Leafhoppers Leafminers Loopers Saltmarsh Caterpillar Stink Bugs Thrips Whiteflies	rain and/or whenever white residue has faded.
<b>Restrictions:</b> Minimum Application Rate: 6 lbs DIAFIL® 610 per acre Maximum Application Rate (per application): 70 lbs DIAFIL® 610 per acre	

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

<b>Pests</b>	<b>Application Instructions:</b>
Aphids Armyworms Cabbage Loopers Cabbage Maggot Corn Earworm Crickets Cross-striped Cabbageworm Cucumber Beetles Diamondback Moth (Adults & Larvae) Flea Beetles Imported Cabbageworm Leafhoppers Saltmarsh Caterpillar Stink Bugs Thrips Whiteflies	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.
<b>Restrictions:</b> Minimum Application Rate: 6 lbs DIAFIL® 610 per acre Maximum Application Rate (per application): 70 lbs DIAFIL® 610 per acre	

**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**

<b>Pests</b>	<b>Application Instructions:</b>
Aphids Bean Beetles Beet Armyworm Caterpillars Corn Earworm Cucumber Beetles European Corn Borer Grasshoppers Japanese Beetles Plant Bugs Plant Parasitic Mites Leafminers Loopers Mexican Bean 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.

Stink Bugs Thrips Webworms Whiteflies	
<b>Restrictions:</b> Minimum Application Rate: 6 lbs DIAFIL® 610 per acre Maximum Application Rate (per application): 70 lbs DIAFIL® 610 per acre	

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

<b>Pests</b>	<b>Application Instructions:</b>
Aphids Armyworms Corn Earworm European Corn Borer Flea Beetles Plant Bugs Plant Parasitic Mites Japanese Beetles Leafminers Loopers Pepper Weevil Psyllids Stink Bugs Thrips Tomato Budworm Tomato Fruitworm Tomato Hornworm Tomato Pinworm Tomato Russet Mite Whiteflies	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.
<b>Restrictions:</b> Minimum Application Rate: 6 lbs DIAFIL® 610 per acre Maximum Application Rate (per application): 70 lbs DIAFIL® 610 per acre	

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

<b>Pests</b>	<b>Application Instructions:</b>
Spotted Cucumber Beetle Aphids Armyworms Cabbage Looper Corn Earworm Cucumber Beetles Fruit worms Mites Grasshopper Leafhoppers Squash Bug Stink Bugs Whiteflies	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.
<b>Restrictions:</b> Minimum Application Rate: 6 lbs DIAFIL® 610 per acre	

Maximum Application Rate (per application): 70 lbs DIAFIL® 610 per acre

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

<b>Pests</b>	<b>Application Instructions:</b>
Aphids Earwigs Plant Mite Fruit Flies Fruittree Leafroller Fruitworms Fuller Rose Beetle Katydids Leaffooted Bug Mealybugs Navel Orangeworm Psyllids Scales Stink Bugs Thrips Whiteflies	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.
<b>Restrictions:</b> Minimum Application Rate: 6 lbs DIAFIL® 610 per acre Maximum Application Rate (per application): 70 lbs DIAFIL® 610 per acre	

**Pome, Stone & Berry Fruits (Group 11, 12, 13): Apple, Apricot, Blackberry, Blueberry, Cherry, Crabapple, Cranberry, Grape, Loquat, Mayhaw, Nectarine, Olives, Peach, Pear, Plum, Raspberry, Strawberry**

<b>Pests</b>	<b>Application Instructions:</b>
Aphids Apple Maggot Cherry Fruit Fly Codling Moth Crickets Mealybugs Plant Bugs Plant Parasitic Mites Fruitworms Grapeleaf Skeletonizer Green Peach Aphid Gypsy Moth (adults & larvae) Katydids Leafhoppers Leafminers Leafrollers Mealybugs Olive fruit fly Peach twig borer Pear psylla Scales Spotted Wing Drosophila Stink Bugs Thrips	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.

Weevils Whiteflies	
<b>Restrictions:</b> Minimum Application Rate: 6 lbs DIAFIL® 610 per acre Maximum Application Rate (per application): 70 lbs DIAFIL® 610 per acre	

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

<b>Pests</b>	<b>Application Instructions:</b>
Ants (excluding Fire, Harvester, Carpenter and Pharaoh ants) Codling Moth Aphids Indian Meal Moth Leaffooted Bug Mealybugs Navel Orangeworm Oriental Fruit Moth Peach Twig Borer Plant Bugs Plant Parasitic Mites Scales Stink Bugs Walnut Husk Fly	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.
<b>Restrictions:</b> Minimum Application Rate: 6 lbs DIAFIL® 610 per acre Maximum Application Rate (per application): 70 lbs DIAFIL® 610 per acre	

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

<b>Pests</b>	<b>Application Instructions:</b>
Aphids Armyworms Corn Earworm Cucumber Beetle European Corn Borer Flea Beetles Grasshopper Greenbugs Indian Meal Moth Japanese Beetle Rice Weevil Rice Water Weevil Southern Chinch Bug Stink Bugs	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.
<b>Restrictions:</b> Minimum Application Rate: 6 lbs DIAFIL® 610 per acre Maximum Application Rate (per application): 70 lbs DIAFIL® 610 per acre	

**Oilseed field crops (Group 20): Cottonseed, Flax seed, Mustard seed, Rapeseed, Sesame, Sunflower**

<b>Pests</b>	<b>Application Instructions:</b>
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<p>Aphids  Armyworms  Bean Beetles  Blister Beetles  Boll Weevil  Cabbage Looper  Caterpillars  Cigarette Beetle  Corn Earworm  Cucumber Beetle  European Corn Borer  Grasshopper  Japanese Beetle  Leafhoppers  Leafminers  Loopers  Plant Bugs  Saltmarsh Caterpillar  Stink Bugs  Thrips  Webworms</p>	<p>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.</p>
<p><b>Restrictions:</b>  Minimum Application Rate: 6 lbs DIAFIL® 610 per acre  Maximum Application Rate (per application): 70 lbs DIAFIL® 610 per acre</p>	

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

<p><b>Pests</b></p> <p>Aphids  Asparagus Beetle  Armyworms  Corn Earworm  Crickets  Cross-striped Cabbageworm  Cucumber Beetle  Leafhoppers  Diamondback Moth  Plant Parasitic Mites  Flea Beetles  Japanese Beetles  Loopers  Stink Bugs  Thrips</p>	<p><b>Application Instructions:</b></p> <p>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.</p>
<p><b>Restrictions:</b>  Minimum Application Rate: 6 lbs DIAFIL® 610 per acre  Maximum Application Rate (per application): 70 lbs DIAFIL® 610 per acre</p>	

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

<p><b>Pests</b></p> <p>Aphids  Armyworms  Bean Beetle</p>	<p><b>Application Instructions:</b></p> <p>Dependent on insect pressure, apply 6 to 20 lbs of product per acre of crop as a wettable powder. A visible white residue</p>
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Blister Beetles Boll Weevil Cabbage Looper Caterpillar Cigarette Beetle Corn Earworm Cucumber Beetle European Corn Borer Grasshopper Japanese Beetle Leafhoppers Leafminers Loopers Plant Bugs Saltmarsh Caterpillar Stink Bugs Thrips Tobacco Moth Webworms Whiteflies	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.
<b>Restrictions:</b> Minimum Application Rate: 6 lbs DIAFIL® 610 per acre Maximum Application Rate (per application): 70 lbs DIAFIL® 610 per acre	

### POULTRY AND LIVESTOCK

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. 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.

**Restrictions:**

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 1000 square feet over the litter, to the areas underneath feed and watering equipment lines. Applications can be made up to 75 lbs per 1000 square feet for severe infestations. If litter is greater than 3 inches deep, apply up to an additional 2.5 lbs per 1000 square feet per additional inch of litter.

### Chicken Broiler Houses and Turkey Grow Out houses

Pests	Application Instructions:
Darkling Beetle (lesser mealworm) Mealworms Hide Beetles Plant Parasitic Mites	Apply 120lbs of Diafil® 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 .
<b>Restrictions:</b> Minimum Application Rate: 6 lbs DIAFIL® 610 per 1,000 square feet	

Maximum Application Rate (per application): 75 lbs DIAFIL® 610 per 1,000 square feet
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**Wall Treatment:**

Apply as a wettable powder to vertical surfaces paying particular attention to cracks and crevices. The amount of product to be applied will vary with the site but should be in the range of 2-5 oz/100 square feet when applied as a single, even coat to the target area.

**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.

Diafil® 610 is typically added at 0.6 -2 lbs of per ton of legumes, nuts or grain (300-900ppm) at the point of entry into storage. For stored grain, legumes or nuts in aerated storage conditions at moisture levels below 12% add 1lbs of Diafil® 610 per ton of grain, legumes or nuts. For stored grain, legumes or nuts in aerated storage with moisture levels between 12-15% add 2lbs of Diafil® 610 per ton of grain, legumes or nuts. Up to 7 pounds of this product per ton of grain, legumes or nuts (3500ppm) 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 Diafil® 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 Diafil® 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 Diafil® 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 Diafil® 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 Diafil® 610 throughout large capacity bins, aeration fans may be used.

A backpack sprayer or larger power sprayer may be used to apply Diafil® 610 as a wall treatment in storage facilities. Mix at 0.5- 1.0 lbs per gallon and apply a single, even coat to the target area to deliver 2-5oz/100 square foot coverage.

### **Add Mixture Dry Treatment**

Apply 1lbs of Diafil® 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 per 1000 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 DIAFIL® 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 DIAFIL® 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 1lbs DIAFIL® 610. Close and shake the container for 15 seconds to disperse the DIAFIL® 610.
2. Carefully decant into handsprayer, pressurize and apply a single, even coat to the target area.

To apply DIAFIL® 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 DIAFIL® 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.

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

**Outdoor Use:** Lightly coat a thin layer of DIAFIL® 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.

**STORAGE:** Store in a cool, dry area.

**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.

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.

Net Weight:\_\_\_\_\_lbs.

EPA Reg. No. 73729-1

EPA Establishment No. 073729-NV-001  
EPA Establishment No. 073729-MEX-002  
Batch Code:

IMERYS FILTRATION MINERALS, INC.  
2500 MIGUELITO RD.  
LOMPOC CA 93436

# SubLabel B - Agricultural Uses

## Diafil® 610

MECHANICAL INSECTICIDE

Effective and long lasting when kept dry.

Kills the following:

**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, Billbugs, Boxelder Bug, Clover Mite, Eriophyid Mite, Grain Mite, Grape Mealybug, Greenbug, Harlequin Bug, Lacebugs, Leaffooted bug, 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%
<b>Total</b> .....	<b>100.0%</b>

[Optional referral statements when booklets and container labels are used:

See Panel for First Aid Instructions and [booklet for] [complete] Precautionary Statements [and Directions For Use].

See label booklet for complete Precautionary Statements, Directions For Use, and Storage and Disposal.

See label booklet for additional Precautionary Statements, Directions For Use, and Storage and Disposal.

See label booklet for Complete Directions For Use.]

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

**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 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. When using this product during prolonged exposure, wear a minimum of a NIOSH-approved particulate filtering facepiece 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.

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

- a long sleeved shirt and long pants
- socks and shoes
- during prolonged exposure, a minimum of a NIOSH-approved particulate filtering facepiece 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

**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,
- Chemical-resistant gloves made of any waterproof material, and
- Shoes plus socks

### PRODUCT INFORMATION

This product is a ready-to-use insecticide which provides effective control against crawling and flying insect pests and plant parasitic mites. Surfaces treated with DIAFIL® 610 will control flying insect pests if they land on the treated surface. DIAFIL® 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 Diafil® 610 which absorb the protective lipid layer necessary for their survival. As a result, the insect will dehydrate. Insect pests and mites will not become immune to Diafil® 610's mode of action. Insect pests cannot become immune to its action. Insect pests that come in contact or ingest this powder will die within 48 hours.

#### Wettable Powder Mixing Instructions:

1. Fill spray tank with water and add recommended rate of DIAFIL® 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 DIAFIL® 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, DIAFIL® 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 DIAFIL® 610 as a wettable powder to all listed growing crops to control insect pests and mites. Repeat treatments, up to the 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

Pests	Application Instructions:
Aphids Artichoke Plume Moth Beet Armyworm Blister Beetles	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

Carrot Weevil Colorado Potato Beetle Cucumber Beetle Japanese Beetle Potato Leafhopper Potato Tuberworm Psyllids Stink Bugs Thrips Whiteflies	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.
<b>Restrictions:</b> Minimum Application Rate: 6 lbs DIAFIL® 610 per acre Maximum Application Rate (per application): 70 lbs DIAFIL® 610 per acre	

**Bulb Vegetable (Group 3): Chive, Garlic, Leek, Onion, Shallot**

<b>Pests</b> Aphids Onion Maggot Stink Bugs Thrips	<b>Application Instructions:</b> 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.
<b>Restrictions:</b> Minimum Application Rate: 6 lbs DIAFIL® 610 per acre Maximum Application Rate (per application): 70 lbs DIAFIL® 610 per acre	

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

<b>Pests</b> Aphids Armyworms Cabbage Looper Corn Earworm Cucumber Beetles Diamondback Moth (Adults & Larvae) Plant Parasitic Mites Flea Beetles Leafhoppers Leafminers Loopers Saltmarsh Caterpillar Stink Bugs Thrips Whiteflies	<b>Application Instructions:</b> 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.
<b>Restrictions:</b> Minimum Application Rate: 6 lbs DIAFIL® 610 per acre Maximum Application Rate (per application): 70 lbs DIAFIL® 610 per acre	

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

<b>Pests</b>	<b>Application Instructions:</b>
Aphids Armyworms Cabbage Loopers Cabbage Maggot Corn Earworm Crickets Cross-striped Cabbageworm Cucumber Beetles Diamondback Moth (Adults & Larvae) Flea Beetles Imported Cabbageworm Leafhoppers Saltmarsh Caterpillar Stink Bugs Thrips Whiteflies	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.
<b>Restrictions:</b> Minimum Application Rate: 6 lbs DIAFIL® 610 per acre Maximum Application Rate (per application): 70 lbs DIAFIL® 610 per acre	

**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**

<b>Pests</b>	<b>Application Instructions:</b>
Aphids Bean Beetles Beet Armyworm Caterpillars Corn Earworm Cucumber Beetles European Corn Borer Grasshoppers Japanese Beetles Plant Bugs Plant Parasitic Mites Leafminers Loopers Mexican Bean Beetle Stink Bugs Thrips Webworms Whiteflies	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.
<b>Restrictions:</b> Minimum Application Rate: 6 lbs DIAFIL® 610 per acre Maximum Application Rate (per application): 70 lbs DIAFIL® 610 per acre	

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

<b>Pests</b>	<b>Application Instructions:</b>
Aphids Armyworms Corn Earworm	Dependent on insect pressure, apply 6 to 20 lbs of product per acre of crop as a wettable powder. A visible white residue

European Corn Borer Flea Beetles Plant Bugs Plant Parasitic Mites Japanese Beetles Leafminers Loopers Pepper Weevil Psyllids Stink Bugs Thrips Tomato Budworm Tomato Fruitworm Tomato Hornworm Tomato Pinworm Tomato Russet Mite Whiteflies	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.
<b>Restrictions:</b> Minimum Application Rate: 6 lbs DIAFIL® 610 per acre Maximum Application Rate (per application): 70 lbs DIAFIL® 610 per acre	

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

<b>Pests</b>	<b>Application Instructions:</b>
Spotted Cucumber Beetle Aphids Armyworms Cabbage Looper Corn Earworm Cucumber Beetles Fruit worms Mites Grasshopper Leafhoppers Squash Bug Stink Bugs Whiteflies	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.
<b>Restrictions:</b> Minimum Application Rate: 6 lbs DIAFIL® 610 per acre Maximum Application Rate (per application): 70 lbs DIAFIL® 610 per acre	

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

<b>Pests</b>	<b>Application Instructions:</b>
Aphids Earwigs Plant Mite Fruit Flies Fruittree Leafroller Fruitworms Fuller Rose Beetle Katydid Leaffooted Bug	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

Mealybugs Navel Orangeworm Psyllids Scales Stink Bugs Thrips Whiteflies	adequate control in the event of rain and/or whenever white residue has faded.
<b>Restrictions:</b> Minimum Application Rate: 6 lbs DIAFIL® 610 per acre Maximum Application Rate (per application): 70 lbs DIAFIL® 610 per acre	

**Pome, Stone & Berry Fruits (Group 11, 12, 13): Apple, Apricot, Blackberry, Blueberry, Cherry, Crabapple, Cranberry, Grape, Loquat, Mayhaw, Nectarine, Olives, Peach, Pear, Plum, Raspberry, Strawberry**

<b>Pests</b>	<b>Application Instructions:</b>
Aphids Apple Maggot Cherry Fruit Fly Codling Moth Crickets Mealybugs Plant Bugs Plant Parasitic Mites Fruitworms Grapeleaf Skeletonizer Green Peach Aphid Gypsy Moth (adults & larvae) Katydid Leafhoppers Leafminers Leafrollers Mealybugs Olive fruit fly Peach twig borer Pear psylla Scales Spotted Wing Drosophila Stink Bugs Thrips Weevils Whiteflies	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.
<b>Restrictions:</b> Minimum Application Rate: 6 lbs DIAFIL® 610 per acre Maximum Application Rate (per application): 70 lbs DIAFIL® 610 per acre	

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

<b>Pests</b>	<b>Application Instructions:</b>
Ants (excluding Fire, Harvester, Carpenter and Pharaoh ants) Codling Moth Aphids Indian Meal Moth	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



Leaffooted Bug Mealybugs Navel Orangeworm Oriental Fruit Moth Peach Twig Borer Plant Bugs Plant Parasitic Mites Scales Stink Bugs Walnut Husk Fly	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.
<b>Restrictions:</b> Minimum Application Rate: 6 lbs DIAFIL® 610 per acre Maximum Application Rate (per application): 70 lbs DIAFIL® 610 per acre	

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

<b>Pests</b>	<b>Application Instructions:</b>
Aphids Armyworms Corn Earworm Cucumber Beetle European Corn Borer Flea Beetles Grasshopper Greenbugs Indian Meal Moth Japanese Beetle Rice Weevil Rice Water Weevil Southern Chinch Bug Stink Bugs	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.
<b>Restrictions:</b> Minimum Application Rate: 6 lbs DIAFIL® 610 per acre Maximum Application Rate (per application): 70 lbs DIAFIL® 610 per acre	

**Oilseed field crops (Group 20): Cottonseed, Flax seed, Mustard seed, Rapeseed, Sesame, Sunflower**

<b>Pests</b>	<b>Application Instructions:</b>
Aphids Armyworms Bean Beetles Blister Beetles Boll Weevil Cabbage Looper Caterpillars Cigarette Beetle Corn Earworm Cucumber Beetle European Corn Borer Grasshopper Japanese Beetle 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.

Leafminers Loopers Plant Bugs Saltmarsh Caterpillar Stink Bugs Thrips Webworms	
<b>Restrictions:</b> Minimum Application Rate: 6 lbs DIAFIL® 610 per acre Maximum Application Rate (per application): 70 lbs DIAFIL® 610 per acre	

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

<b>Pests</b>	<b>Application Instructions:</b>
Aphids Asparagus Beetle Armyworms Corn Earworm Crickets Cross-striped Cabbageworm Cucumber Beetle Leafhoppers Diamondback Moth Plant Parasitic Mites Flea Beetles Japanese Beetles Loopers Stink Bugs Thrips	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.
<b>Restrictions:</b> Minimum Application Rate: 6 lbs DIAFIL® 610 per acre Maximum Application Rate (per application): 70 lbs DIAFIL® 610 per acre	

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

<b>Pests</b>	<b>Application Instructions:</b>
Aphids Armyworms Bean Beetle Blister Beetles Boll Weevil Cabbage Looper Caterpillar Cigarette Beetle Corn Earworm Cucumber Beetle European Corn Borer Grasshopper Japanese Beetle Leafhoppers Leafminers Loopers Plant Bugs	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.

Saltmarsh Caterpillar Stink Bugs Thrips Tobacco Moth Webworms Whiteflies	
<b>Restrictions:</b> Minimum Application Rate: 6 lbs DIAFIL® 610 per acre Maximum Application Rate (per application): 70 lbs DIAFIL® 610 per acre	

### **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.

Diafil® 610 is typically added at 0.6 -2 lbs of per ton of legumes, nuts or grain (300-900ppm) at the point of entry into storage. For stored grain, legumes or nuts in aerated storage conditions at moisture levels below 12% add 1lbs of Diafil® 610 per ton of grain, legumes or nuts. For stored grain, legumes or nuts in aerated storage with moisture levels between 12-15% add 2lbs of Diafil® 610 per ton of grain, legumes or nuts. Up to 7 pounds of this product per ton of grain, legumes or nuts (3500ppm) 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 Diafil® 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 Diafil® 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 Diafil® 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 Diafil® 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 Diafil® 610 throughout large capacity bins, aeration fans may be used.

A backpack sprayer or larger power sprayer may be used to apply Diafil® 610 as a wall treatment in storage facilities. Mix at 0.5- 1.0 lbs per gallon and apply a single, even coat to the target area to deliver 2-5oz/100 square foot coverage.

### **Add Mixture Dry Treatment**

Apply 1lbs of Diafil® 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 per 1000 square feet directly to the surface or shell layer.

### **STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**STORAGE:** Store in a cool, dry area.

**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.

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.

Net Weight:\_\_\_\_\_lbs.

EPA Reg. No. 73729-1

EPA Establishment No. 073729-NV-001  
EPA Establishment No. 073729-MEX-002  
Batch Code:

IMERYS FILTRATION MINERALS, INC.  
2500 MIGUELITO RD.  
LOMPOC CA 93436

**[The following Optional marketing statements below may appear anywhere on either of the sub labels]**

[Controls listed insects pests and Plant Parasitic Mites]

[Diatomaceous Earth based mechanical insecticide]

[Diatomaceous Earth (85% Silicon Dioxide)]

[Complimentary Active to many integrated pest management programs]

[Broad Spectrum Mechanical Insecticide]

[Providing a physical mode of action]

[Diafil® 610 is a mechanical insecticide that provides a physical mode of action.]

[Crop protection, Poultry and livestock, Stored grain, Food areas of food/feed handling establishments, residential uses (indoor and outdoor application), commercial pest management]

[SUITABLE FOR USE TO CONTROL LISTED INSECT PESTS AND PLANT PARASITIC MITES]

[American Association of Poison Control Centers: +1 800 222 1222]

[International: Call Chemtec +1 703 527 3887]

[The following Optional graphics may appear on the Front Panel or elsewhere on Sublabels]



**IMERYS**



[Label version date: 08/17/2021]