

73729-1

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

February 25, 2014

Mr. Scott Baker  
Lighthouse Product Services LLC  
1966 W 15<sup>th</sup> Street, Suite 6  
Loveland, Colorado 80538

Subject: Amendment: Adding Uses  
Diafil® 610  
EPA Reg. No. 73729-1  
Your Submission Dated August 13, 2014

Dear Mr. Baker:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable. A stamped copy of the label is enclosed for your records.

If you have any questions regarding this action, please contact BeWanda Alexander at [Alexander.bewanda@epa.gov](mailto:Alexander.bewanda@epa.gov) or (703) 305-7460.

Sincerely,

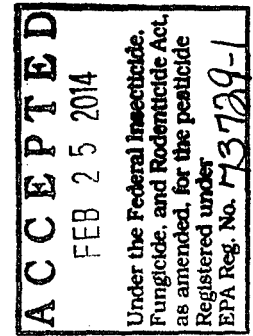
A handwritten signature in cursive script that reads "BeWanda Alexander".

Richard Gebken  
Product Manager Team 10  
Insecticide Branch  
Registration Division (7505P)

Enclosure

# DIAFIL® 610

Effective and long lasting when kept dry.  
Kills Cockroaches, Ants, Earwigs, Silverfish, Beetles, Slugs and Other Crawling Insects.



**ACTIVE INGREDIENT:**

Diatomaceous Earth* (including silicon dioxide, other oxides and moisture).....	100%
<b>Total</b> .....	<b>100%</b>

\*Amorphous Silica

**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. Call 1-800-222-1222

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Causes moderate eye irritation. Avoid contact with eyes. Use adequate ventilation and avoid breathing dust. Wear a suitable dust mask approved by NIOSH/MSHA when using this product during prolonged exposure

**DIRECTIONS FOR USE**

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

**PRODUCT INFORMATION**

This product is a ready-to-use insecticide which provides effective pest control against crawling insects. DIAFIL 610 is a mechanical insect killer. Insects cannot become immune to its action. Insects come in contact or ingest this powder and die within 48 hours.

This product is for use 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, on crops, and stored grain.

**LIVESTOCK**

For use in and around livestock housing structures, swine houses, cattle barns, calf hutches, loafing barns, horse stables and pet kennels. To control ants, spiders, fleas, houseflies, little houseflies, cockroaches, mites, litter beetles, hide beetles, earwigs and other insects, apply dust evenly at a rate up to 6.5 pounds per 1000 square feet. Apply dust using hand or power duster or other suitable equipment, or as a Slurry up to a 20% solution (Note: 1.65 pounds per gallon of water = 20% solution). Apply uniformly to infested areas of walls and floors. Pay particular attention to 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. Do not apply directly to animal feed or watering equipment. Repeat treatments as necessary to maintain adequate control.

### POULTRY HOUSES

To control bedbugs, mites, litter beetles (darkling beetles) and hide beetles, apply dust to litter at a rate up to 4 pounds per 1000 square feet of surface area or as a Slurry up to a 20% solution (Note: 1.65 pounds per gallon of water = 20% solution). Uniformly cover floors and walls, paying particular attention to cracks and crevices, comers and underneath feed and watering equipment and lines. Avoid contamination of feed and water. Applications can be made up to 75 pounds per 1000 square feet for severe infestations and in moist areas. If litter is greater than 3 inches deep, apply up to an additional 25 pounds per 1000 sq. ft. per additional inch of litter. Applications are permitted mid-flock while birds are present. Litter should be retreated when replaced and before each new batch of poultry is introduced to the facility. Repeat treatments as necessary to maintain adequate control.

### CROP APPLICATIONS

DIAFIL 610 may be applied to growing crops to control insects including, Cockroaches, Ants, Earwigs, Millipedes and Centipedes, Crickets and Silverfish, mites, beetles and other crawling insects. Apply as a Dust up to 70 pounds per acre or as a Slurry up to a 20% solution (Note: 1.65 pounds per gallon of water = 20% solution), then sprayed at 44 gallons per acre (equivalent to 70 dry pounds per acre). Repeat treatments as necessary to maintain adequate control. Surfactants and wetting agents can be added to the slurry tank to improve adhesion of DIAFIL 610 to plant surfaces. Spray should be directed to coat all sides of leaves and fruits. Product has been shown to be less effective when the relative humidity is above 65%.

**Slurry Mixing:** When a slurry application is desired or being utilized use the following procedure:

#### Mixing

1. Fill spray tank using 2/3 of the desired amount of water
2. Add up to 26.5 ounces (dry weight) of DIAFIL 610 to each gallon of water in the total spray mixture
3. After DIAFIL 610 is thoroughly blended add the remaining amount of water
4. Maintain constant agitation while blending and spraying
5. Spray application area enough to wet the area but not to the point of runoff.
6. Slurry treatments are intended for outdoor applications and all applications to Livestock, Poultry and crops. Slurry treatments are not intended to be made inside human living areas.

### STORED GRAIN

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

Adjust moisture content of grain to not over 12% by weight, and add 7 pounds of this product per ton of grain at the point of entry into storage. Treated grain may be reduced to a lower grade, have reduced flowability and test weight. For best results, treat grain immediately after harvest.

### 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. To control Asian Lady Beetles, Boxelder Bugs and Cluster Flies: Apply Diafil 610 where these insects may be entering the structure, traveling, breeding or habitating. 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, as needed, to maintain control of problem pests.

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

DIAFIL 610 is intended for application with a hand duster, power duster or other suitable means for application to areas where insects are found. Apply DIAFIL 610 to cracks and crevices with the use of a bulbous duster or other suitable equipment. Apply lightly and uniformly.

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

To apply insecticide 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 1 - 5 oz/100 square feet;

**Indoor use: Cockroaches, Ants, Earwigs, Millipedes and Centipedes, Crickets and Silverfish.** Lightly coat a thin layer of DIAFIL 610 in areas where these 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 insects directly if possible. Repeat treatment regularly.

**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 insects are seen or suspected.

**Bedbugs:** Dismantle bed. Use DIAFIL 610 in joints, crevices and where rungs are inserted. See that all interior areas are dusted. Dust mattresses especially folds and edges. All cracks and crevices and around window openings in the bedroom should be treated.

**Outdoor Use:** DIAFIL 610 is intended for application with a hand duster, power duster or as a slurry for application to areas where insects are found. Cockroaches, Earwigs, Grasshoppers, Ants, Crickets and other insects: Lightly coat a thin layer of DIAFIL 610 in areas where these insects are found such as patios, outdoor sills, window and door frames. Apply around foundations, along ant trails and around sewer pipes and drains. Repeat treatment as necessary.

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**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 may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** **If empty:** Do not reuse this container. Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

Manufacturer makes no warranty, expressed or implied, regarding the performance of this product in the absence of control over how it is used.

Net Weight: \_\_\_\_\_ lbs.

EPA Reg. No. 73729-1

EPA Establishment No. 073729-NV-001

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