

499-509



03/12/2008

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Ms. Patricia Hodge
Whitmire Micro-Gen Research Laboratories Inc.
3568 Tree Court Industrial Blvd.
St. Louis, MO 63122-6682

MAR 12 2008

Dear Ms. Hodge:

Subject: Amendment - add insects and directions for use
Whitmire DE 1606
EPA Reg. No. 499-509
Your submission dated September 20, 2007

The amendment referred to above, submitted in connection with registration under FIFRA section 3(c)(7)(a), is conditionally acceptable provided that you:

1. Submit and/or cite all data or other material required for registration/reregistration of your product under FIFRA section 3(c)(5) or FIFRA section 4 when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
 - a. Bed Bugs can be added to the label with the proposed use directions provided the label application rate for this pest is 1.6 oz/100 square feet or higher.
 - b. For Black Widow Spiders and Pharoah Ants to be added to the label, the maximum label application rate must be increased to 6.33 oz per 100 square feet. This maximum rate must be specified for killing these pests based on the submitted data. The correct current maximum label application rate is 15.25 g/square meter. The three submitted studies from Snell Scientific Inc. applied the subject product at a rate of 20g/square meter, which exceed the current maximum label rate
 - c. The data for America Cockroaches are not acceptable. Efficacy was poor. This pest cannot be added to the label. You must retain "Kills German Cockroaches" as the only cockroach claim that is acceptable.

- d. The studies submitted by Snell Scientific Inc. do not test residual efficacy of the subject product - only "Kill". This may or may not become an issue for other registrants wishing to cite these data.

Please submit 3 copies of amended labeling bearing the above revisions prior to release for shipment

Please note for future data submissions that Snell Scientific, Inc. should submit only the protocol that pertains directly to the submitted study. Generic protocols will not be acceptable in future submissions. Also, in the future Snell Scientific Inc./Whitmire should submit efficacy studies that use untreated control treatments that are more appropriate than water. Use of water may also have enhanced survival in the controls, which may not have occurred if no treatment was made.

A copy of the Agency's efficacy review for the submitted data is enclosed for your records.

Sincerely,

Dana R Pellett

fr George LaRocca.
Product Manager 13
Insecticide Branch
Registration Division (7505P)

Whitmire DE 1606 Crawling Insect Killer

[ALTERNATE BRAND NAME: **MotherEarth™ D**

DESCRIPTOR: **Pest Control Dust**] {added via Notification 7/12/06}

KILLS: Ants*, Asian Lady Beetle, Bed Bugs, Bees, Black Carpet Beetles, Boxelder Bugs, Carpenter Ants, Cigarette Beetles, Cluster Flies, Cockroaches, Confused Flour Beetles, Crickets, Darkling Beetles, Drugstore Beetles, Earwigs, Firebrats, Fleas, Furniture Carpet Beetles, Ground Beetles, Hide Beetles, Hornets, Indianmeal Moths, Lesser Grain Borers, Merchant Grain Beetles, Millipedes, Mites, Paper Wasps, Phorid Flies, Pillbugs, Red Flour Beetles, Rice Weevils, Rusty Grain Beetles, Sawtoothed Grain Beetles, Silverfish, Sowbugs, Spider Beetles, Spiders, Varied Carpet Beetles, Warehouse Beetles, Wasps, Webbing Clothes Moths and Yellowjackets

*Kills foraging fire, harvester and carpenter ants

ACTIVE INGREDIENT:

Diatomaceous Earth (including silicon dioxide, other oxides and moisture).....100%

[Alternate Text: Whitmire DE 1606 consists of the skeletal remains of fresh water diatoms, mined from the earth. Contains amorphous silicon dioxide. This product is intended for indoor and outdoor use to control ants, cockroaches, earwigs, fleas, mites, spiders and other crawling insects.]

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID

IF IN EYES: Hold eyes open and rinse slowly and gently with water for 15 -20 min. Remove contact lenses, if present, after the first 5 min, then continue rinsing eyes. 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 1-800-225-3320 for further information.

[Alternate Text: See side/back panel (complete label) for Precautionary Statements, Directions for Use and Storage and Disposal]

EPA Reg. No. 499-509 • 499-MO-1^A or 67517-MO-1^B
(See code in lot number)

Net Wt: _____



WHITMIRE MICRO-GEN
Research Laboratories, Inc.
800-777-8570 • www.wmmg.com

**ACCEPTED
with COMMENTS
In EPA Letter Dated:**

MAR 12 2008

**Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.**

499-509



PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling. Use adequate ventilation and avoid breathing dust. For prolonged exposure to dust, use a suitable dust mask approved by NIOSH/MSHA.

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

DE 1606 is a ready-for-use insecticide dust which has given effective knockdown and control of the pests listed.

DE 1606 is for use in residential and commercial pest control, in and around buildings and structures and their immediate surroundings, and on modes of transport (i.e. apartments*, homes* and other residential buildings*; daycare centers** and schools**; hospitals† and nursing homes†; hotels and motels; industrial buildings; laboratories; office buildings; other commercial and industrial facilities; restaurants, food/feed handling establishments and food processing plants; warehouses; and on aircraft††, buses, rail cars, trucks, trailers and vessels).

DE 1606 is intended for application with hand or power duster, or by other suitable means, to cracks, crevices, voids, hiding and runway areas, and places where pests are found.

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. Pay particular attention to cracks, crevices and voids where insects may be harboring, traveling, breeding or entering the structure. Examples of these areas are service ducts; false floors and ceilings; wall voids; around electrical and telephone fittings and equipment; around water and sewer pipes; under and behind cabinets, refrigerators and sinks; around window and door frames; along baseboards; in attics and crawl spaces; landscaped and mulched areas. The amount of product to be applied will vary with the site but should usually be in the range of 0.15 – 0.6 oz/10 ft² or 1 – 5 oz/100ft². Repeat treatments as necessary to maintain adequate control.

INDOOR & OUTDOOR TREATMENTS

Crawling Insects : Apply to cracks, crevices and voids where insects may be harboring, traveling, breeding or entering the structure. For example: around sinks and storage areas; behind baseboards; around doors and windows; behind and under refrigerators, cabinets and desks, sinks and stoves, and attics and crawl spaces. In commercial areas, apply to cracks, crevices and voids; office areas; stainless steel equipment; shelving; machinery; pallets; and other areas where these insects may be harboring, traveling or entering the structure.

Carpenter Ants: Apply to cracks, crevices and voids where insects may be harboring, traveling, breeding or entering the structure. If possible, apply dust into infested wood through existing openings or newly drilled small holes. When possible, locate and treat nests, trails and surrounding areas.

Fleas: Apply dust to infested areas such as in and around pet beds and resting quarters; nearby cracks and crevices; under the edges of rugs, carpets and floor coverings. Treat cracks, crevices and voids around and under upholstered furniture, and other areas where these pests frequent. When treating furniture, rugs and fabrics, treat a small area first to check for staining before treating large areas. Do not treat animals with this product.

Bees, Wasps, Hornets, Paper Wasps and Yellowjackets: It is generally advisable to treat wasp and bee nests in the evening when insects are less active and have returned to the nest. Wear protective clothing, if deemed necessary, to avoid stings. Using hand or power duster, or other suitable means (with extension tubes if necessary), thoroughly dust nest, nest entrance and surrounding areas where insects alight. Nests in voids should be located and treated. If necessary, drill a hole into the void(s), blow dust in, and reseal. For ground wasps and yellowjackets, dust entrance and surrounding areas. For best results, carefully check nests 1 – 2 days after treatment to ensure complete kill. When treating overhead nests, apply in such a manner as to avoid drift onto the applicator.

Bed Bugs: Apply to cracks, crevices and voids associated with mattresses, boxsprings, bedframes and other furniture where these insects may harbor, travel, breed or enter the room. Treat mattresses, especially tufts, folds and edges.

Cover with clean bedding before using. Bed bugs may also harbor in areas of the room away from the bed or furniture. Apply product to wall voids, behind wall hangings, floor molding, window casings, carpet's edge, popcorn ceilings and other cracks, crevices or voids.

Carpet Beetles (Black, Furniture and Varied) Webbing Clothes Moths and Spiders: Apply where these insects may be harboring, traveling, breeding or entering the structure. For example: on and under edges of floor coverings; under rugs and furniture; in closets and associated wall voids. When treating furniture, rugs and fabrics, treat a small area first to check for staining before treating a large area.

Fruit and Phorid Flies: Apply where these insects harbor, travel, breed or enter the structure. For example: under cabinets or shelving; behind or under equipment or drains; protected exterior areas such as eaves, trash corrals and dumpsters; and other areas where organic debris may accumulate.

Asian Lady Beetles, Boxelder Bugs and Cluster Flies: Apply where these insects may be harboring, traveling, breeding or entering the structure.

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.

In food handling areas, or areas where food or feed products are prepared or stored, apply as a Crack & Crevice® (C&C®) or spot treatment. As a C&C 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 ft². 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. For best results, apply to dry areas. Repeat treatment on dry surfaces, as needed, to maintain control of problem pests.

OUTDOOR USE

Apply as a treatment in and around cracks, crevices or voids associated with windows, doors, porches, screens, eaves, patios, garages, under stairways, around foundations, sewers, animal burrows, mulched areas, manure or compost piles and in crawl spaces and other areas where insects may be harboring, traveling, breeding or entering the structure.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE AND SPILL PROCEDURES: Store in original container in dry location. In case of spill, vacuum or dampen with water and sweep up.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or an approved waste disposal facility.

CONTAINER DISPOSAL: Empty container by using the product according to the label directions. Do not reuse! Place empty container in trash or offer for recycling if available. If container is partly filled, contact your local solid waste agency for disposal instructions. NEVER PLACE UNUSED PRODUCT DOWN ANY INDOOR OR OUTDOOR DRAIN!

- * In the home, exposed food, food processing and utensils in the treatment area should be covered, cleaned or removed.
- ** Do not apply to classrooms when in use. Do not apply to institutions (including libraries, sport facilities, etc.) in the immediate area when occupants are present.
- † Remove patients before using. After treatment, ventilate rooms for 30 minutes before returning patients to rooms.
- †† Do not apply in aircraft cabins.

A MotherEarth™ brand insecticide from:
Whitmire Micro-Gen Research Laboratories, Inc.
3568 Tree Court Industrial Blvd.
St. Louis MO 63122-6682
800-777-8570 • www.wmmg.com
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