

499-525

4/17/2012

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460-0001

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

April 17, 2012

Dana M. Thomas
Whitmire Micro-Gen Research Laboratories, Inc.
3568 tree Court Ind. Blvd.
St. Louis, MO 63122

Subject: Amended Reregistration Label
Product Name: TC 247
EPA Registration Number: 499-525
EPA Decision Number: 411019 and 411649

Dear Ms. Thomas:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the reregistration of the above referenced product in connection with the **Pyrethrins and Piperonyl Butoxide** REDs and has concluded that your submission is acceptable.

NOTE: This product is **not** being reregistered under sections 3(c) 5 and 4(g) of FIFRA at this time.

Please note that the record for this product currently contains the Confidential Statements of Formulation (CSFs) listed below. Any previously dated CSFs are superseded.

- Basic CSF, dated 12/17/10
- Alternate CSFs #1-3, dated 12/17/10
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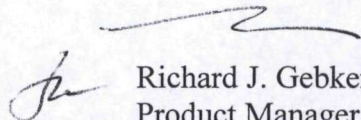
Please note that, should you wish to add/retain a reference to the company's website on your label, the website becomes labeling under FIFRA and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under section 12(a)(1)(E) of FIFRA. 40 CFR §156.10(a)(5) lists 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 be 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 EPA's Office of Enforcement and Compliance Assurance (OECA). As an alternative, you may refer consumers to the company's phone number or e-mail address.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on non-refillable containers. The code may appear either on the label or durably marked on the container itself, and can be added by non-notification per PRN 98-10.

A copy of your label stamped "Accepted" is enclosed along with copies of the acute toxicity and product chemistry reviews completed for the subject product. Products shipped after 12 months from the date of this amendment or the next printing of the label whichever occurs first, must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e).

If you have any questions about this letter, please contact either Jessica Rogala at (703) 347 0263 or via e-mail at Rogala.Jessica@epa.gov.

Sincerely yours,



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

Enclosures: Label stamped "Accepted," dated 4/17/12

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TC 247
KILLS
Flies • Gnats

KILLS: Angoumois Grain Moths, Ants(excluding Carpenter, Fire, Harvester and Pharaoh), Bed Bugs, Bees, Booklice, Carpet Beetles, Chocolate Moths, Cigarette Beetles, Clothes Moths, Clover Mites, Cluster Flies, Cockroaches, Confused Flour Beetles, Crickets, Drug Store Beetles, Earwigs, Flies, Fruit Flies, Gnats, Grain Mites, Granary Weevils, Horn Flies, House Flies, Indianmeal Moths, Mediterranean Flour Moths, Millipedes, Mosquitoes, Mud Daubers, Red Flour Beetles, Rice Weevils, Sawtoothed Grain Beetles, Silverfish, Small Flying Moths, Sowbugs, Spiders (excluding Brown Recluse and Black Widow), Stable Flies and Wasps

FOR USE IN AND AROUND: Apartments, Beef Cattle Operations, Campgrounds, Catteries, Dairy Farms (including Milk House, Milk Parlor, Loafing Sheds, and Holding Lot), Farms, Food Storage Areas, Hog Operations, Horse Barns and Stables, Homes, Hotels, Kennels, Motels, Resorts, Restaurants† and other Food Handling Establishments†, Poultry Operations, Supermarkets, Transportation Equipment (Buses, Boats, Ships, Trains, Trucks and Aircraft – cargo areas only), Utilities, Warehouses, and other Commercial and Industrial Buildings

†See use restrictions for these sites under Directions for Use.

ACTIVE INGREDIENTS:

Pyrethrins, a botanical insecticide..... 0.5%
Piperonyl Butoxide..... 4.0%

OTHER INGREDIENTS:..... 95.5%
Contains petroleum distillate. TOTAL: 100.0%

KEEP OUT OF REACH OF CHILDREN
CAUTION

[Alternate Text: See side panel(s) for First Aid, Precautionary Statements, Directions for Use and Storage and Disposal.]

EPA Reg. No. 499-525 • EPA Est. No. 7969-MO-1

NET WEIGHT: _____

FIRST AID

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 min. 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 information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), you may call 1-800-832-HELP 24hr/day, 7 days/week.

NOTE TO PHYSICIAN: Contains petroleum distillate - vomiting may cause aspiration pneumonia.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Personal Protective Equipment (PPE): Applicators and other handlers must wear the following: Long-sleeve shirt, long pants, shoes and socks.

In addition to the above PPE, applicators fogging this product (applying as a space spray) in an enclosed area must wear a half-face, full-face, or hood-style NIOSH-approved respirator with: a dust/mist filtering cartridge (MSHA/NIOSH approval number prefix TC-21C, or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a cartridge or canister with an R, P or HE filter.

ACCEPTED
4/17/12
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
Registered under
EPA Reg. No. 499-525

USER SAFETY REQUIREMENTS

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.

Discard clothing and other absorbent material that have been drenched or heavily contaminated with product. Do not reuse them.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic organisms, including fish and invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. This product may contaminate water through runoff. This product has a potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark.

PHYSICAL OR CHEMICAL HAZARDS

Extremely Flammable. Contents under pressure. Keep away from fire, sparks, and heated surfaces. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. Do not use this product in electrical equipment (where there is exposed wiring or contact points) due to possibility of short circuits and shock hazard.

DIRECTIONS FOR USE

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

USE RESTRICTIONS

- Apply this product only as specified on this label.
- Except when applying to livestock, only protected applicators may be in treatment area during application.
- Do not apply more than 1 time/day.
- Product should only be used when can temperature is above 60°F. If can temperature is below 60°F, store at room temperature until a temperature above 60°F is reached.
- Except when applying to livestock, do not apply this product in a way that will contact workers or other persons, either directly or through drift.
- Remove pets, birds, cover fish aquariums and turn off air pump motor before application.
- Use only with the supplied actuator and injection tubes or other application equipment approved by the registrant.
- Do not spray on plastic, painted, or varnished surfaces or directly into any electronic equipment such as radios, televisions, computers, etc.
- For direct spray use – except when applying to livestock, do not enter or allow others to enter treated area until sprays have dried.
- For space spray use – except when applying in and around livestock housing, do not enter or allow others to enter until vapors, mists and aerosols have dispersed and the treated area has been thoroughly ventilated.
- All outdoor applications must be limited to spot or Crack & Crevice treatments only, except for the following permitted uses:
 - Treatment to soil or vegetation around structures;
 - Applications to lawns, turf and other vegetation;
 - Applications to building foundations, up to a maximum height of 3 ft.

Other than applications to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors and eaves) are limited to spot and Crack & Crevice applications only.
- Do not make outdoor applications during rain.
- Do not wet plants to the point of run-off or drip.
- Do not water the treated area to the point of run-off.
- Remove or cover all food and drinking water, in the treatment area, before application.

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- Remove or cover dishes, utensils, food processing equipment, and food preparation surfaces in the treatment area, or wash them before use.
- Except when applying to sewers or drains as instructed on this label, do not apply directly to sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur.
- Do not wet articles to point of runoff or drip.
- Do not use treated article until spray has dried.
- For direct application to clothing, dry clean treated clothes before wearing.
- For space spray applications in food handling and processing facilities:
 - Do not make applications when facility is in operation.
 - Cover or remove food in the treatment area.
 - Cover food processing surfaces, in the treatment area, or clean after treatment and before use.
- Do not use in aircraft cabins. Use only in cargo areas.
- When used in dairy barns or facilities: Close milk bulk tank lids to prevent contamination from spray and from dead or falling insects. Remove or cover milking utensils before application. Wash teats of animals before milking.
- Do not apply this product in hospital rooms while occupied or in any rooms occupied by the elderly or infirm. Remove patients from room prior to treatment and thoroughly ventilate (2 hr) after application. Do not return patients to room until after ventilation.
- Do not use in patient rooms in hospitals and nursing homes for treatment of bed bugs.
- Do not apply to classrooms when in use.

APPLICATION INSTRUCTIONS

Apply according to specific directions for pest(s) to be treated.

CRACK & CREVICE® APPLICATION: Inject this product into cracks and crevices or void spaces where insects may be harboring, living and breeding. Place injector tip into cracks, crevices, holes and other small openings. Apply product for 1 sec. For light infestations, move injector tip along cracks while treating at the rate of 3 ft /sec. For heavy infestations, move injector tip along at 1 ft /sec. For treatment of inaccessible voids (including wall and equipment voids), calculate the void's cubic area and treat at the rate of 3 – 5 sec/3 ft³. Several holes may be required in long-running voids.

DIRECT SPRAY & SPOT TREATMENT: Apply the product in short bursts into the area where insects are to be contacted such as corners of the room, behind and under furniture or equipment. Apply from a distance of 18 – 24" from the surface and allow the material to drift to the area to be treated. The amount of product applied is not to exceed 10 sec/room for residential areas or 10 sec/100 ft² for commercial areas. For a Spot Treatment,

SPACE SPRAY: Turn off air conditioners, fans, close doors and windows before treating. Calculate the cubic footage of the area to be treated and apply as follows: **Flying Insects:** Apply at the rate of 1 – 3 sec/1,000 ft³. **Crawling Insects:** Apply at a rate of 20 sec/1,000 ft³. Disperse toward areas suspected of harboring the greatest insect infestations. Disperse in all locations contacting as many insects as possible. Keep area closed for 15 min. Open and thoroughly ventilate before reoccupying.

INDOOR USE

Apply this product as a Crack & Crevice treatment, space spray and/or direct spray. Apply according to the Application Instructions unless otherwise instructed below.

CLUSTER FLIES, CLOVER MITES, FLIES, FRUIT FLIES, GNATS, HOUSE FLIES, MOSQUITOES, SMALL FLYING MOTHS AND STABLE FLIES, WASPS AND BEES: Perform directed spray and/or void treatments in infested areas. **INSIDE STRUCTURAL VOIDS:** Locate all insect entrances and close all but one opening. Apply product through that opening.

ANTS, BOOKLICE, CLOVER MITES, CRICKETS, MILLIPEDES, ROACHES, SILVERFISH, SOWBUGS AND SPIDERS: Treat harborage areas such as behind baseboards, sinks, cabinets, meter boxes, door frames, corners of rooms and windows. Open and thoroughly ventilate the treated area before reoccupying.

BED BUGS: Take bed apart. Treat joints and channels if hollow, such as square or round tubing, and see that the interior framework is treated. Treat mattresses, especially tufts, folds and edges. Cover mattresses with clean bedding before use. When bed bugs are found in upholstered furniture, apply only to the infested tufts, seams, folds and edges and underneath all areas, but do not apply to flat surfaces where human contact will occur. Apply as a Crack & Crevice treatment to all baseboards, moldings, beneath floor coverings and carpets, closets, shelves, curtains, furniture and picture frames. Direct spray into areas where bed bugs harbor. Do not use in patient rooms in hospitals and nursing homes for treatment of bed bugs. Reapply every 7 – 10 days, as needed, until infestation is eliminated.

CARPET BEETLES (in Residences): Hold product 36" above floor and direct spray toward floor and lower walls, treating at the rate of 10 sec/100 ft². Also apply to cracks and crevices near the source of the infestation.

CLOTHES MOTHS: Locate source of infestation. Apply to nearby cracks and crevices and perform a space treatment of the infested area at the rate of 5 – 10 sec/1,000 ft³.

To protect woolens and other keratin containing materials, brush clean then air out. Before treating entire article, treat a small hidden area of fabric to determine if staining will occur. Treat thoroughly by holding dispenser \geq 18" from garment. Put treated

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articles in a darkened closet or other darkened storage such as cedar chests, storage drawers or sealable plastic fabric bags. Clean and treat inside of closets or storage areas at the rate of 1 sec/10 ft² before putting treated materials away. Repeat treatment every 6 mo or as needed. Dry clean treated clothes before wearing.

STORED PRODUCT PESTS – For exposed adult and larval stages of Angoumois Grain Moths (crawling), Carpet Beetles, Chocolate Moths, Cigarette Beetles, Confused Flour Beetles, Drug Store Beetles, Grain Mites, Granary Weevils, Grain Mites, Granary Weevils, Indianmeal Moths, Mediterranean Flour Moths (flying), Red Flour Beetles, Rice Weevils and Sawtoothed Grain Beetles: Apply as a Crack & Crevice, direct spray, or space spray into cracks and crevices/corners of pantries, cabinets, food processing and handling equipment and other places where insects harbor. Apply around cartons, containers and other areas where these insects tend to congregate.

FLEAS (in Buildings): Hold container 36" above floor and direct spray toward floor and lower walls at the rate of 10 sec/100 ft². Ensure that the underneath and lower surfaces of furniture are contacted. Keep area closed for 15 min. Open and thoroughly ventilate before reoccupying. Repeat treatment after 7 days if necessary.

TICKS: Hold container 36" above the floor and direct spray toward pet beds and resting quarters, treating at the rate of 10 sec/100 ft². Apply as a Crack & Crevice treatment into adjacent cracks and crevices such as behind baseboards and edges of carpet and floor covers. Treat higher cracks such as upper door jams and window framing, behind pictures and other areas where females may crawl to lay eggs.

FOOD HANDLING ESTABLISHMENTS

Food handling establishments are places other than private residences in which food is held, processed, prepared or served.

FOOD AREAS: Include areas for receiving, serving, storing (dry, cold, frozen, raw), packing (canning, bottling, wrapping, boxing), preparing (cleaning, slicing, cooking, grinding), edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups).

NON-FOOD AREAS: Include areas such as garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage areas (after canning or bottling).

Apply according to specific directions for pest(s) to be treated. Do not make space spray applications to food areas when the facility is in operation. Prior to space spray applications, remove or cover exposed food and drinking water in the treatment area. Remove or cover dishes, utensils, food processing equipment, and food preparation surfaces in the treatment area, or wash them before use.

USE IN AND AROUND LIVESTOCK AND LIVESTOCK HOUSING

DAIRY FARM USE – Milking Parlor and Milk Room: Close all windows and doors. Close milk bulk tank lids to prevent contamination from spray and from dead or falling insects. Remove or cover milking utensils before application. Direct spray upward, and in all directions at a rate of 1 – 3 sec/1,000 ft³. Keep room closed for 15 min following application. Wash teats of animals before milking.

DOMESTIC ANIMAL USE (Do not spray sick animals): Thoroughly spray entire animal, from a distance of approx. 2 ft, as it is being released to pasture. Do not spray directly toward animal's face or eyes. Spot treat withers, shoulders and back where saliva accumulates from head tossing.

Do not treat companion animals, such as dogs, cats, puppies or kittens, with this product.

STANCHION BARN USE: Walk behind animals and direct spray over backs allowing 1 sec/animal. For most effective results, apply each morning.

BEEF CATTLE OPERATIONS: In barns, close all windows and doors. Spray at the rate of 1 – 2 sec/1,000 ft³. Keep area closed for 15 min following application. If area cannot be closed, double the dosage.

HORSE BARN AND STABLES: Close all windows and doors. Spray at a rate of 1 - 2 sec/1,000 ft³. Keep area closed for 15 min following application. If area cannot be closed, double the dosage. For animal application, lightly mist over the backs of horses and ponies from a distance of \geq 2 ft.

POULTRY OPERATIONS: Use only in empty poultry houses (when birds are not present). Close all windows and doors. Spray at the rate of 1- 2 sec/1,000 ft³. Keep area closed for 15 min following application. Thoroughly ventilate before reintroducing the birds to the treated area. If area cannot be closed, double the dosage.

HOG OPERATIONS: In hog houses, close all windows and doors. Spray at the rate of 1 - 2 sec/1,000 ft³. Keep area closed for 15 min following application. If area cannot be closed, double the dosage. For animal application, direct spray over backs and spray for 1 - 2 sec/hog. Do not spray directly toward animal's face or eyes.

KENNELS AND CATTERIES: Remove animals before spraying. Thoroughly ventilate before reintroducing animals to treated area. **Do not treat companion animals, such as dogs, cats, puppies or kittens, with this product.**

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OUTDOOR USE

FLIES, GNATS AND MOSQUITOES – GROUND APPLICATION: Treat landscapes and open areas around residence, outer buildings and in campgrounds. Apply at a rate of 5 – 15 sec/1,000 ft². Apply in wide swaths across the area to be treated. Allow treatment to penetrate dense foliage. Best results are obtained when wind speed is \leq 5 mph.

BEEES, CLOVER MITES CLUSTER FLIES, FLIES, MUD DAUBERS AND WASPS: Apply directly on insects and their nests from approx. 18". Disperse into hiding and breeding places (voids) contacting as many insects as possible.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry area away from heat or open flame and inaccessible to children.

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

CONTAINER DISPOSAL: Do not puncture or incinerate! **If empty:** Place in trash or offer for recycling, if available. **If partly filled:** Call your local solid waste agency for disposal instructions.

Contains no CFC's or other ozone depleting substances.
Federal regulations prohibit CFC propellants in aerosols.

**CONDITIONS OF SALE AND WARRANTY**

Follow the **Directions for Use**. It is impossible to eliminate all risks inherently associated with use of this product, and therefore all such risk shall be assumed by the Buyer. Whitmire warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions for Use**, subject to the inherent risks, referred to above. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW: (A) WHITMIRE MAKES NO OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY, (B) BUYER'S EXCLUSIVE REMEDY AND WHITMIRE'S AND SELLER'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THE PRODUCT, AND (C) WHITMIRE AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, INCIDENTAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. Whitmire and the Seller offer this product, and the Buyer accepts it, subject to these **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of Whitmire.

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