

499-522

(10/12/2012)

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON D C 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

October 12, 2012

Ms Dana M Thomas
Whitmire Micro-Gen Research Laboratories, Inc
3568 Tree Court Industrial Blvd
St Louis, MO 63122-6682

Subject Amendment – Removal of Mosquitoes and Revised Ant Claim on Labeling
TC 262
EPA Registration Number 499-522
Your Application Dated August 17, 2012

Dear Ms Thomas

The application referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. Submit two copies of your final printed labeling before you release the product for shipment. A stamped copy is enclosed for your records.

If you have any questions, please contact Linda Arrington at 703 305 6249 or by email at arrington.linda@epa.gov

Sincerely,

A handwritten signature in black ink, appearing to read "Richard Gebken".

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

Enclosure

TC 262

For indoor or outdoor application as a direct space area or contact spray. Dependent upon the insects and areas to be treated, this product may be applied through mechanical aerosol (non metered) Ultra Low Volume (ULV) cold aerosol generators, as well as thermal and conventional fogging or spraying equipment.

KILLS Ants (excluding Harvester & Pharaoh) Bed Bugs Cockroaches Fleas Flies Scorpions Spiders Stored Product Pests (Beetles Mites Moths) and Ticks

FOR USE IN Commercial (including Food Handling Establishments Food Service Storage Preparation and Processing Areas) Institutional and Residential Areas

[See inside booklet for additional insects and use sites]

ACTIVE INGREDIENTS

Pyrethrins <i>a botanical insecticide</i>	3 0%
Piperonyl butoxide**	15 0%

OTHER INGREDIENTS

Contains Petroleum Distillate	<u>82 0%</u>
TOTAL	100 0%

* 1 gal contains 0.211 lb of pyrethrins and 1.053 lb of piperonyl butoxide

** (butylcarbityl) (6 propylpiperonyl) ether and related compounds

KEEP OUT OF REACH OF CHILDREN CAUTION

(See inside for First Aid and Precautionary Statements)

EPA Reg No 499-522 • EPA Est No 7969 MO 1

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.

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 additional information on this product (including health concerns, medical emergencies or pesticide incidents) you may call 1-800-832-HELP.

NOTE TO PHYSICIAN May pose an aspiration/pneumonia hazard. Contains petroleum distillate.

PRECAUTIONARY STATEMENTS

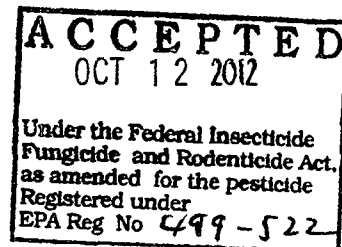
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION Causes moderate eye irritation. Do not get in eyes, on skin or clothing. Wear protective eyewear*. 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.

*Protective eyewear includes goggles, face shield and/or safety glasses.

PERSONAL PROTECTIVE EQUIPMENT (PPE) Mixers, loaders, applicators and other handlers must wear the following: Long sleeve shirt, long pants, shoes and socks, and chemical resistant gloves made of barrier laminate, nitrile rubber, neoprene rubber or Viton.

- In addition to the above PPE, applicators using a high pressure hand wand in an enclosed area must wear at least a NIOSH approved respirator with a dust/mist filter with MSHA/NIOSH approval number prefix TC 21C or any R, P or HE filter.
- 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 any R, P or HE filter.



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 the product's concentrate. Do not reuse them.

USER SAFETY RECOMMENDATIONS

User 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

TERRESTRIAL APPLICATIONS This product 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 has a potential for runoff for several weeks 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.

Except as specified in the directions for use, do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or rinsate.

FOR CONTAINERS > 5 GALLONS Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other water unless in accordance with the requirements of the National Pollutant Discharge Elimination System (NPDES) permit and permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your state water board or regional office of the EPA.

PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame. Do not apply this product around electrical equipment due to the possibility of 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.
- Do not apply more than 1 time/day.
- Only protected handlers may be in the treatment area during application.
- Do not apply this product in a way that will contact workers or other persons, either directly or through drift.
- Do not remain in treated area. Exit area immediately and do not enter or allow others to enter treated area until sprays have dried, until vapors, mists, and aerosols have dispersed, and the treated area has been thoroughly ventilated.
- Remove pets, birds, and cover fish aquariums before spraying.
- Do not make outdoor applications during rain.
- Not for use in outdoor residential misting systems.
- 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 use in aircraft cabins.
- Remove or cover exposed food and drinking water in the treatment area before application.
- Remove or cover dishes, utensils, food processing equipment, and food preparation surfaces in the treatment area, or wash them before use.
- Do not apply as a space spray in residences.
- For space spray applications in food handling and processing facilities:
 - Do not make space spray applications when facility is in operation.
 - Cover or remove food in the treatment area prior to space spray applications.
 - Cover food processing surfaces in the treatment area or clean after treatment and before use.
- 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.

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PRODUCT INFORMATION

Note Some furniture finishes particularly plastics can be damaged by petroleum based insecticides To avoid damage cover those items and do not spray directly If in doubt test by applying this material to an inconspicuous area before spraying

USE IN FOOD HANDLING ESTABLISHMENTS

Applications are permitted in food/feed areas of food/feed handling establishments as a contact spray space spray or Crack & Crevice® treatment including those operating under the Federal meat poultry shell egg grading and egg products inspection programs

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 under the Indoor Use section below Do not make space spray applications to food areas when the facility is in operation unless the treatment area is cordoned off posted and entry prevented 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

INDOOR USE

SPACE SPRAY –FLYING INSECTS (Flies & Gnats) Use full strength or dilute as desired using the dilution chart below Prior to treatment open cabinets doors and equipment to be treated turn off air conditioners and fans extinguish all flames and close windows in the area to be treated Apply using a mechanical aerosol generator (no droplets > 50 microns in diameter and 80% < 30 microns) Apply undiluted at a rate of approx 1 fl oz/1 000 ft³ of room space or apply diluted at the rate of 1 – 2 fl oz/1 000 ft³ of room space In commercial operations subtract the space occupied by stored product or equipment from the cubic footage Disperse toward areas suspected of harboring the greatest infestations of listed pests Disperse in all locations (including around equipment appliances and pallets if desired) contacting as many insects as possible Do not remain in treated areas after application Keep area closed for at least 1 hr Open and thoroughly ventilate treated areas before reoccupying Do not apply as a space spray in residences

DILUTION Use a white mineral oil conforming to regulation 21 CFR 178 3620(b) or an odorless light petroleum hydrocarbon conforming to 21 CFR 172 882 or 40 CFR 180 910 (Inert ingredients used pre and post harvest exemptions from the requirement of a tolerance) and 180 930 (Inert ingredients applied to animals exemptions from the requirement of a tolerance) Combine oil and concentrate as directed below and mix well just prior to application

Pyrethrin %Desired	Mixture Rate	Application Rate per 1,000 ft³
1 00	1 part Conc To 2 parts Oil	1 – 2 fl oz
0 50	1 part Conc to 5 part Oil	1 – 2 fl oz
0 30	1 part Conc to 9 parts Oil	1 – 2 fl oz
0 15	1 part Conc to 19 parts Oil	1 – 2 fl oz

SPACE SPRAY –CRAWLING INSECTS (Ants (excluding Harvester & Pharaoh), Bed bugs, Beetles, Earwigs, Cockroaches, Silverfish, Spiders) Use full strength Prior to treatment open cabinets doors and equipment to be treated turn off air conditioners and fans extinguish all flames and close windows in the area to be treated Apply as a space spray using a mechanical aerosol generator (no droplets >50 microns in diameter and 80% <30 microns) at a rate of approx 1 fl oz/1 000 ft³ of room space In commercial operations subtract the space occupied by stored product or equipment from the cubic footage Disperse toward areas suspected of harboring the greatest infestations of listed pests Disperse in all locations (including around equipment appliances and pallets if desired) contacting as many insects as possible Do not apply as a space spray in residences

Do not remain in treated area after application and leave area closed for 1 hr Ventilate thoroughly before occupants are allowed to reenter

DIRECT SPRAY OR VOID TREATMENTS Use equipment designed space or mist treatments Follow the manufacturer s recommendations for proper equipment set up and operation Place the tip of the applicator at or into the crack or crevice or opening to the void Apply in short bursts into area being treated Apply 1 sec of product for every 3 ft³ of void area **For Direct Spray** 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 other equipment Apply from a distance of 18 24 away from the surface and allow the material to drift to area to be treated The amount of product applied is not to exceed 0 125 fl oz/2 ft² **For Bed Bugs** Direct application into areas where bed bugs harbor Do not direct this product at mattresses

HANDTANK OR PINSTREAM APPLICATION Direct application into cracks and crevices in elements of construction walls floors underneath sinks behind pipes and other places where insects harbor Spot treatment is also permitted For spot treatments use a coarse low pressure spray Limit individual spot treatments to an area no larger than 20% of the surface area Any individual spot treatment shall not exceed 2 ft² Contact as many insects as possible Ensure product will not stain surface or leave an unacceptable residue prior to application The amount of product applied is not to exceed 0 125 fl oz/2 ft²

OUTDOOR USE

OUTDOOR GROUND FOGGING APPLICATION USING HAND HELD EQUIPMENT (Flies & Gnats) Use in open areas near buildings and in campgrounds Use preferably at a time when temperature is cool (≤ 75 F) and the wind velocity is approx ≤ 5 mph When using ULV equipment apply at the rate of 4 fl oz/acre Allow spray drift to penetrate dense foliage

FOR USE ON DOMESTIC ANIMALS/LIVESTOCK

Use to protect beef cattle dairy cattle and horses from horn flies house flies and gnats apply a light mist sufficient to wet the tips of the hair To kill stable flies on beef cattle dairy cattle and horses apply 2 fl oz/adult animal sufficient to wet the hair but not to soak the hide To kill the motile stages of blood sucking lice on beef and dairy cattle apply the spray to thoroughly wet the hair Use 2 fl oz or less/animal and repeat every 2 - 3 weeks as required but do not apply more than 1 time/day **Do not use on dogs and cats**

Space Treatment Over Animals in Barns and Corrals or in Indoor Misting Systems Used in Commercial Barns, Stables and Animal Quarters Select proper dilution and treat with ULD equipment over animals or apply through Indoor Misting Systems

USE RESTRICTIONS FOR INDOOR MISTING SYSTEMS

- Not for use in outdoor residential misting systems (indoor or outdoor) See URBAN MISTING SYSTEMS under OUTDOOR TREATMENTS for directions for use in Urban/Residential automated misting systems
- Do not apply this product in barns or stables where animals intended for slaughter or human consumption will be maintained
- Do not apply when food feed and/or water is present
- When using this product installers and service technicians must comply with the license certification or registration requirements of the state(s) tribe(s) or local authority(ies) where they are installed
- When applying via a remote activation device do not apply when people and pets are present If possible when applying via automatic timer set the timing for application when people and pets are unlikely to be present
- Direct nozzles to spray towards the target area and away from areas where people are typically present
- Do not use in evaporative cooling system
- Do not use in misters located within 3 ft of air vents air conditioner units or windows
- If used in a system with a reservoir tank for the end use dilution the system reservoir tank must be locked Securely attach the end use pesticide label and a dilution statement to the system reservoir tank in a weather protected area or plastic sleeve The dilution statement must be phrased as follows this container holds ___ parts [product name] to ___ parts water
- If used in a direct injection system the pesticide container must be locked Securely attach the end use label to the pesticide container in a weather protected area or plastic sleeve
- This product must only be used in systems that have been calibrated to apply no more than the maximum application rate of 0.0033 lbs/1 000ft³ (no animals present) [diluted to 1% = 6.5 fl oz/1 000 ft³ = 0.0703 lbs/gal] or 0.0008 lbs/1 000 ft³ (animals present) [diluted to 1% = 0.0005 lbs/fl oz = 0.0703 lbs/gal]

STORAGE AND DISPOSAL

Do not contaminate water food or feed by storage or disposal

PESTICIDE STORAGE Store in original container in secured dry storage area Do not store above 100 F for extended periods of time Storage below 32 F may cause freezing If container is damaged or spill occurs use product immediately or dispose of product and damaged container as indicated below

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 Nonrefillable container Empty container by using the product according to the label directions Do not reuse or refill this container! Triple rinse container (or equivalent) promptly after emptying Triple rinse as follows

[(<5 gal) Empty the remaining contents into application equipment or a mix tank and drain for 10 sec after the flow begins to drip Fill the container 1/4 full with water and recap Shake for 10 sec Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal Drain for 10 sec after the flow begins to drip Repeat this procedure 2 more times]

[(>5 gal) Empty remaining contents into application equipment or a mix tank Fill the container 1/4 full with water Replace and tighten closures Tip container on its side and roll it back and forth ensuring at least one complete revolution for 30 sec Stand the container on its end and tip it back and forth several times Turn the container over onto its other end and tip it back and forth several times Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal Repeat this procedure 2 more times]

Then offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration or if allowed by state and local authorities by burning If burned stay out of smoke

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In addition to previously listed sites this product is acceptable for use in and around the following sites

INDOOR

- Animal Areas & Quarters
- Auditoriums
- Bakeries
- Beverage Plants
- Boats
- Bottling Plants
- Brandy Storage Warehouses
- Buildings
- Buses
- Cabins
- Canneries
- Cattle Barns
- Churches
- Closets
- Condominiums
- Communication Centers
- Correctional Facilities
- Dairy & Livestock Barns
- Dried Fruit Processing Plants
- Drains & Sewers
- Dried Fruit Warehouses
- Drugstores
- Dumpsters
- Dwellings
- Egg Processing Plants
- Factories
- Flour Mills
- Food Handling Establishments
- Food Processing Plants
- Freight Containers
- Fruit Packing Sheds
- Garbage Cans
- Garbage Compactors
- Grain Elevators
- Grain Mills
- Grain Handling Equipment
- Granaries
- Homes
- Horse Stables/Barns
- Hospices

- Industrial Installations
- Institutions
- Jails
- Laboratories
- Libraries
- Livestock Barns
- Loafing Sheds
- Locker Rooms
- Mills
- Mausoleums
- Meat Packing Plants
- Milk Rooms
- Missions
- Mobile Homes
- Museums
- Mushroom Processing Plants
- Nursing Homes
- Offices
- Office Buildings
- Passenger Rail Cars
- Peanut Processing Plant
- Peanut Storage Warehouses
- Poultry Houses
- Poultry Processing Plants
- Prisons
- Public Buildings
- Rabbit Processing Plants
- Rabbit Houses
- Railroad Cars
- Recreational Vehicles
- Research Animal Areas
- Restaurants
- Restrooms
- Rice Mills
- Shade Houses
- Ships
- Ship holds
- Stables
- Stable Bins
- Stored Seed Warehouses
- Stores

- Supermarkets
- Swine Houses
- Textile Mills & Warehouses
- Theaters
- Tobacco Plants
- Tobacco Warehouses
- Townhouses
- Trains
- Trucks
- Truck Trailers
- USDA Inspected Facilities
- Utilities
- Utility Rooms
- Voids (Attics Walls Ceilings)
- Warehouses
- Wineries
- Wine Storage Warehouses
- Zoos

OUTDOOR

- Campgrounds
- Corrals
- Drive in Restaurants
- Drive in Theaters
- Dumpsters
- Feedlots
- Garbage Dumps
- Golf Courses
- Junkyards
- Kennels
- Landscapes
- Lath Houses
- Manure Piles
- Parks
- Plantscapes
- Playgrounds
- Recreational Areas
- Sewers
- Swineyards
- USDA Inspected Facilities
- Zoos

This product is also effective against the following insects when used according to label directions

FLYING INSECTS

- Bees
- Blow Flies
- Bottle Flies
- Cheese Skippers
- Deer Flies
- Flies
- Fungus Gnats
- House Flies
- Hornets
- Mushroom Flies
- Stable Flies
- Vinegar Flies
- Yellowjackets

GRAIN BORERS

- Larger Grain Borers
- Lesser Grain Borers

CRAWLING INSECTS

- Bed Bugs
- Book Lice
- Cabbage Loopers
- Cabbage Worms
- Cockroaches
- Crickets
- Fire Ant Workers
- Firebrats
- Millipedes

- Pillbugs
- Scorpions
- Sowbugs

FLEAS & TICKS

- Brown Dog Ticks
- Fleas
- Ticks

SPIDERS & MITES

- Cheese Mites
- Clover Mites
- Grain Mites
- Mites
- Spiders

LICE

- Cattle Lice

WORMS

- Dark Mealworms
- Lesser Mealworms
- Yellow Mealworms

BETLES

- Black Carpet Beetles
- Carpet Beetles
- Darkling Beetles
- Dermestid Beetles
- Dried Fruit Beetles
- Drugstore Beetles

- Fiat Grain Beetles
- Foreign Grain Beetles
- Fungus Beetles
- Hide Beetles
- Ground Beetles
- Merchants Grain Beetles
- Mexican Grain Beetles
- Red Flour Beetles
- Red Horned Grain Beetles
- Rusty Grain Beetles
- Sawtoothed Grain Beetles
- Spider Beetles
- Trogoderma Beetles
- White Marked Spider Beetles

WEEVILS

- Bean Weevils
- Granary Weevils
- Maize Weevils
- Rice Weevils

MOTHS

- Almond Moths
- Chocolate Moths
- Clothes Moths
- Cocoa Bean Moths
- Mediterranean Flour Moths

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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