

499-520

01/11/2007

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Registration Division (7505C)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:

499-520

Date of Issuance:

JAN 11 2007

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Whitmire Micro-Gen TC 252

Name and Address of Registrant (include ZIP Code):

Whitmire Micro-Gen Research Laboratories, Inc.  
3568 Tree Court Industrial Boulevard  
St. Louis, MO 63122-6682

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

(continued on page 2)

Signature of Approving Official:

See page 4

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

Date:

JAN 11 2007

EPA Form 8570-6

2. Make the following change to the label:

a. Change the product registration number to "EPA Reg. No. 499-520"

b. Make the following label revisions:

1. Replace the use site header currently listed as "FOR USE IN AND AROUND:" with "FOR INDOOR USE IN THE FOLLOWING AREAS ONLY:"
2. Per the reregistration eligibility decision (RED) documents for pyrethrins and piperonyl butoxide, delete the sites "Hospitals, Nursing Homes and Schools" from the statement beginning with "FOR USE IN AND AROUND: Apartments, Campgrounds..."<sup>1</sup>
3. Insert the following text immediately following the 2<sup>nd</sup> sentence in the "Precautionary Statements, Hazards to Humans and Domestic Animals" section: "Wear long-sleeved shirt and long pants, socks, shoes and gloves."<sup>2</sup>
4. Per the REDs for pyrethrins and piperonyl butoxide, insert the following text at the end of the existing 2<sup>nd</sup> sentence in the "Precautionary Statements, Environmental Hazards" section: "Remove pets, birds and cover fish aquariums before spraying."<sup>3</sup>
5. Insert the following text at the end of the existing 3<sup>rd</sup> sentence in the "Precautionary Statements, Environmental Hazards" section: ".....or rinsate."
6. Per the REDs for pyrethrins and piperonyl butoxide, insert the following new subsection at the beginning of the Directions for Use section, immediately following the statement "IT IS A VIOLATION OF.....," as follows:  
 "USE RESTRICTIONS:
  - Do not use in nurseries or rooms where infants, ill or aged persons are confined.
  - Do not place metering device directly over or within 8 feet of exposed food, dishes, utensils, food processing equipment and food handling or preparation.
  - Do not install within 3 feet of air vents.
  - Carefully follow directions for the dispenser unit when installing the dispenser and replacing cans or conducting maintenance.<sup>1</sup>
7. Per the REDs for pyrethrins and piperonyl butoxide, delete the existing subsections from the Directions for Use section entitled "IN HOSPITALS AND NURSING HOMES" and "SCHOOLS."<sup>1</sup>
8. Insert the word "Thoroughly" at the beginning of the existing 2<sup>nd</sup> sentence in the Directions for Use, Space Treatment section.

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<sup>1</sup> For more information, please refer to page 95 of 108 of the pyrethrins RED.  
<sup>2</sup> For more information, please refer to page 2 of 2 of the acute toxicity review for this product.  
<sup>3</sup> For more information, please refer to page 100 of 108 of the pyrethrins RED.

- 9. In the Directions for Use, Indoor Treatments section, delete the first 3 text groupings and replace with the following revised statements:

**CLUSTER FLIES, FLIES, FRUIT FLIES, GNATS, HORN FLIES, HOUSE FLIES, MOSQUITOES, SMALL FLYING MOTHS AND STABLE FLIES:**  
 Apply as a space treatment at a rate of 1 - 3 seconds per 1,000 ft<sup>3</sup>. Close all windows and doors. Direct aerosol upward and disperse in all locations. Keep area closed for 15 minutes. Open and thoroughly ventilate treated areas before reoccupying.

**CLUSTER FLIES, CLOVER MITES, WASPS AND BEES INSIDE STRUCTURAL VOIDS:** For treatment of these pests, locate all insect entrances. Close all but one opening. Determine size of void. Inject 5 - 10 seconds per 3 ft<sup>3</sup> of void into last remaining opening. For best results, treat at dusk or later.

**ANTS (except pharaoh, fire and harvester ants), BOOKLICE, CENTIPEDES, CLOVER MITES, CRICKETS MILLIPEDES, ROACHES, SILVERFISH, SOWBUGS AND SPIDERS (except Black Widow and Brown Recluse spiders):**  
 Apply as a Crack & Crevice treatment in cracks, crevices and areas where these pests hide (such as behind baseboards, sinks, cabinets, meter boxes, door frames and windows). Apply as a space treatment at a rate of 5 - 10 seconds per 1,000 ft<sup>3</sup>. For a space treatment, open cabinets and doors in area to be treated, turn off air conditioners and fans and close doors and windows before treating. Disperse in all locations contacting as many insects as possible. Keep area closed for 15 minutes. Open and thoroughly ventilate treated areas before reoccupying.

For treatment of void areas such as attics, false ceilings and crawl spaces, calculate the volume of the void and treat at a rate of 5 - 10 seconds per 1,000 ft<sup>3</sup>.

- 10. In the next to the last sentence of the Directions for Use, Indoor Treatments section, Clothes Moths subsection, delete the words "or as" and replace with the word "if."
- 11. Efficacy data submitted to support this application were not adequate to list ants or spiders without qualification. Revise all listings on this label for "ants" with "ants (except pharaoh, fire and harvester ants)". Revise all listings on this label for "spiders" with "spiders (except Black Widow and Brown Recluse spiders)."<sup>4</sup>
- 12. Remove the "OUTDOOR TREATMENTS" section from the label. Efficacy data have not been provided to support these uses.<sup>4</sup>
- 13. Data deficiencies were identified for storage stability and corrosion characteristics in the product chemistry review for this product. Therefore, Whitmire is obligated to submit a One Year Storage Stability (830.6317) study and a Corrosion Characteristics (830.6320) study on this product in support of this registration within one (1) year from the date of this registration.

<sup>4</sup> For more information, please refer to page 5 of 5 of the efficacy review for this product.

- 3. Submit one copy of the revised final printed label for the record before the product is released for shipment.

Whitmire should note that a notice of availability of EPA's reregistration eligibility decision (RED) document for products containing pyrethrins was published in the *Federal Register* on July 26, 2006 (Volume 71, Number 143, Pages 42387-42389). Further, EPA's RED for products containing piperonyl butoxide was published in the *Federal Register* on July 26, 2006 (Volume 71, Number 143, Pages 42385-42386). As a result, additional data and/or labeling changes may be required for products containing pyrethrins and piperonyl butoxide.

If the above conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.



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

Enclosure: Label stamped "Accepted with Comments"  
 000499-00520 5795844

# WHITMIRE MICRO-GEN TC 252

### KILLS:

Angoumois Grain Moths, Ants, Bed Bugs, Booklice, Carpet Beetles, Centipedes, Chocolate Moths, Cigarette Beetles, Clothes Moths, Clover Mites, Cluster Flies, Cockroaches, Confused Flour Beetles, Crickets, Drug Store Beetles, Earwigs, Fleas, Flies, Fruit Flies, Gnats, Grain Mites, Granary Weevils, Horn Flies, House Flies, Indian Meal Moths, Mediterranean Flour Moths, Millipedes, Mosquitoes, Mud Daubers, Red Flour Beetles, Rice Weevils, Saw-Toothed Grain Beetles, Silverfish, Small Flying Moths, Sowbugs, Spiders, Stable Flies, Ticks and Wasps

### FOR USE IN AND AROUND:

Apartments, Campgrounds, Food Storage Areas, Homes, Hospitals<sup>†</sup>, Hotels, Motels, Nursing Homes<sup>†</sup>, Resorts, Restaurants<sup>†</sup>, and other Food Handling Establishments<sup>†</sup>, Schools<sup>†</sup>, Supermarkets, Transportation Equipment (Buses, Boats, Ships, Trains, Trucks and Aircraft – Cargo Areas Only), Utilities, Warehouses and other Commercial and Industrial Buildings

<sup>†</sup> See special instructions for these sites under Directions for Use.

### ACTIVE INGREDIENTS:

Pyrethrins, a botanical insecticide .....2.0%

OTHER INGREDIENTS: .....98.0%

TOTAL: 100.0%

## KEEP OUT OF REACH OF CHILDREN CAUTION

### FIRST AID

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**IF IN EYES:** Hold eyes 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 eyes. Call a poison control center or doctor for treatment advice.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**IF SWALLOWED:** Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give ANY liquid to the person. Do not give anything by mouth to an unconscious person.

Keep the product container or label with you when calling a poison control center or doctor or going for treatment. You may also call 1-800-225-3320 for emergency medical treatment.

See side panel for Precautionary Statements and Directions for Use.

EPA Reg. No.: 499-xxx • EPA Est. No.: 499-MO-1

NET WEIGHT: \_\_\_\_\_



**WHITMIRE MICRO-GEN**  
RESEARCH LABORATORIES, INC.  
800-777-8570      www.wrmrg.com

**ACCEPTED  
with COMMENTS  
in EPA Letter Dated  
January 11, 2007**  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
499-520

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Avoid contact with skin or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

### ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

### PHYSICAL OR CHEMICAL HAZARDS

**Flammable.** Contents under pressure. Keep away from heat, sparks and open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting.

## DIRECTIONS FOR USE

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

Use only with the supplied actuator and injection tubes or other Whitmire Micro-Gen equipment.

**IN HOSPITALS AND NURSING HOMES:** Apply according to specific directions for pest(s) to be treated. Remove patients from room prior to treatment. Ventilate room for 2 hours after treating. Do not return patients to room until after ventilation.

† **RESTAURANTS AND OTHER FOOD HANDLING ESTABLISHMENTS:** Apply according to specific directions for pest(s) to be treated. When applying as a space treatment in food handling areas, shut down the areas of the operation being treated. Remove or cover foods during treatment. In food processing areas, cover or remove all utensils, shelving, etc., where food will be handled, before treatment or thoroughly wash with an effective cleaning compound followed by a potable water rinse prior to use. Careful Crack & Crevice application for inspection purposes is permissible at all times except in Federally inspected meat and poultry plants, as provided below.

† **FEDERALLY INSPECTED MEAT AND POULTRY PLANTS:** Apply according to specific directions for pest(s) to be treated. When using this product, apply only when processing area is not in operation. Remove or cover foods during treatment. After a space treatment, thoroughly wash all food processing surfaces and equipment with an effective cleaning compound followed by a potable water rinse before using. To prevent food product contamination, ensure that the treated area is free of odor before the food product is placed in the area.

† **SCHOOLS:** Do not apply to classrooms when in use.

Do not spray on plastic, painted, or varnished surfaces or directly into any electronic equipment such as radios, televisions, computers, etc. 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. 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.

**CRACK & CREVICE® TREATMENT:** Inject Whitmire Micro-Gen TC 252 into cracks, crevices or void spaces where insects may harbor, live and breed. Place injector tip into cracks, crevices, holes and other small openings. Apply product for 1 second. For light infestations, move injector tip along cracks while treating at the rate of 3 linear feet per second. For heavy infestations, move injector tip along at 1 linear foot per second. For treatment of inaccessible voids (including wall and equipment voids), calculate the void's cubic area and treat at the rate of 5 – 10 seconds per 3 ft.<sup>3</sup> Several holes may be required in long-running voids.

**SPACE TREATMENT:** Calculate the cubic footage to be treated and apply at the dosage rate specified below for the pest(s) to be treated. Ventilate treated areas before reoccupying.

## INDOOR TREATMENTS

**CLUSTER FLIES, FLIES, FRUIT FLIES, GNATS, HORN FLIES, HOUSE FLIES, MOSQUITOES, SMALL FLYING MOTHS AND STABLE FLIES:** Apply as a space treatment at a rate of 1 – 3 seconds per 1,000 ft.<sup>3</sup> Close all windows and doors. Direct fog upward and disperse in all locations. Keep area closed for 15 minutes. Open and ventilate before reoccupying.

**CLUSTER FLIES, CLOVER MITES, WASPS AND BEES INSIDE STRUCTURAL VOIDS:** For treatment of these pests, locate all insect entrances and close all but one opening. Determine size of void. Inject 5 – 10 seconds per 3 ft.<sup>3</sup> of void into remaining opening. For best results, treat at dusk or later.

**ANTS, BOOKLICE, CENTIPEDES, CLOVER MITES, CRICKETS, MILLIPEDES, ROACHES, SILVERFISH, SOWBUGS AND SPIDERS:** Apply as a Crack & Crevice treatment into cracks and crevices in all hiding places (such as behind

baseboards, sinks, cabinets, meter boxes, door frames and windows) or as a space treatment at a rate of 5 – 10 seconds per 1,000 ft.<sup>3</sup>

For a space treatment, open cabinets and doors in area to be treated, turn off air conditioners and fans and close doors and windows before treating. Disperse toward area suspected of harboring the greatest insect infestations. Disperse in all locations contacting as many insects as possible. Keep area closed for 15 minutes. Open and ventilate the treated area before reoccupying.

For treatment of void areas such as attics, false ceilings and crawl spaces, calculate the volume of the void and treat at a rate of 5 – 10 seconds per 1,000 ft.<sup>3</sup>

**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 before use. Also treat other areas where bed bugs may be harboring such as box springs, behind headboards, furniture, wall hanging, base boards, crown moldings, and wall voids. Do not use in patient rooms in hospitals and nursing homes for treatment of bed bugs.

**CARPET BEETLES (IN RESIDENCES):** Hold product 36" above floor and direct spray toward floor and lower walls treating at a rate of 5 – 10 seconds per 100 ft.<sup>2</sup> Also apply as a Crack & Crevice treatment to cracks and crevices near the source of the infestation.

**CLOTHES MOTHS:** Locate source of infestation. Apply as a Crack & Crevice treatment to nearby cracks and crevices and perform a space treatment of the infested area at a rate of 5 – 10 seconds per 1,000 ft.<sup>3</sup>

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 at least 18" from garment. Put treated articles in a darkened closet or other darkened storage such as cedar chests, storage drawers or sealable plastic fabric bags. For best protection, clean and treat inside of closets or storage areas by treating 1 second per 10 ft.<sup>2</sup> before putting treated materials away. Repeat treatment every 6 months or as needed. Dry clean treated clothes before wearing.

**CARPET BEETLES, CIGARETTE BEETLES, CONFUSED FLOUR BEETLES, DRUG STORE BEETLES, GRAIN MITES, GRANARY WEEVILS, RED FLOUR BEETLES, RICE WEEVILS AND SAW-TOOTHED GRAIN BEETLES (FOR EXPOSED ADULT AND LARVAL STAGES):** Apply as a Crack & Crevice treatment into cracks and crevices of pantries, cabinets, food processing and handling equipment and other places where insects harbor or as a space treatment at a rate of 5 – 10 seconds per 1,000 ft.<sup>3</sup> Also apply around cartons, containers and other areas where these insects tend to congregate. Contact as many insects as possible. Repeat treatment weekly or as insects appear. Infested stored products should be fumigated or treated by other effective methods using an approved product intended for this purpose.

**ANGOUMOIS GRAIN MOTHS, CHOCOLATE MOTHS, INDIAN MEAL MOTHS, MEDITERRANEAN FLOUR MOTHS (FOR EXPOSED ADULT AND LARVAL STAGES):** Apply as a space treatment at a rate of 5 – 10 seconds for each 1,000 ft.<sup>3</sup> Close all doors and windows. Direct into all parts of room, especially around stored product containers, pallets and darkened areas. Keep area closed for 15 minutes following treatment. Open and ventilate before reoccupying. Repeat treatment weekly if necessary. Infested stored products should be fumigated or treated by other effective methods using an approved product intended for this purpose.

**FLEAS IN BUILDINGS:** Hold product 36" above floor and direct spray toward floor and lower walls treating at a rate of 5 – 10 seconds per 100 ft.<sup>2</sup> Make sure that all floor, sofa and chair surfaces are contacted. Keep area closed for 15 minutes. Open and ventilate before reoccupying. Repeat treatment after 7 days if necessary.

**TICKS:** Holding container 36" above the floor, direct spray toward pet beds and resting quarters treating at a rate of 5 – 10 seconds per 100 ft.<sup>2</sup> Also apply as a Crack & Crevice treatment into adjacent cracks and crevices such as behind baseboards and edges of carpet and floor covers. Also treat higher cracks such as upper door jams and window framing, behind pictures and other areas where females may crawl to lay eggs.

**OUTDOOR TREATMENTS**

**GROUND APPLICATION (FLIES, GNATS AND MOSQUITOES):** Treat open areas near buildings and in campgrounds. Apply at a rate of 5 – 15 seconds per 1,000 ft.<sup>2</sup> Apply in wide swaths across area to be treated. Allow treatment to penetrate dense foliage. Best results are obtained when wind speed is 5 MPH or less.

**FLIES, CLUSTER FLIES, CLOVER MITES, MUD DAUBERS AND WASPS:** Apply mist directly on insects and their nests from approximately 18". Contacted insects will fly away from fog. Applications should be made in late evening when insects are at rest. Disperse into hiding and breeding places 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 area away from heat or open flame.

**PESTICIDE DISPOSAL:** Waste resulting from use of this product may be disposed of on site in accordance with label directions or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Do not puncture or incinerate! Empty container by using the product in accordance with the label directions. Offer empty container for recycling, if available, or place in trash if allowed by state and local regulations. If container is partly full, contact your local solid waste agency or call 1-800-CLEANUP for disposal instructions.

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



**A Prescription Treatment® brand insecticide from:**  
Whitmire Micro-Gen Research Laboratories, Inc.  
3568 Tree Court Industrial Blvd.  
St. Louis MO 63122-6682  
[www.wmmg.com](http://www.wmmg.com)  
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