



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

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

August 14, 2008

Ms. Dana M. Thomas,  
Manager, Product Registrations  
Whitmire Micro-Gen Research Laboratories, Inc.  
3568 Tree Court Industrial Boulevard  
St. Louis, MO 63122-6682

**Subject: Label Amendment, Addition of Public Health Pests  
Whitmire TC 256 PC, EPA Reg. No. 499-516  
Your Submission Dated March 17, 2007**

Dear Ms. Thomas:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable with the following provision(s):

Efficacy Review comment(s):

1. Based on the submitted efficacy (product performance) studies, the subject public health pests and dilution rates are acceptable and can be added to the label.<sup>1</sup>

First Aid Statement comment(s):

2. You should replace the last statement in the First Aid Statement (table) with: "**For additional information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), you may call 1-800-225-3320 twenty-four (24) hours per day, seven (7) days per week.**"

Precautionary Statements, Hazards to Humans and Domestic Animals subsection comment(s):

3. You should replace the 3<sup>rd</sup> sentence with: "Wash hands thoroughly with plenty of soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet."

Directions for Use, INDOOR USE section comment(s):

4. In the "**TICKS:**" subsection, you should replace the 5<sup>th</sup> sentence with: "Do not treat companion animals, such as dogs, cats, puppies or kittens, with this product."

Directions for Use, USE IN AND AROUND LIVESTOCK HOUSING section comment(s):

5. You should revise the "**FOR TREATMENT OF ANIMALS:**" subsection title to read: "**FOR TREATMENT OF DOMESTIC ANIMALS:**"
6. You should replace the existing 5<sup>th</sup> sentence in this subsection with: "Do not treat companion animals, such as dogs, cats, puppies or kittens, with this product."

<sup>1</sup> For more detailed information, please refer to the efficacy review completed for this product.

Storage and Disposal section comment(s):

- 7. Insert the following text at the beginning of the "**CONTAINER DISPOSAL:**" subsection, immediately following the subsection title as follows: "Nonrefillable container. Do not reuse or refill this container!"

Whitmire Micro-Gen Research Laboratories, Inc. 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.

A copy of your label stamped "Accepted with Comments" is enclosed for your records. Please submit two (2) copies of the final printed labeling, incorporating the above changes, before releasing the product for shipment. If these 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 bearing amended labeling constitutes accepting of these conditions.

If you have any questions about this label review, please contact Mr. Carmen J. Rodia, Jr. at (703) 306-0327 or via e-mail at [Rodia.Carmen@epa.gov](mailto:Rodia.Carmen@epa.gov).

Sincerely yours,



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

*Enclosure: Copy of label stamped "Accepted with Comments"*  
*Copy of efficacy review, dated August 14, 2008*

# TC 256 PC Controlled Release Pyrethrins Liquid Concentrate

ALTERNATE BRAND NAME: Prescription Treatment® brand MICROCARE® 3% CS Controlled Release Pyrethrins (added via Notification 1/11/07)

**ACTIVE INGREDIENTS:**

Pyrethrins*, a botanical insecticide .....	3.0%
Piperonyl Butoxide, Technical** .....	15.0%

OTHER INGREDIENTS: .....	82.0%
TOTAL: 100.0%	

\* One Gallon Contains 0.25 lb of Pyrethrins.

\* Equivalent to 12.0% (butylcarbityl)(6-propylpiperonyl) ether and 3.0% related compounds.

## KEEP OUT OF REACH OF CHILDREN CAUTION

See complete label for First Aid, Precautionary Statements, Directions for Use and Storage and Disposal.

EPA Reg. No. 499-516 • EPA Est. No. 499-MO-1

NET CONTENTS: \_\_\_\_\_



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

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated  
August 14, 2008**  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
499-516

# TC 256 PC Controlled Release Pyrethrins Liquid Concentrate

ALTERNATE BRAND NAME: Prescription Treatment® brand MICROCARE® 3% CS Controlled Release Pyrethrins (added via Notification 1/11/07)

**KILLS ACCESSIBLE STAGES OF:** Angoumois Grain Moths, Ants (excluding Harvester Ants), Asian Lady Beetles, Bees, Boxelder Bugs, Cadelles, Carpet Beetles, Carpenter Ants, Carpenter Bees, Centipedes, Cigarette Beetles, Clover Mites, Cockroaches, Confused Flour Beetles, Crickets, Dermestid Beetles, Dried Fruit Beetles, Drugstore Beetles, Firebrats, Fleas, Flies, Fungus Gnats, Fungus Gnat Larvae, Gnats, Grain Mites, Indianmeal Moths, Mealworms, Mealybugs, Mediterranean Flour Moths, Millipedes, Mosquitoes, Moths, Red Flour Beetles, Sawtoothed Grain Beetles, Scorpions, Silverfish, Sowbugs, Spiders, Ticks, Trogoderma, Wasps, Weevils (Granary Weevils and Rice Weevils) and Yellowjackets

**FOR USE IN AND AROUND:** Bakeries; Beverage Plants; Calf Hutches; Canneries; Dairies; Flour Mills; Federally Inspected Meat and Poultry Plants; Food Handling Establishments; Food Processing Plants; Food Storage Areas; Grain Mills; Hog Operations; Homes; Horse Barns; Hospitals and Nursing Homes (except patient rooms while occupied); Hotels; Industrial Installations; Kennels; Landscapes; Loafing Sheds; Meat Packing Plants; Milk Rooms; Milking Parlors; Motels; Office Buildings; Poultry Operations, Residences; Restaurants; Schools; Stables; Supermarkets; Transportation Equipment [Airplanes (cargo areas only), Boats, Buses, Railcars, Ships, Trailers and Trucks]; Warehouses and Zoos

**ACTIVE INGREDIENTS:**

Pyrethrins\*, a botanical insecticide ..... 3.0%  
Piperonyl Butoxide, Technical\*\* ..... 15.0%

**OTHER INGREDIENTS:** ..... 82.0%  
TOTAL: 100.0%

\* One Gallon contains 0.25 lb of Pyrethrins.

\*\*Equivalent to 12.0% (butylcarbityl)(6-propylpiperonyl) ether and 3.0% related compounds.

## 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. You may also contact 1-800-225-3320 for emergency medical treatment information.

EPA Reg. No. 499-516 • EPA Est. No. 499-MO-1

### 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 and before eating, drinking, chewing gum or using tobacco.

#### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not contaminate bodies of water when disposing of equipment rinsate or washwaters.

**TERRESTRIAL USES:** Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift from treated areas may be hazardous to organisms in adjacent aquatic sites. Do not contaminate water when disposing of equipment washwaters.

#### PHYSICAL OR CHEMICAL HAZARDS

Do not spray where electrical short circuits might result, such as wall outlets, conduits, motors, switches, etc. Do not spray directly into any electronic equipment, such as radios, televisions, computers, telephones, etc.

**DIRECTIONS FOR USE**

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

**USE RESTRICTIONS**

- Remove pets, birds and cover fish aquariums before spraying.
- Keep children and pets off treated areas until spray has dried.
- In the home, food processing surfaces and exposed utensils in the treatment area must be covered prior to application or washed thoroughly before use.
- In hospitals and nursing homes, do not use in patient rooms while occupied.
- In schools, do not apply to classrooms when in use.
- Ventilate rooms for 2 hr after treatment before reoccupying.

**GENERAL INFORMATION****HOW TO MIX**

Shake container well. Fill spray tank half full with water. Add the appropriate amount of concentrate according to the dilution table. Add remaining water to spray tank and mix well. Agitate material while using. Use 50 mesh screen in sprayer.

**APPLICATION INSTRUCTIONS**

**HOSE-END SPRAYERS:** Add water to the selected mark for the number of diluted gallons desired. Add the amount of product selected from the dilution instructions to obtain the desired dilution. Shake sprayer to disperse the product and shake occasionally during use to maintain dispersion.

**COMPRESSED AIR SPRAYERS:** For surface applications, apply as a coarse, wet spray. Apply at the rate of 1 gal diluted product per 1,000 ft<sup>2</sup> of surface. For Crack & Crevice® applications, make 1 second injections every 12". In long running cracks, move injector tip at the rate of 1 ft per second.

**VOID / CRACK & CREVICE APPLICATION:** To treat insects harbored in voids and in cracks and crevices, use equipment designed for void applications. Follow the manufacturer's recommendations for proper equipment set-up and operating pressures. Place the tip of the applicator at or into the crack or crevice to be treated. Apply product in short bursts while keeping the tip in position. Allow the air stream to push insecticide deep into voids. Apply in such a manner to limit dripping and run-off on structural surfaces and plants. Ventilate thoroughly before occupants are allowed to reenter.

**DILUTION RATES**

**CLEAN OUT:** 4 – 5 fl oz product per gallon of water.

**MAINTENANCE:** 2 – 3 fl oz product per gallon of water.

**OUTDOOR USE:** 1 – 2 fl oz product per gallon of water.

**DILUTION RATES FOR INDOOR USE**

<u>Amount of Product</u>	<u>% Pyrethrins to Gallon</u>
5 fl oz	0.10%
4 fl oz	0.08%
3 fl oz	0.06%
2 fl oz	0.04%
1 fl oz	0.02%

**CRAWLING INSECTS AND SPIDERS:** Make spot treatment and/or Crack & Crevice injections into hiding places such as cracks and crevices, moist areas, openings around pipes and sinks, under refrigerators and manholes. Treat floors, walls, under pallets, behind shelves and drawers. Apply directly on insects in these locations where possible.

**PERIDOMESTIC COCKROACHES:** Using the 0.10% rate, make spot treatment and/or Crack & Crevice injections into hiding places such as cracks and crevices, moist areas, openings around pipes and sinks, under refrigerators and manholes. Treat floors, walls, under pallets, behind shelves and drawers. Apply directly on insects in these locations where possible.

**ANTS (excluding Harvester Ants):** Treat trails, nests and points of entry around doors, bookcases and storage areas. Apply directly on insects in these locations where possible.

**CARPENTER ANTS:** Locate source of infestation. Inject 5 – 10 seconds of product into insect tunnels and cavities.

**CARPET BEETLES:** Make applications on and under edge of floor coverings, under carpets and furniture and in closets or other locations where these insects are found. Entire carpets may be treated.

**TICKS:** Direct product toward pet beds and resting areas. Treat adjacent cracks and crevices such as behind baseboards and edges of carpet and floor coverings. Treat higher cracks such as upper door jams and window framing, behind pictures and other areas where females may crawl to lay eggs. Allow spray to thoroughly dry before allowing pets to return. Do not treat dogs or cats with this product.

**STORED PRODUCT PESTS:** Make spot and/or Crack & Crevice treatment to localized areas including shelves, cupboards, walls and floors where food products suspected of being infested are stored. Remove or cover food in the treatment area before application. This treatment is supplemental to good housekeeping, since it will have no effect on insects within packaging. Any foodstuffs infested with pests should be removed and destroyed.

**FOOD AREAS:** Do not apply directly to food. In commercial food handling facilities, cover or remove any food, utensils and food processing equipment during application. Cover all food contact surfaces during treatment or thoroughly clean before using. When using this product as a ULV treatment in food areas, do not apply while food processing is under way. Except in Federally inspected meat and poultry plants, careful Crack & Crevice application for inspection purposes is permissible at all times. Use in edible product processing areas of Federally inspected meat and poultry plants is limited to Crack & Crevice treatment only.

After space treatment in meat packing plants, bakeries, and other food processing plants, wash with an acceptable detergent solution and then rinse with potable water all equipment, benches, shelves, etc., where exposed food will be handled. Treat areas for receiving, storage, preparing, processing, packaging, edible waste storage and serving.

When using in food/feed areas of food/feed handling establishments, restaurants or other areas where food/feed is commercially prepared or processed, refer to the section entitled "Food/Feed Areas of Food Handling Establishments" for use directions. Non-food/feed areas are areas such as garbage rooms, restrooms, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling).

**FOOD/FEED AREAS OF FOOD/FEED HANDLING ESTABLISHMENTS:** Applications are permitted in food/feed areas of food/feed handling establishments as a general surface application, spot or Crack & Crevice treatment. Food/feed handling establishments are defined as places other than private residences in which exposed food/feed is held, processed, prepared or served. Food/feed areas are areas for receiving, storing, packing (canning, bottling, wrapping, boxing), preparing, edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups) of food. Serving areas where food is exposed and the facility is in operation are also considered food areas.

**FOAM APPLICATION USE DIRECTIONS:** This product can be converted to a foam and the foam used to treat structural voids to control insect and arthropod pests in walls, under slabs or in other void areas. Mix 1 part end-use dilution of product with 25 parts foaming agent. This will provide adequate coverage and expansion without significant wetting to interior wall surfaces. Verify before treatment that the foaming agent is compatible with this product.

#### OUTDOOR USE

Do not apply this product through any type of irrigation system or sprinkler systems, cold ULV foggers, thermal foggers or handheld, aerosol mister/foggers. Apply only as a surface application by backpack, hose-end sprayer, hydraulic sprayer or compressed air sprayer.

**FLYING INSECTS:** Treat outside surfaces of screens, doors, window frames or wherever insects may enter indoors. Also treat surfaces around light fixtures on porches, in garages and other places insects alight or congregate.

**MOSQUITOES, FLIES AND GNATS:** To control these pests in open areas near homes, buildings and in campgrounds, apply as a wet spray. Treat shrubbery, vegetation and other areas where these pests may rest. Shrubby and vegetation around stagnant pools, marshy areas, ponds and shorelines may be treated. Treatment of vegetation in water from land is also permitted by allowing wind to move product into vegetation, but application of this product directly to any body of water is prohibited.

**CRAWLING INSECTS AND SPIDERS:** For treatment of localized infestations of these insects in outdoor areas which are landscaped, planted, mulched or unmaintained, treat infested areas. For ants, wet hills and runways. Repeat applications as infestation warrants and as reinfestations occur. For ants and spiders, apply product to cracks and crevices where insects may enter premises or harbor. Areas to be treated include, but are not limited to, weep holes, under siding, wall voids, soffits, eaves around attic vents, cracks and crevices, openings around windows, doors and pipes. Treatment of infested fences and tree holes is permitted.

**PERIDOMESTIC COCKROACHES:** Using the 0.10% rate, make spot treatment and/or Crack & Crevice injections into hiding places such as cracks and crevices, moist areas, openings around pipes and sinks, under refrigerators and manholes. Treat floors, walls, under pallets, behind shelves and drawers. Apply directly on insects in these locations where possible.

**STRUCTURAL PERIMETER TREATMENT:** To reduce infestations of buildings, treat a band of soil 6 - 10 ft wide around and adjacent to the building. Also treat the building foundation to a height of 2 - 3 ft where pests are active and may find entrance. Treat other insect entry points and harborages such as doors, windows, under siding and eaves of structure. TC 256 PC may be applied in compressed air, backpack or power spray equipment. Apply at the rate of 1 - 4 fl oz of concentrate per 1,000 ft<sup>2</sup> (see chart below). Apply in sufficient water to adequately cover the area being treated. Apply in such a manner to limit dripping and run-off on structural surfaces and plants.

## SUGGESTED MIXING RATES

Application Rate/1,000 ft <sup>2</sup> (Amount of Concentrate in fl oz)	Tank Sizes in Gallons (Amount of Concentrate in fl oz)			
	1	3	15	50
1	1	3	5	10
2	2	6	10	20
3	3	9	15	30
4	4	12	20	40

**MOSQUITOES, FLIES AND GNATS: GENERAL SURFACE SPRAY.** To control these pests in open areas near homes, buildings and in campgrounds, treat shrubbery and vegetation and other areas where these pests may rest. Structural surfaces, shrubbery and vegetation around stagnant pools, marshy areas, ponds and shorelines may be treated. Treatment of vegetation in water from land is also permitted by allowing wind to move product into vegetation, but application of this product directly to any body of water is prohibited.

**RESIDENTIAL MISTING SYSTEMS†:** Dilute 1/2 - 1 gal of product in 54 gal of water. 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. Do not apply this pesticide when people, pets or food are present. Do not use in an evaporative cooling system. Direct nozzles to spray towards the target area and away from swimming pools, water bodies or eating and cooking areas. 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 an 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 3 oz of a 0.02% pyrethrins dilution/1,000 ft<sup>2</sup>/day.

† In New York State [*Alternate Text: state name(s)*], this product may NOT be applied using residential automated [*Alternate Text: urban*] misting systems.

## USE IN AND AROUND LIVESTOCK HOUSING

**FOR FAST KNOCKDOWN OF FLYING INSECTS:** Close all windows and doors. Using a mixture of 1 - 2 fl oz of product per gallon of water, direct fog upward in all directions at the rate of 3 fl oz diluted product per 1,000 ft<sup>3</sup> of space. Ventilate the area after treatment is completed.

**To kill flies in non food animal areas such as dog kennels, hog barns, rabbit hutches, dairy areas, milkrooms, calf hutches, calving pens and parlors:** Treat normal fly resting areas such as ceilings, screens, upper corners of the area, around windows and doors, light fixtures and other surfaces known to attract flies. Apply as a coarse, wet spray using a mixture of 1.5 fl oz of product per gallon of water. Apply at a rate of 1 gal diluted product per 1,000 ft<sup>2</sup> of surface. For best results, initiate treatments at the beginning of the fly season and repeat weekly during periods of heavy fly activity.

**FOR FLEA CONTROL:** Treat animal areas such as dog kennels and runs. Apply as a coarse, wet spray using a mixture of 2 fl oz of product per gallon of water. Apply at a rate of 1 gal diluted product per 1,000 ft<sup>2</sup> of surface.

**FOR TREATMENT ON ANIMALS:** Use 2 fl oz of product per gallon of water (use 4 fl oz for quick knock-down and longer residual control) and apply as a low pressure spray. Lightly mist animals thoroughly, but do not treat to runoff. Do not spray directly toward the face or eyes. Application may be repeated daily.

Do not treat dogs with this product.

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in original container. Keep away from children. Do not store below 32°F. If exposed to temperatures below 32°F, thaw completely and mix well before using.

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

**CONTAINER DISPOSAL:** 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:

[(≤2.5 gal) Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure 2 more times.]

[(>2.5 gal) Empty remaining contents into application equipment or a mix tank. Fill the container ¼ 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 seconds. Stand the container on its 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.]

Place empty, triple rinsed container in trash or offer for recycling if available. If container is partly filled, call your local solid waste agency for disposal instructions. NEVER PLACE UNUSED PRODUCT DOWN ANY INDOOR OR OUTDOOR DRAIN!

**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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