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499-444

1/7

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
499-444

Date of Issuance:
DEC 16 1996

Term of Issuance: Conditional

Name of Pesticide Product: Whitmire
TC 164

NOTICE OF PESTICIDE:
 x Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Ms. Mary Ellen Summers
Whitmire Micro-Gen Research Laboratories, Inc.
3568 Tree Court Industrial Blvd.
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 sec. 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.
2. Make the following label changes:
 - a. Revise the EPA Registration Number to read, "EPA Reg. No. 499-444".
 - b. Align by the decimal the percentages in the ingredient statement.
 - c. Modify the second sentence of the Physical or Chemical Hazards Statement to read as follows:
Keep away from fire, sparks, and heated surfaces.

Signature of Approving Official:

RPK

Date:

DEC 16 1996

EPA Form 8570-6

CONCURRENCES

SYMBOL	SURNAME	DATE					
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3. Submit two copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 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.

ACCEPTED
with COMMENTS
In EPA Letter Dated

3/7

DEC. 16 1996

10/2/95

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

Whitmire
TC 164

499-444

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, 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, Sawtoothed 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, Hotels, Motels, Nursing Homes, Resorts, Restaurants and other Food Handling Establishments, Schools, Supermarkets, Transportation Equipment (Buses, Boats, Ships, Trains, Trucks), Utilities, Warehouses, and other Commercial and Industrial Buildings.

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

ACTIVE INGREDIENTS:

Pyrethrins	0.5%
Piperonyl Butoxide, Technical	4.0%

INERT INGREDIENTS: 95.5%

Contains petroleum distillate.

EPA Reg. No. 499-XXX

EPA Est. No. 499-MO-1

**KEEP OUT OF REACH OF CHILDREN
CAUTION
STATEMENT OF PRACTICAL TREATMENT**

IF SWALLOWED: Call a physician or poison control center. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Avoid alcohol.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

IF IN EYES: Flush with plenty of water. Call a physician if irritation persists.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

Note to Physician: May pose an aspiration pneumonia hazard.

See side panel for additional precautionary statements.

NET WEIGHT:

TC 164

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

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

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.

HOW TO USE WHITMIRE CRACK AND CREVICE® INJECTION SYSTEM: Use Whitmire TC 164 with the supplied actuator and injection tubes or other Whitmire equipment. Inject TC 164 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 one second. For light infestations move injector tip along cracks while treating at the rate of three linear feet per second. For heavy infestations move injector tip along at one linear foot per second. For wall and equipment voids calculate the void's cubic area and treat at the rate of five to ten seconds per three cubic feet. Several holes may be required in long-running voids. Repeat as necessary.

Flying Insects (Cluster Fly, Flies, Fruit Flies, Gnats, Mosquitoes, Small Flying Moths):
SPACE TREATMENT: Close all windows and doors and direct fog upward at a rate of 1 to 3 seconds per 1000 cu. ft. Disperse in all locations. Keep area closed for 15 min. Open and ventilate before reoccupying. Repeat treatment as necessary.

Ants, Booklice, Centipedes, Clover Mites, Crickets, Millipedes, Roaches, Silverfish, Sowbugs, and Spiders: Inject into cracks and crevices in all hiding places behind baseboards, sinks, cabinets, meter boxes, door frames, windows. *SPACE TREATMENT:* Open cabinets and doors in area to be treated. Turn off air conditioners and fans and close doors and windows before treating. Apply at the rate of 20 seconds per 1000 cu. ft. of space. 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. Repeat treatment as necessary.

Bed Bugs: Take bed apart and treat cracks, joints and interior of framework. Treat mattresses and box springs; especially tufts, folds, and edges. Also treat picture frames, moldings and cracks and crevices in the room. Do not use in patient rooms in hospitals and nursing homes.

Carpet Beetles: Locate source of infestation. Treat nearby cracks and crevices and perform general volumetric treatment of infested area.

Clothes Moths: Locate source of infestation. Treat nearby cracks and crevices and perform general volumetric treatment of infested area. 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 inches from garment. Treated articles should be put into 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 one second per 10 sq. ft. before putting treated materials away. Treatment should be repeated every six months or as needed. Dry clean treated clothes before wearing.

Wasps and Bees: For treatment of these pests inside structural voids, locate all insect entrances. Close all but one opening. Determine size of void. Inject 5 to 10 seconds per three cubic feet of void into remaining opening. For best results, treat at dusk or later.

Mud Dauber and Wasp Nests: Apply mist directly on insects and their nests from approximately 18 inches. 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.

Carpet Beetles, Cigarette Beetles, Confused Flour Beetles, Drug Store Beetles, Grain Mites, Granary Weevils, Red Flour Beetles, Rice Weevils, and Sawtoothed Grain Beetles (For exposed adult and larval stages): Contact as many insects as possible. Inject into cracks and crevices of pantries, cabinets, food processing and handling equipment and other places where insects harbor. Apply around cartons, and containers, and other areas where these insects tend to congregate. **SPACE TREATMENT:** Apply 20 seconds per 1000 cu. ft. of space. 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 Moth, Chocolate Moth, Indian Meal Moth, Mediterranean Flour Moth (For exposed adult and larval stages): Close all doors and windows. Direct into all parts of room, especially around stored product containers, pallets, and darkened areas. **SPACE TREATMENT:** Apply 5 to 10 seconds for each 1000 cu. ft. of space. Keep area closed for 15 minutes following treatment. Open and ventilate before reoccupying. Repeat treatment weekly or as necessary. Infested stored products should be fumigated or treated by other effective methods using an approved product intended for this purpose.

Fleas in buildings-**SPACE TREATMENT:** Hold product 36" above floor and direct toward floor and lower walls at a rate of 10 seconds per 100 sq. ft. making 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 or as necessary.

6/7

Ticks: Holding container 36" above the floor, direct TC 164 toward pet beds and resting quarters. Treat 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. Repeat treatment as necessary.

SPACE TREATMENT FOR LARGE VOID AREAS: (Attics, false ceilings, and crawl spaces.) For application with Whitmire Crack & Crevice[®] actuator, injection tubes or other Whitmire equipment.

For exposed stages of ants, beetles, centipedes, cockroaches, crickets, millipedes, silverfish, sowbugs and spiders harboring in large voids, calculate void volume and treat at a rate of 20 seconds per 1000 cu. ft. Repeat treatment as necessary.

In hospitals and nursing homes: Patients should be removed from room prior to treatment. Room should be ventilated for two hours after spraying. Do not return patients to room until after ventilation.

FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS: When applying a space treatment in food handling areas, the areas of the operation being treated should be shut down. In food processing areas, all utensils, shelving, etc., where food will be handled should be covered or removed before treatment or thoroughly washed with an effective cleaning compound followed by a potable water rinse prior to use.

OUTDOOR GROUND APPLICATION: Flies, Gnats and Mosquitoes in open areas near buildings and in campgrounds. Best results are obtained when wind speed is five (5) MPH or less. Apply at a rate of 5 to 15 seconds per thousand square feet. Apply in wide swaths across area to be treated. Allow treatment to penetrate dense foliage. Repeat treatment as necessary.

STORAGE AND DISPOSAL: Do not contaminate water, food or feed by storage or disposal.

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 or at an approved waste disposal facility.

Container Disposal: This container may be recycled in aerosol recycling centers. At present, there are only a few such centers in the country. Before offering for recycling, empty the can by using the product according to the label (DO NOT PUNCTURE!). If the recycling is not available, wrap the container and discard in the trash.

7/9

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if absorbed through skin. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling.

NOTICE TO APPLICATOR: For prolonged exposure indoors, wear a Dust/Mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C).

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

A Prescription Treatment® brand insecticide from:
Whitmire Research Laboratories, Inc.
3568 Tree Court Ind. Blvd.
St. Louis, Missouri 63122
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