

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

25 OCT 1995

Mr. Michael G. Sarli  
 Manager, Regulatory Affairs  
 Whitmire Research Laboratories  
 3568 Tree Court Industrial Blvd.  
 Saint Louis, Missouri 62122-6620

Dear Mr. Sarli,

Subject: Amendments to label for Whitmire PT 505 XLO Pyrethrum  
 Contact Insecticide (499-290)

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below. Five copies of the finished labeling must be submitted prior to releasing the product for shipment.

To the section where directions for use in food areas of food handling establishments is set forth, add the following statement: "Foods should be removed or covered during treatment."

If you have questions, please call Ann Sibold at 703 305-6502.

Sincerely,

*RPK*

Richard P. Keigwin, Jr.  
 Product Manager 10  
 Insecticide & Rodenticide Branch  
 Registration Division (7505C)

CONCURRENCES

SYMBOL	PM-10							
SURNAME	<i>A. Sibold</i>							
DATE	10/27/95							

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

25 OCT 1995

7/10/95

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

499-290

Whitmire  
PT® 505 XLO  
Pyrethrum  
Contact Insecticide

**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, Planes), Utilities, Warehouses, and other Commercial and Industrial Buildings.

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

Authorized by USDA for use in Federally inspected meat and poultry plants.

**ACTIVE INGREDIENTS:**

Pyrethrins .....	0.5%
Piperonyl Butoxide, Technical .....	1.0%
n-Octyl Bicycloheptene Dicarboximide .....	1.0%

**INERT INGREDIENTS:** ..... 97.5%

\*Equivalent to 0.8% (Butylcarbityl)(6-Propylpiperonyl) Ether and 0.2% Related Compounds

EPA Reg. No. 499-290

EPA Est. No. 499-MO-1

KEEP OUT OF REACH OF CHILDREN  
CAUTION  
STATEMENT OF PRACTICAL TREATMENT

If swallowed: Call a doctor or get medical attention. 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 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.

See side panel for additional precautionary statements.

NET WEIGHT:

Pat. Pending

PT<sup>®</sup> 505 XLO  
Pyrethrum  
Contact Insecticide

**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. 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.

**HOW TO USE WHITMIRE CRACK AND CREVICE<sup>®</sup> INJECTION SYSTEM:** Use Whitmire PT<sup>®</sup> 505 XLO with the supplied actuator and injection tubes or other Whitmire equipment. Inject PT<sup>®</sup> 505 XLO 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 all cracks and crevices in the room. Do not use in patient rooms in hospitals and nursing homes.

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Clothes Moths and Carpet Beetles: 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.

For exposed adult and larval stages of Carpet Beetles, Cigarette Beetles, Confused Flour Beetles, Drug Store Beetles, Grain Mites, Granary Weevils, Red Flour Beetles, Rice Weevils, and Sawtoothed Grain Beetles: 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: Close all doors and windows. Direct into all parts of room, especially around stored product containers, pallets, and darkened areas. 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.

Ticks: Holding container 36" above the floor, direct PT<sup>®</sup> 505 XLO 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<sup>®</sup> 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 food handling operation 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. Careful crack and crevice application for inspection purposes is permissible at all times except in USDA Federally inspected meat and poultry plants, as provided below.

*Foods should be removed or covered during treatment.*

**IN AUTHORIZED USDA FEDERALLY INSPECTED MEAT AND POULTRY PLANTS:** When using this product, apply only when processing area is not in operation. Foods should be removed or covered during treatment. After a space treatment, all food processing surfaces and equipment should be thoroughly washed with an effective cleaning compound followed by a potable water rinse before using. To prevent food product contamination, the treated area should be free of odor before the food product is placed in the area.

**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 1.5 to 2 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.

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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

**NOTICE TO APPLICATOR:** For prolonged exposure, wear a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute of Occupational Safety and Health under the provisions of 30 CFR Part 11.

**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 wastes.

**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

### LIMITATION OF LIABILITY

Manufacturer warrants that this product conforms to the chemical description on the label. Buyer assumes all risks in handling which are at variance in any way with the directions on the label. **WHITMIRE EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY. IN NO CASE SHALL WHITMIRE BE LIABLE FOR CONSEQUENTIAL, SPECIAL, INCIDENTAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. DAMAGES FROM THE USE OF THIS PRODUCT ARE EXPRESSLY LIMITED TO REPLACEMENT OF THE PRODUCT OR REFUND OF THE PURCHASE PRICE.**

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