

Reg # 499-331

PM-15

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NOV 26 1990

~~310/538645~~  
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Mr. Michael G. Sarli  
Whitmire Research Laboratories, Inc.  
3568 Tree Court Ind. Blvd.  
St. Louis, MO 63122

Dear Mr. Sarli:

Subject: Adding Directions for Lice Control as a Premise Spray  
Whitmire PT 21H Dairy and Farm Insect Fogger  
EPA Registration No. 499-331  
Your Submission Dated October 25, 1990

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended is acceptable, provided that you make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

- Incorporate all of the labeling comments/changes in our Registration Notice dated August 23, 1990.

Submit five copies of your final printed labeling before you release the product for shipment.

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

Sincerely,

George T. LaRocca  
Product Manager 15  
Insecticide-Rodenticide Branch  
Registration Division (H7505C)

enclosure

Helms 11-20-90

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(PT21Hdraft)

FRONT PANEL:

9/21/90

Whitmire

in EPA

PT<sup>®</sup> 21H Dairy and Farm  
Insect Fogger

NOV 26 1990

Recommended for Commercial Use

Under the  
Federal  
Insecticide  
Act

499-331

KILLS AND REPELS: Anguomois Grain Moths, Ants, Bed Bugs, Booklice, Carpet Beetles, Centipedes, Chocolate Moths, Cigarette Beetles, 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, Lice, Mediterranean Flour Moths, Millipedes, Mosquitoes, Mud Daubers, Red Flour Beetles, Rice Weevils, Sawtoothed Grain Beetles, Silverfish, Small Fly Moths, Sow Bugs, Spiders, Stable Flies, Ticks and Wasps.

For use in and around the non-food areas of, but not limited to, Beef Cattle Operations, Campgrounds, Catteries, Dairy Farms (including Milk House, Milk Parlor, Loafing Sheds, and Holding Lot), Food Storage Areas, Hog Operations, Homes, Horse Barns and Stables, Hospitals, Hotels, Kennels, Motels, Poultry Operations, 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.

ACTIVE INGREDIENTS:

Permethrin** . . . . .	0.50Z
Piperonyl Butoxide, Technical* . . . . .	4.00Z

INERT INGREDIENTS: . . . . . 95.50Z

\*Equivalent to 3.20 (Butylcarbityl)(6-Propylpiperonyl) Ether and 0.90 Related Compounds

\*\* (3-phenoxyphenyl) methyl (+/-) cis/trans 3-(2,2-dichloroethenyl) 2,2-dimethylcyclopropane carboxylate cis/trans ratio: Min. 35Z (+/-) cis and max. 65Z (+/-) trans.

\*\*\*Contains petroleum distillates.

EPA Reg. No. 499-GGR

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 immediately. Gastric lavage is indicated if material was taken internally. Do not induce vomiting. Vomiting may cause aspiration pneumonia.

If inhaled: Remove patient to fresh air. Apply artificial respiration if indicated.

If on skin: Remove contaminated clothing and wash affected skin areas with soap and water. Get medical attention if irritation persists.

If in eyes: Flush eyes with plenty of water. Get medical attention if irritation persists.

See side panel for additional precautionary statements.

NET WEIGHT

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Side Panel:

PT<sup>®</sup> 21H Dairy and Farm  
Insect Fogger

PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed or absorbed through skin. Do not remain in treated area and ventilate the area after treatment is completed. Avoid breathing of vapor. Avoid contact with skin, eyes, or clothing. Wash thoroughly after using and before smoking or eating. Do not contaminate water, food, or foodstuffs. Remove all pets and birds. Cover fish tanks or remove before spraying.

NOTICE TO APPLICATOR: During any general volumetric treatment, 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, birds, and other wildlife. Do not apply directly to water. Apply this product only as specified on this label.

Food Areas of Food Handling Establishments: Do not use in food areas of food handling establishments, restaurants or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed or facility is in operation. Serving areas are areas where prepared foods are served such as dining rooms but excluding areas where foods may be prepared or held.

In the home, cover all food handling surfaces and cover or remove all food and cooking utensils, or wash thoroughly after treatment.

Non-food areas are 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 (after canning or bottling).

Not for use in USDA meat and poultry plants.

PHYSICAL OR CHEMICAL HAZARDS: Contents under pressure. Do not puncture or incinerate container. Do not use or store near heat or open flame. Exposure to temperatures above 130°F may cause bursting. Do not spray directly into any electronic equipment such as radios, televisions, computers, etc.

DIRECTIONS FOR USE: It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

HOW TO USE WHITMIRE CRACK AND CREVICE INJECTION SYSTEM: Whitmire PT<sup>®</sup> 21H is for use only with the supplied actuator and injection tubes or other Whitmire equipment. Inject PT<sup>®</sup> 21H into cracks and crevices or void space where insects may be harboring, living and breeding. Place injector tip 1/2" into cracks and crevices, holes and other small openings. Release approximately one-second spray per spot. For a serious infestation, place spots approximately 12" apart. For light infestation or for preventative treatment, place spots approximately three feet apart. In long running cracks, move injector tip along the crack while spraying at the rate of one linear foot per second. For heavy infestations move injector tip along at three linear feet per second. For inaccessible closed voids calculate the voids cubic area and treat at rate of five to ten seconds per three cubic feet. Several holes may be required in long-running voids. Repeat as necessary.

Side Panel (cont.)

NON-AGRICULTURAL USES

Flying Insects: Cluster Fly, Flies, Fruit Flies, Gnats, Mosquitoes, Small Flying Moths. GENERAL VOLUMETRIC TREATMENT: Close all windows and doors and direct fog upward at a rate of 1 to 3 seconds per 1000 cu. ft. Fill room with mist. Disperse in all locations. Keep area closed for 15 min. Open and ventilate before reoccupying. Sweep up and destroy fallen insects. Repeat treatment as necessary.

Ants, Booklice, Centipedes, Clover Mites, Crickets, Millipedes, Roaches, Silverfish, Sow Bugs, and Spiders. Inject into cracks and crevices in all hiding places behind baseboards, sinks, cabinets, meter boxes, door frames, windows. General Volumetric treatment: Open cabinets and doors in area to be treated. Shut off air conditioners, fans and close doors and windows before spraying. Spray at rate of 20 seconds per 1000 cu. ft. of space. Direct spray toward area suspected of harboring the greatest insect infestations. Dispense in all locations contacting as many insects as possible. Keep area closed for 15 minutes. Open and ventilate before reoccupying. Sweep up dead insects and destroy. Repeat treatment as necessary.

Bed Bugs: Spray mattresses, particularly around ruffs and seam. Take bed apart and spray into all joints. Treat baseboards into cracks around moldings, molding surfaces and floors. Repeat treatment as necessary.

Lice and lice eggs Not For Use on Humans For Lice Control: Spray on an inconspicuous area to test for possible staining or discoloration. Inspect after drying, then spray entire area to be treated. Hold container upright with nozzle away from you. Depress valve and spray from a distance of 18 inches. Spray at the rate of 1 second of spray per each square foot. Thoroughly spray all mattresses, furniture or similar objects that cannot be laundered or dry cleaned. Do not use article until spray is dry. Repeat treatment as necessary.

Mud Dauber and Wasp Nests: Spray mist directly on insects and their nests from approximately 2 ft. distance. Contacted insects will fly away from fog. Applications should be made in late evening when insects are at rest. Spray into hiding and breeding places contacting as many insects as possible.

Carpet Beetles, Cigarette Beetles, Confused Flour Beetles, Drug Store Beetles, Grain Mites in exposed adult and larvae stages, Granary Weevils, Red Flour Beetles, Rice Weevils, and Sawtoothed Grain Beetles. Contact as many insects as possible. Inject into cracks and crevices, processing and handling equipment, around cartons, and containers, and other areas where these insects tend to congregate. General Volumetric Treatment: Spray 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.

Anguomois Grain Moth, Chocolate Moth, Indian Meal Moth, Mediterranean Flour Moth: Close all doors and windows. Direct spray into all parts of room especially around stored product containers, pallets, and darkened areas. Spray 5 to 10 seconds for each 1000 cu. ft. of space. Keep area closed for 15 minutes following treatment. Open and ventilate before reoccupying. Sweep up and destroy fallen insects. 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.

Side Panel (cont. )

Fleas in buildings-General Volumetric Treatment: Hold aerosol 36" above floor and direct spray 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 (Adults and Larvae): Remove and thoroughly clean or destroy pet bedding. Spray pet sleeping quarters, bed, entire floor and floor covering with special attention to cracks and crevices around baseboards, and window and door frames. Infested upholstered furniture may also be treated with this product.

VOLUMETRIC TREATMENT FOR INACCESSIBLE VOIDS: (Attics, false ceilings, wall and equipment voids.) For spray application with Whitmire Crack & Crevice injection equipment.

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

OUTDOOR GROUND APPLICATION: Flies, Gnats and Mosquitoes in open areas near building and in campgrounds. Best results are obtained when wind speed is five (5) MPH or less. Apply at a rate of 60-80 seconds per acre. Spray in wide swaths across area to be treated. Allow spray drift to penetrate dense foliage. Repeat treatment as necessary.

To control Fleas, Ticks and Lice on Dogs. Starting at the tail, stroke against the lay of the hair, spraying the parted fur in short bursts, directly behind the hand to insure penetrating the coat. Repeat application weekly if necessary to control infestations. NOTE: Not recommended for use on puppies less than four weeks old.

KENNELS: For open construction (fences only) spray toward fly resting sites. Treatment should be performed at dusk when flies are at rest. For closed kennels (boarded or enclosed) close all doors and windows, turn off air conditioner, spray at rate of 1 to 2 seconds per 1,000 cubic feet. (For 8 & 15 lb. unit 1/2 to 1 second.)

CATTERIES: For open construction (fences only) spray toward fly resting sites. Treatment should be performed at dusk when flies are at rest. For closed catteries (boarded or enclosed) remove animals, close all doors and windows, turn off air conditioner, spray at rate of 1 to 2 seconds per 1,000 cubic feet. (For 8 & 15 lb. unit 1/2 to 1 second.) Ventilate area or structure thoroughly before returning animals.

AGRICULTURAL USES: (For control of Deer Flies, Face Flies, Fleas, Gnats, Horn Flies, House Flies, Lice, Mosquitoes, Small Flying Moths, Stable Flies, Ticks.)

DAIRY FARM USE: Milking Parlor and Milk Room - Close all windows and doors. Direct fog upward and in all directions at a rate of 1 to 3 seconds per 1000 cu. ft. (For 8 & 15 lb. size 1/2 to 1 1/2 seconds per 1000 cu. ft.). Keep room closed for 15 minutes after treatment. Open and ventilate before reoccupying. Cover milking utensils and milk to prevent contamination from spray and falling dead insects. ANIMAL USE (Do not spray sick animals.) - From approximately 2 foot distance, thoroughly spray entire animal as it is being released to pasture. Do not spray directly toward animal's eyes. Spot treat withers, shoulders and back where saliva accumulates from head tossing. Use 2 to 4 seconds per animal.

Side Panel (cont.):

STANCHION BARN USE - Walk behind animals and direct spray over backs allowing 1 second per animal. For most effective results, apply each morning.

BEEF CATTLE OPERATIONS: In barns, close all windows and doors. Spray at the rate of 1 to 2 seconds per 1000 cu. ft. (For 8 & 15 lb. size: 1/2 to 1 seconds per 1000 cu. ft.). Keep area closed for 15 minutes following application. Ventilate area after treatment is complete. If area cannot be closed, double dosage. For animal application thoroughly spray entire animal as it is being released to pasture. Use 2 to 4 seconds of spray per animal. Do not spray directly toward animal's face or eyes. See Animal Use Directions. Repeat application daily or as necessary.

HORSE BARN AND STABLES: Close all windows and doors. Spray at a rate of 1 to 2 seconds per 1000 cu. ft. (For 8 & 15 lb. sizes: 1/2 to 1 seconds per 1000 cu. ft.) Keep area closed for 15 minutes following application. Ventilate area after treatment is complete. If area cannot be closed, double the dosage. For animal application, lightly mist over the backs of horses and ponies from a distance of at least two feet. Use 2 to 4 seconds of spray per animal. Do not spray directly towards the face or eyes. Do not spray on sick animals. Repeat application daily or as necessary.

POULTRY OPERATIONS: Use only in empty poultry houses (when birds are not present). Close all windows and doors. Spray at the rate of 1 to 2 seconds per 1000 cu. ft. (For 8 & 15 lb. sizes: 1/2 to 1 seconds.) Keep area closed for 15 minutes following application. Ventilate area after treatment is complete. If area cannot be closed, double the dosage. Treat daily or as necessary.

HOG OPERATIONS: In hog houses, close all windows and doors. Spray at the rate of 1 to 2 seconds per 1000 cu. ft. Keep area closed for 15 minutes after application. Ventilate the area after treatment is completed. If area cannot be closed, double the dosage. For animal application, direct spray over backs and spray for 1 to 2 seconds per hog (For 8 & 15 lb. sizes: 1/2 to 1 seconds per hog.) Do not spray directly toward animal's face or eyes. Do not spray on sick animals. Repeat application daily or as necessary. Do not shop animals for slaughter within 5 days of last treatment.

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: Pesticide that cannot be used according to label instructions must be disposed of according to applicable Federal, state and local procedures.

Container Disposal: Replace cap and discard empty container in trash, sanitary landfill, or by other approved state and local procedures. Do not incinerate or puncture.