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67517-YD

9/22/98

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

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18/2

September 22, 1998

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Mr. Joseph E. Dyer
PM Resources, Inc.
13001 St. Charles Rock Road
Bridgeton, MO 63044

Subject: Your submission dated August 24, 1998
10% Permethrin Oil Base
EPA Reg. No. 67517-80
Amendment of label to change dilution rates and incorporate EPA requested
comments

Dear Mr. Dyer:

The amendment referred to above, submitted in connection with registration under FIFRA sec. 3(c)(7)(A), is acceptable provided you:

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

Our letter to you dated July 30, 1998 stated that "the source product EPA registration number 10182-17 is 91% instead of 92%. Please adjust the active ingredient quantity when using the source product". This statement is no longer correct. This source product is now 95.2%. Please submit corrected Confidential Statement of Formulas (CSF) with the source products EPA Reg. No's 4816-559 and 279-3013 as "basic formulations" (box "A") and source product EPA Reg. No. 10182-17 as "alternate formulation"(box "A"). The amount, % by weight, and upper and lower limits (boxes 13 and 14) will need to be revised accordingly.

Please submit two (2) copies of your final printed labeling before you release 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 the amended labeling constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

2/9

If you have any questions regarding this action, please contact Tracy Keigwin of my team at (703) 305-6605.

Sincerely,

Macy Keigwin

for

George T. LaRocca
Team 3

Insecticide Branch

Registration Division (7505C)

Enclosure

3/9

10% PERMETHRIN OIL BASE

AUTHORIZED BY U.S.D.A. FOR USE IN THE INEDIBLE PRODUCT AREAS OF OFFICIAL ESTABLISHMENTS OPERATING UNDER THE FEDERAL MEAT, POULTRY, SHELL EGG GRADING, AND EGG PRODUCTS INSPECTION PROGRAMS

A long lasting livestock and premise spray that provides knockdown, broad spectrum insecticidal effectiveness, and excellent residual activity for up to 28 days.

Kills Lessor Meal Worms (Darkling Beetle), Poultry Lice, Fowl Mites, Bed Bugs, Horn Flies, House Flies, Fleas, Ticks, and numerous other insects as listed on enclosed insert.

For use outdoors and in homes and non-food/feed areas of poultry houses, dairies, cattle barns, milking parlors, horse barns, swine houses, commercial buildings, institutions, warehouses, theatres, office buildings, schools, motels, hotels, restaurants, food/feed processing establishments, hospitals, and kennels.

FOR AGRICULTURAL, COMMERCIAL/INDUSTRIAL USE ONLY

ACTIVE INGREDIENT:

Permethrin: 10.0%

OTHER INGREDIENTS*: 90.0%
TOTAL 100.0%

Cis-trans ratio: Max. 65% (±) trans and Min. 35% (±) cis.

*Contains Petroleum Distillate

Contains 0.75 lbs. of Permethrin per gallon

PROTECT FROM FREEZING

**KEEP OUT OF REACH OF CHILDREN
CAUTION
SEE SIDE/BACK PANEL FOR
ADDITIONAL PRECAUTIONARY STATEMENTS**

Manufactured by:
PM RESOURCES, INC.
13001 St. Charles Rock Road
Bridgeton, MO. 63044

EPA Reg. No. 67517-80

EPA Est. No. 67517-MO-1

FOR INFORMATION ON THIS PRODUCT (INCLUDING HEALTH CONCERNS, MEDICAL COMMENTS, EMERGENCIES OR PESTICIDE INCIDENTS) CALL THE NATIONAL PESTICIDE TELECOMMUNICATIONS NETWORK AT 1-800-858-7378.

PAGE 1 OF 7
08/21/98
PMR80LAA

ACCEPTED
MEDICAL COMMENTS
in EPA Letter Dated
SEP 22 1998

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 67517-80

4/9

READ ENTIRE LABEL BEFORE EACH USE

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

HAZARDS TO HUMANS:

Harmful if swallowed or absorbed through the skin. Avoid contact with eyes, skin or clothing. Wash thoroughly after handling. Remove and wash clothing before reuse. Avoid contamination of food and feed. A respiratory protection device is recommended for general protection when applying in a non-ventilated space indoors as a space spray or fogger. Use one of the following Mine Safety and Health Administration (MSHA)/National Institute for Occupational Safety and Health (NIOSH) air purifying respirator types with approval number prefixes such as TC-23C, TC21C, TC19C, TC13F and TC14G.

HAZARDS TO DOMESTIC ANIMALS:

USE ONLY ON DOGS. DO NOT USE ON CATS

Harmful if swallowed. Avoid contact with eyes or mucous membranes. Consult a veterinarian before using this product on debilitated, aged, pregnant or nursing animals. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately. Certain medications can interact with pesticides. Consult a veterinarian before using on mediated animals. **DO NOT USE ON PUPPIES UNDER TWELVE WEEKS OF AGE.**

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in treated areas. Do not contaminate water when disposing of equipment washwater/dip solution. This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds while bees are actively visiting the treatment area.

PHYSICAL HAZARDS

Do not use or store near heat of open flame. Do not use this product in or on electrical equipment due to the possibility of shock hazard.

FIRST AID

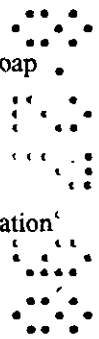
IF SWALLOWED: Contact a Physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

IF INHALED: Remove person to fresh air. Apply artificial respiration if indicated.

IF ON SKIN: Remove contaminated clothing and wash affected areas with plenty of soap and water.

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

NOTE TO PHYSICIAN: This product contains petroleum solvents. Vomiting may cause aspiration pneumonia.



5/9

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Keep container sealed when not in use **PROTECT FROM FREEZING**. Shake or stir product thoroughly before using or reusing diluted emulsion.

To prepare dilutions, the concentrate should first be stirred or agitated well. Add the required amount of concentrate to water and blend thoroughly. Do not hold dilutions for more than 24 hours.

For maximum effectiveness, a combination of localized application and space treatment is recommended. Remove pets, birds and cover fish aquariums before spraying.

For initial clean up of severe insect infestation, dilute at a rate of (1) part concentrate in 19 parts water (6.7 fluid ounces per gallon) (0.5%).

For normal infestations dilute (1) part concentration in 100 parts water (1.33 ounces per gallon) (8 teaspoons per gallon) (0.1%)

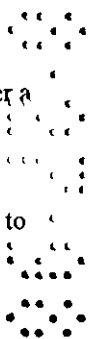
INDOOR USE AREAS: Do not use in food/feed area of food/feed handling establishments, restaurants or other areas where food/feed is commercially prepared or processed. Do not use in serving areas while food is exposed or facility is in operation. Serving areas are areas where prepared food are served such as dining rooms but excluding areas where foods may be prepared or held. In the home, all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Exposed food/feed should be covered or removed.

NON FOOD/FEEED AREAS: Include (but not limited to) 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): BAKERIES, BEVERAGE PLANTS, CANNERIES, FLOUR MILLS, FOOD PROCESSING PLANTS, GRAIN ELEVATORS, GRANARIES, HOSPITALS (non-occupied areas), HOTELS, MOTELS, INDUSTRIAL INSTALLATIONS, KENNELS, MEAT PACKING PLANTS, HOMES, OFFICE BUILDINGS, RAILROAD CARS, RESTAURANTS, SCHOOLS, SHIPS' HOLDS, SUPERMARKETS, TRUCK TRAILERS, WAREHOUSES.

Do not apply to classrooms when in use. Do not apply this product in occupied patient rooms or in any rooms while occupied by the elderly or infirm.

Use in Federally Inspected Meat and Poultry Plants: Acceptable as a residual pesticide for use in the inedible product areas of official establishments operating under the Federal meat, poultry, shell egg grading, and egg products inspection programs. This product must be used in a manner that precludes entry into edible product areas through open windows, ventilating systems, etc.

AS A SURFACE SPRAY TO CONTROL: Cockroaches, Waterbugs, Palmetto Bugs, Ants, Silverfish, Beetles, Mites, Weevils, Fireboats, Spiders, Crickets, Millipedes, Centipedes, Sowbugs, Pillbugs, Clover Mites, Cheese Mites, Granary Weevils, Rice Weevils, Confused Flour Beetles, Sawtoothed Grain Beetles, Red Rust Flour Beetles, Sawtoothed Grain Beetles, Cigarette Beetles, Drugstore Beetles, Meal Worms, Grain Mites and Cadelle. Use a good sprayer and adjust to deliver a coarse wet spray. Direct the spray into hiding places, cracks and crevices, under pallets, around containers of stored foods (metal or glass), around the base of machinery, and behind shelves and drawers. Spray bookcases for silverfish. Spray ant trails, nests and points of entry. If surface application only is to be used, spray floors, walls and other surfaces applying at a rate of (1) gallon to 750 square feet of surface.



6/9

DIRECTIONS FOR USE (CONTINUED)

TO CONTROL: Fleas and Ticks (adult and larvae), thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices, along and behind baseboards, moldings, window and door frames, and localized areas of floor and floor covering. Fresh bedding should be placed in animal quarters following treatment. Apply with mechanical or compressed air equipment (non-thermal) adjusted to deliver a fine mist. Close doors and windows and shut off ventilating system. For rapid control of house flies, fruit flies, gnats, mosquitoes, skipper flies, wasps, hornets, bees, black flies, angoumois grain moths and tobacco moths, direct spray at an upward angle distributing it uniformly through the entire areas at a rate of (1) ounces per 1000 cubic feet of space. Keep area closed for at least 10 minutes. Vacate areas after treatment and ventilate and sweep up dead insects before occupying.

For rapid kill of exposed or accessible stages of other insects named on this label: Apply using conventional mechanical or compressed air equipment (non-thermal), following directions for space spraying. Apply the above dilutions at a rate of (1) ounce per 1000 cubic feet of space.

OUTDOOR USE AREAS

APPLICATION SITES: CORRALS, FEED LOTS, GARDENS, PARKS, HOMES, DRIVE-IN THEATRES, DRIVE-IN RESTAURANTS, GOLF COURSES, PLAYGROUNDS, RECREATIONAL AREAS, SWINE LOTS, URBAN AREAS, ZOOS.

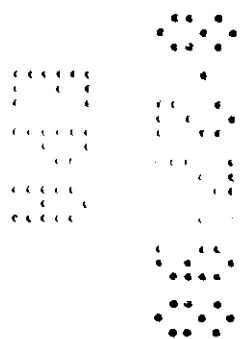
FOR TEMPORARY REDUCTION OF ANNOYANCE FLIES, GNATS, MOSQUITOES
In drive-in restaurants, drive-in theaters, golf course, urban areas, parks, playgrounds and other recreational areas. Dilute (1) part concentrate in 40 parts water (3.2 fluid ounces per gallon of water) (0.25%). Direct the spray into tall grass, shrubbery and around lawns, where these pests may hover or rest. Apply while the air is still and avoid wetting foliage. Application should be made prior to occupancy. Repeat as necessary.

In the treatment of corrals, feedlots, swine lots and zoos, cover any exposed water, drinking fountains and animal feed before application. Fill the area with mist and direct the spray into tall grass, shrubbery and around lawns where the above pests may hover or rest. Apply while the air is still and avoid wetting foliage. In zoos, prevent exposure of reptiles to the product. Repeat as necessary. Not to be used within 100 feet (30 meters) of lakes and streams.

ANIMALS AND ANIMAL PREMISE USE

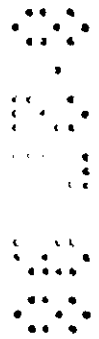
APPLICATION SITES: CATTLE BARNS, SWINE HOUSES, MILK ROOMS, KENNELS, POULTRY HOUSES, HORSE BARNS, DAIRIES, MILKING PARLORS, FEED LOTS, STABLES, PADDOCKS.

For initial clean up of severe insect infestation, dilute at a rate of (1) part concentrate in 19 parts water (6.7 ounces per gallon) (0.5%). For normal infestations dilute (1) part concentrate in 100 parts water (1.33 ounces per gallon) (8 teaspoons per gallon) (0.1%).



REFERENCE CHART

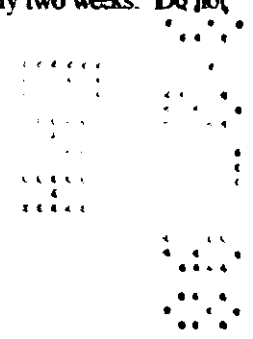
PESTS	DILUTIONS (Mix Well)	HOW TO APPLY
PESTS ON FARM PREMISES (Barns, Dairies, Loafing Sheds, Milking Parlors, Feedlots, Stables, Paddocks, Poultry and Livestock Housing).		
Horse Flies, Stable Flies, lesser Houseflies and other manure breeding flies, Fleas, Lice, Mites, Ticks, including Deer Tick (carrier of Lyme disease). Aids in control of Cockroaches, Mosquitoes and Spiders.	Dilute 8 oz. in 6.25 gal. water Dilute 1 pt. in 12½ gal. water Dilute 1 qt. in 25 gal. water	Spray walls and surfaces thoroughly, but do not allow run-off to occur, about 1 gallon per 750-1000 sq. ft. Treat no more often than once every 2 weeks. Do not contaminate animal's feed or water by spray. Do not use in milk rooms. Animals should be removed from the area prior to spraying.
PESTS ON DOG PREMISES (Kennels, Dog Houses, Runs and Yards)		
Fleas, Flies, Ticks, Lice and Mange Mites (adult and larvae)	Dilute 8 oz. in 6.25 gal. water Dilute 1 pt. in 12½ gal. water Dilute 1 qt. in 25 gal. water	Thoroughly wet pest breeding or resting areas, but do not allow run-off to occur. Most efficient pest control is accomplished when heavy pressure and good contact is achieved. Timing and frequency of applications should be based on pest populations reaching nuisance levels, but accompanying manure removal and sanitation practices should precede sprays. Do not spray feed, food or water. Repeat as needed but not more often than once every two weeks.
PESTS IN CATTLE BARN, HORSE BARN, SWINE HOUSES, KENNELS, MILKING PARLORS, MILK ROOMS, DAIRIES, POULTRY HOUSES, FEEDLOTS STABLES AND PADDOCKS		
Flies, Mosquitoes and Gnats	Dilute 8 oz. in 6.25 gal. water Dilute 1 pt. in 12½ gal. water Dilute 1 qt. in 25 gal. water	FOG OR FINE MIST: Apply, directing the spray toward the ceiling and upper corners until the area is filled with mist. Use about 2 ounces per 1000 cubic feet of space. For best results, close doors and windows before spraying and keep closed for ten to fifteen minutes. Vacate the treated area and ventilate before reoccupying. Repeat treatment as necessary.



REFERENCE CHART (CONTINUED)

PESTS	DILUTIONS (Mix Well)	HOW TO APPLY
PESTS ON LARGE ANIMALS (Diary or Beef Cattle, Horses, Sheep and Goats)		
Face Flies, Horn Flies, Ear Ticks	Dilute 8 oz. in 5 gal. oil Dilute 1 pt. in 10 gal. oil Dilute 1 qt. in 20 gal. oil	BACK RUBBER: Recharge backrubber as needed. Spray lactating dairy cows only after milking is completed.
Face Flies, Horn Flies, Stableflies, Mosquitoes, Lice, Mites, Ticks, including Deer Tick (carrier of Lyme disease)	Dilute 8 oz. in 50 gal. water Dilute 1 pt. in 100 gal. water Dilute 1 qt. in 200 gal. water	Spray to thoroughly cover entire animal. For Lice or Mites, a second treatment is recommended 14-21 days later. Spray lactating dairy cows only after milking is completed.
Hornflies, Faceflies, Stableflies, Ear Ticks	Dilute 2 oz. in 1 gal. water Dilute 1 pt. in 2½ gal. water	SPOT TREATMENT-LOW PRESSURE SPRAY - Apply ½ oz. per ear or 2-4 oz. on face or 12-16 oz. along the backline.
PESTS ON SWINE AND POULTRY (Do not ship swine for slaughter within 5 days of last treatment)		
Mange Mites	Dilute 8 oz. in 25 gal. water Dilute 1 pt. in 50 gal. water Dilute 1 qt. in 100 gal. water	Spray, dip or sponge animals. Retreat after 14 days, spraying walls and floor space and bedding to kill late hatching, developing stages.
Blowflies, Flies, Mosquitoes, Hog Lice, Fleas, Ticks, including Deer Ticks (carrier of Lyme disease)	Dilute 8 oz. in 25 gal. water Dilute 1 pt. in 50 gal. water Dilute 1 qt. in 100 gal. water	Spray, dip or sponge to apply 1 pint per pig, especially around ears.
Poultry Mites, Northern Fowl Mites and Lice	Dilute 8 oz. in 12½ gal. water Dilute 1 pt. in 25 gal. water Dilute 1 qt. in 50 gal. water	Spray at the rate of ½ oz. per bird, or 1 gal. per 100 birds, with a fine mist. Spray roosts, walls and nests or cages.
PESTS ON DOGS (DO NOT USE ON PUPPIES UNDER FOUR WEEKS OF AGE)		
Fleas, Ticks, including Deer Tick (carrier of Lyme disease), Lice and Mange	Dilute 8 oz. in 12½ gal. water Dilute 1 pt. in 25 gal. water Dilute 1 qt. in 50 gal. water	Thoroughly wet the animal by dipping, sponging or spraying. Allow animal to dry in a warm place without rinsing or toweling. Gives long lasting protection against reinfestation and applications at intervals of two to three weeks. Do not reapply more often than once every two weeks.

HOSE-END SPRAYER: To control listed insects, shake well before applying. Connect nozzle to hose; remove bottle cap, insert diptube and screw bottle onto nozzle. Turn on water at the tap. When ready to treat, place finger over the hole on right side of nozzle and the liquid will mix automatically at the proper ratio. Apply to surfaces in dairies, barns, feed lots, stables, poultry houses, swine and livestock housing: to control House Flies, Stable Flies and other manure breeding flies. Also aids in control of Cockroaches, Ants, Spiders, Mosquitoes, Crickets and Face Flies. Walk and spray at the steady pace. Spray walls and surfaces thoroughly, but do not allow to run-off. Treat no more often than once every two weeks. Do not contaminate animals feed or water by spray.



9/9

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE AND SPILL PROCEDURES: Store upright at room temperature. Avoid exposure to extreme temperatures. In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc.

PESTICIDE DISPOSAL: Pesticide, spray mixture or rinse water that cannot be used according to label instructions must be disposed of at or by an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, by other procedures approved by state and local authorities.

CONTAINERS ONE GALLON AND SMALLER: Do not reuse container. Wrap container in several layers of newspaper and discard in trash.

CONTAINERS LARGER THAN ONE GALLON: Metal Containers - Triple rinse or equivalent. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers - Triple rinse or equivalent, then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, if allowed by State and local authorities, by burning. If burned, stay out of smoke. Glass Containers - Triple rinse or equivalent, then dispose of in a sanitary landfill or by other approved State and local procedures.

NOTICE OF WARRANTY

PM RESOURCES, INC., MAKES NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR OTHERWISE, EXPRESSED OR IMPLIED CONCERNING THIS PRODUCT OR ITS USES WHICH EXTEND BEYOND THE USE OF THE PRODUCT UNDER NORMAL CONDITIONS IN ACCORD WITH THE STATEMENTS MADE ON THIS LABEL.

