

Reg no 28293-128

PM-15

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

MAR 5 1990

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Mr. Barry J. Santerre
Unicorn Laboratories
1000 118th Avenue North
St. Petersburg, FL 33716

Dear Mr. Santerre:

Subject: Amendment - New Use - Hose End Spray Nozzle
Unicorn Permethrin Spray
EPA Registration No. 28293-128
Your Application Dated October 31, 1989

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 change listed below before you release the product for shipment bearing the amended labeling:

- Add a street address or P.O. Box Number to the address on the labeling.

Submit five (5) 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 yours,

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

Enclosure

51022:I:LeMaster:LR-2:KENCO:11/8/89:12/21/89:KA:VO:EK:CT

CONCURRENCES

SYMBOL	SURNAME	DATE					

**UNICORN
PERMETHRIN SPRAY**

**EMULSIFIABLE CONCENTRATE
LIVESTOCK AND PREMISE SPRAY**

ACTIVE INGREDIENT:

Permethrin (3-Phenoxyphenyl) methyl (+/-) cis,
trans-3-(2,2-dichloroethyl)-2,2-
dimethylcyclopropanecarboxylate*..... 10.0%

INERT INGREDIENTS: ** 90.0%

100.0%

* cis/trans ratio min 35% (+/-) cis and max
65% (+/-) trans

** contains petroleum distillates

RECOMMENDED FOR COMMERCIAL/AGRICULTURAL USE

KEEP OUT OF REACH OF CHILDREN

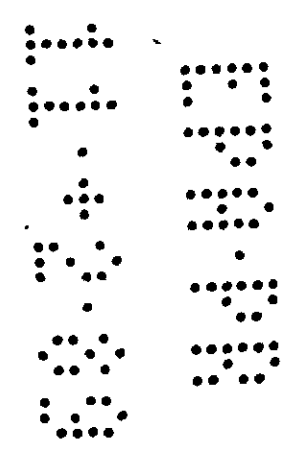
CAUTION

See Back Panel for Additional Precautions

Net Contents: 1 Pint

MANUFACTURED BY:

Unicorn Laboratories
St. Petersburg, Florida 33716



with comments

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office at
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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed, inhaled, or absorbed through skin. Avoid contact with eyes, skin or clothing. Avoid breathing spray mist. Wash thoroughly after handling and before eating, drinking, or smoking. Remove and wash clothing before reuse. Avoid contamination of food and feeds.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center at once. Do not induce vomiting unless under medical supervision.

IF IN EYES: Flush with plenty of water. If irritation persists, get medical attention.

IF ON SKIN: Remove contaminated clothing. Wash skin with soap and water.

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

ENVIRONMENTAL HAZARDS

Do not contaminate water when disposing of equipment washwaters.

PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

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

BEEF AND DAIRY CATTLE AND HORSES: For control of Horn Flies and Lice, dilute 1 pint of Permethrin to 50 gallons of water, mix well and apply as a high pressure spray directly to the animals at the rate of 1 quart per animal. For lice a second treatment in 14 days is recommended. Spray lactating dairy cows only after milking is completed.

BEEF AND DAIRY CATTLE AND HORSES: For control of Face Flies, Stable Flies, Horn Flies, Horse Flies, Black Flies, Mosquitos, Eye Gnats, Sarcoptic and Psoroptic Mange Mites, Ticks and Lice, dilute 1 pint of Permethrin to 25 gallons of water, mix well and apply as a high pressure spray to the animals at the rate of 2 quarters per animal, giving special attention to the face, legs and underline. For Lice and Sarcoptic and Psoroptic Mange Mites be sure to soak animal thoroughly and apply second treatment at 14 days. Spray lactating dairy cows only after milking is completed.

LOW PRESSURE SPRAYER: To control Horn Flies, Face Flies, Stable Flies, Horse Flies and Ear Ticks on Beef and Dairy Cattle and Horses, dilute 1 pint of Permethrin to 2-1/2 gallons of water, mix well and apply 1 - 2 ounces of spray per animal. Spot treat back, face, legs and ears.

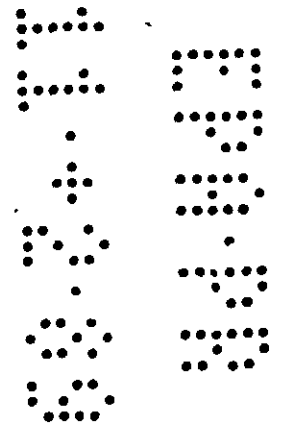
BACKRUBBER: To control Face Flies, Horn Flies, Stable Flies and Ear Ticks on Beef and Dairy Cattle, dilute 1 pint of Permethrin to 10 gallons of diesel oil and charge rubbing device.

POULTRY: To control Northern Fowl Mites and Lice, dilute 1 pint of Permethrin to 25 gallons of water and spray at the rate of 1 gallon per 100 birds.

SWINE: To control Sarcoptic and Psoroptic Mange Mites, dilute 1 pint of Permethrin in 25 gallons of water and thoroughly spray the swine, including the ears. Repeat in 14 days. Spray walls of building and change bedding. Allow 5 days between last treatment and slaughter.

PREMISE TREATMENT: Dairies, Barns, Feedlots, 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, Mosquitos, Crickets and Face Flies. Dilute 1 pint of Permethrin in 12-1/2 gallons of water, mix well and spray walls and surfaces to the point of run-off, about 1 gallon per 750-1000 square feet. Treat no more often than once every 2 weeks. Do not contaminate animals feed or water by spray. Do not use in milk rooms. For overall broadcast spraying, do not remain in treated areas and ventilate before reoccupying. Animals should be removed from area prior to treatment. Do not treat manure or litter. The use of any residual fly spray should be supplemented with proper manure management and general sanitation to reduce or eliminate fly breeding sites.

HOSE-END SPRAYER: To control listed insects, shake well before applying. Connect nozzle to hose, remove bottle cap, insert dip-tube and screw bottle onto nozzle. Turn on water at the tap. When ready to treat, open valve 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, Mosquitos, Crickets and Face Flies. Walk and spray at a steady pace. Spray walls and surfaces to the point of run-off. Treat no more often than once every two weeks. Do not contaminate animals feed or water by spray. Do not use in milk rooms.



STORAGE AND DISPOSAL

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

Remove spray nozzle and replace original bottle cap. Store in original container away from heat or open flame, in cool, locked storage area.

PESTICIDE DISPOSAL: Wastes resulting from use of the product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or recondition and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Do not reuse hose-end spray nozzle.

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