

MAY 22 1991

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Mr. Barry Santerre
Unicorn Laboratories
1002 118th Avenue North
St. Petersburg, FL 33716

Dear Mr. Santerre:

Subject: Label Amendment - Addition of Sites and Pests
Unicorn Permethrin Spray
EPA Registration No. 28293-128
Your Submission Dated November 9, 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:

- 1. Revise the "Indoor Use Areas" to:

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.

- 2. Move Storage and Disposal statement to Precautionary Statements and revise as follows:

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.

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|---------|----------|--|--|--|--|--|--|
| SYMBOL | | | | | | | |
| SURNAME | Stelvert | | | | | | |
| DATE | 4-30-90 | | | | | | |

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: Do not reuse container. Wrap container in several layers of newspaper and discard in trash.

3. Place a comma after institutions in the list of sites.
4. Change (+) to (±) in the footnote to Permethrin in the active ingredient statement.
5. Revise ENVIRONMENTAL HAZARDS as follows:

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 washwaters/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.

6. Add to PHYSICAL HAZARDS:

Do not use this product in or on electrical equipment due to the possibility of shock hazard.

7. Add Horn Flies and Fowl Mites to the Directions for Use.
8. Use in food handling establishments can imply use in U.S. Department of Agriculture (USDA) Meat and Poultry Plants. Therefore, either add the statement, "Not for Use in USDA Meat and Poultry Plants," or submit an application to USDA requesting use in these areas. If granted, you can then indicate on the label that the product can be used in these areas.
9. Add the following precautions:

- Under Non Food/Feed Areas, ". . . HOSPITALS (non-occupied areas)."
- "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."

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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

**UNICORN
PERMETHRIN SPRAY**

**EMULSIFIABLE CONCENTRATE
LIVESTOCK AND PREMISE SPRAY**

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 areas of poultry houses, dairies, cattle barns, milking parlors, horse barns, swine houses, commercial buildings, institutions, warehouses, theaters, office buildings, schools, motels, hotels, restaurants, food/feed processing establishments, hospitals, and kennels.

Recommended for Agricultural/Commercial Use

ACTIVE INGREDIENT:

*Permethrin..... 10.0%

INERT INGREDIENTS:..... 90.0%

100.0%

* [3-(Phenoxyphenyl) methyl (+) cis-trans-3-(2,2-dichloroethenyl) 2,2-dimethyl-cyclopropanecarboxylate]. *cis-trans ratio: Max. 65% (+) trans and Min. 35% (+) cis.

Contains 0.75 lbs. of Permethrin per gallon

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See *for label, Rec. State*
NET CONTENTS: 32 OZ.

EPA Est. No. 44616-MO-1

EPA Reg. No. 28293-123

**ACCEPTED
with COMMENTS
in EPA Letter Dated:**

MAY 22 1980

**Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for**

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or absorbed through the skin. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Remove and wash clothing before reuse. Avoid contamination of food and feed. Full-faced gas mask with canister is recommended for general protection when applying indoors as a space spray or fogger.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to fish. Do not apply directly to water. Do not contaminate water when disposing of equipment washwater/dip solution.

PHYSICAL HAZARDS

Do not use or store near heat or open flame.

STATEMENT OF PRACTICAL TREATMENT

- IF SWALLOWED:** Contact a physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by touching back of the 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.
- IN 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.

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 concentrate in 100 parts water (1.33 ounces per gallon) (8 teaspoonsful per gallon) (0.1%).

INDOOR USE AREAS: Do not use in edible product areas of food/feed processing plants, restaurants or other areas where food/feed is commercially prepared or processed. Do not use in serving area while food is exposed.

NON FOOD/FEED 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, HOTELS, MOTELS, INDUSTRIAL INSTALLATIONS, KENNELS, MEAT PACKING PLANTS, HOMES, OFFICE BUILDINGS, RAILROAD CARS, RESTAURANTS, SCHOOLS, SHIPS' HOLDS, SUPERMARKETS, TRUCK TRAILER, WAREHOUSES.

AS A SURFACE SPRAY TO CONTROL: Cockroaches, Waterbugs, Palmetto Bugs, Ants, Silverfish, Beetles, Mites, Weevils. 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, 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.

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 systems. 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 area 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

CORRALS, FEED LOTS, GARDENS, PARKS, HOMES, DRIVE-IN THEATERS, 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.

ANIMALS AND ANIMAL PREMISE USE

CATTLE BARNS, SWINE HOUSES, MILK ROOMS, KENNELS, POULTRY HOUSES, HORSE BARNS, DAIRIES, MILKING PARLORS

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 teaspoonsful per gallon) (0.1%).

LIVESTOCK SPRAY

(Dairy and Beef Cattle, Sheep, Goats, Swine, Horses, Poultry).

✓ Dairy Cattle / For Swine

To Control: poultry lice: Spray roosts, wall and nests or cages thoroughly. This should be followed by spraying over the birds with a fine mist.

✓ Horn Flies

To Control: face flies: Apply using spray which produces large wetting droplets. Apply to the face of the animal in the morning before releasing to pasture. Apply sufficiently to wet the face but not more than 1-1/2 ounces per animal. Repeat daily as needed.

To Control: fleas, ticks lice and mange mites (adult and larvae) on dogs and livestock: 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. Repeat applications as necessary. DO NOT TREAT PUPPIES LESS THAN FOUR WEEKS OLD.

To Control: fleas, flies, ticks, lice and mange mites (adult & larvae) in kennels, dog houses, runs, and yards: Thoroughly wet pest breeding or resting areas to run off. 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.

IN CATTLE BARNS, HORSE BARNS, SWINE HOUSES, KENNELS, MILKING PARLORS, MILK ROOMS, DAIRIES AND POULTRY HOUSES: To control flies, mosquitoes and gnats: Apply as a fog or fine mist, directing the spray toward the ceiling and upper corners until the area is filled with mist. Use about 2 ounces per 100 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.

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

DISPOSAL: Do not reuse container. Wrap and discard in trash.

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, 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 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.

