

Pmo3 28293-232 5/19/98 1/4

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Mr. Barry J. Santerre  
Unicorn Laboratories  
13535 Feather Sound Drive  
Clearwater, FL 34622-5587

MAY 19 1998

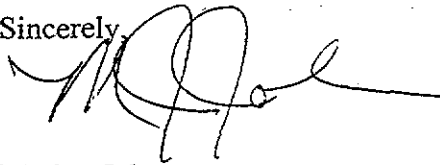
Subject: Amended Product Labeling- Revised Per PR Notice 96-6  
Unicorn .15%Transparent Emulsion Spray  
EPA Registration Number 28293-232  
Submission Dated: September 11,1997

Dear Mr. Santerre,

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.

1. Review of the the section of the label for pet care implies use on dogs only but does not clearly define this use. To be in accordance with PR Notice 96-6 Section IV.2 the label should indicate the registered species. For this product it appears that the statement "Use only on dogs." should be included in the pet care portion of the label.

Sincerely,



Marion Johnson  
Product Manager 10  
Insecticide & Rodenticide Branch  
Registration Division (7505C)

Enclosure

CONCURRENCES

SYMBOL ▶	H7505C							
SURNAME ▶	P Mastradone							
DATE ▶	Apr 27, 1998							

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# UNICORN .15% TRANSPARENT EMULSION SPRAY

An insecticide for control of House Flies, Mosquitoes, Gnats (Midges), Wasps, Small Flying Moths (Millers), Cockroaches (Waterbugs), ants, Silverfish, Crickets, Fleas, Bedbugs, Lice, Earwigs, Centipedes, Sowbugs (Pillbugs), Boxelder Bugs, Horn Flies, Face Flies, Deer Flies, Stable Flies, Horse Flies, Sucking and Biting Lice, Ticks, Sheep Keds, and Poultry Mites.

**ACTIVE INGREDIENTS:**

Pyrethrins. . . . . 0.15% w/w  
Piperonyl Butoxide, Technical\*. . . . . 1.50%

**INERT INGREDIENTS:** . . . . . 98.35%

**Total:** . . . . . 100.00% w/w

\* Equivalent to 1.2% (butylcarbityl) (6-propyl piperonyl) ether and 0.3% related compounds.

## KEEP OUT OF REACH OF CHILDREN CAUTION

See Side/Back Panel for Additional Precautionary Statements.

**PRECAUCION AL CONSUMIDOR:** Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

**(TO THE USER:** If you cannot read English, do not use this product until the label has been fully explained to you.)

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated:  
MAY 19 1998**  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
28293-232

**NET CONTENTS**

**Manufactured by:**

Unicorn Laboratories  
13535 Feather Sound Drive, Suite 400  
Clearwater, FL 34722-5587  
(813) 578-4545

EPA EST. NO. 62478-FL-1A  
44616-MO-1B  
Subscript used is first letter  
of run code on container.

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☐ READ ENTIRE LABEL BEFORE EACH USE.

☐ FOR PET USE - USE ONLY ON DOGS.

**PRECAUTIONARY STATEMENT**

**Hazards to Humans and Domestic Animals**

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

Do not apply directly to food or feedstuffs. In commercial food handling facilities, cover or remove any food and food processing equipment during application. Do not apply when food processing is underway. After space spraying in bakeries and other food processing plants, wash all equipment, benches, shelving, etc. where exposed food will be handled, thoroughly with an effective cleaning compound and rinse with potable water. In the home, all food processing surfaces and utensils should be covered during treatment, or thoroughly washed before use. Remove pets, and cover fish aquariums before space spraying.

**Statement of Practical Treatment/ First Aid**

**IF SWALLOWED:** Call a Physician or Poison Control Center. Drink 1 or 2 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 or convulsing person.

**IF IN EYES:** Flush with plenty of water. Get medical attention.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists.

**Environmental Hazards**

This product is toxic to fish. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes.

**Physical and Chemical Hazards**

Do not expose this waterbase formulation to temperatures below 32°F (0°C). Do not apply this product in conduits, motor housings, junctions, and switch boxes or other electrical equipment because of possible shock hazard. Do not use on surfaces that can be stained or harmed by water.

**STORAGE AND DISPOSAL**

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

**STORAGE:** Do not store this waterbase formulation at temperatures below 32°F (0°C). For containers one gallon and under; Store product in original container in a locked storage area.

**PESTICIDE**

**DISPOSAL:** For Containers Over One Gallon: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

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**CONTAINER**

**DISPOSAL:** For Containers One Gallon and Under: Do not reuse empty container. Wrap container and put in trash.

For Containers Over One Gallon: 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.

**DIRECTIONS FOR USE**

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

**INDOORS:** For use in Hotels, Motels, Homes, Preschools, Apartment Buildings, Commercial, Office, Institutional and Storage Buildings, Recreational Buildings, Packaging and Processing Plants, Milk Handling Areas of Milk Plants, Milk Storage Rooms, Egg Processing Plants, Supermarkets, Restaurants, Bottling Plants, Canneries, Flour and Feed Mills, Bakeries, Boats, Ship Cabins, and Hospitals. **In Hospitals, Patients Should Be Removed Prior to Treatment.** Also for use in Campers, Mobile Homes, Buses, Automobiles, Trucks, Boxcars and Ship Cargo Holds. Also for use in Barns, Stables, Kennels, poultry Houses, and other Animal Quarters. **When spraying in Animal Quarters, DO NOT SPRAY FOOD OR FEED ITEMS. DO NOT APPLY OR ALLOW TO CONTACT PLANTS BECAUSE OF POSSIBLE INJURY.**

**NOTE TO PEST CONTROL OPERATORS:** One gallon (3.79 L) of spray is sufficient to treat 1500 linear feet (457 meters) with a 6 inch (15 cm) spray band.

**GENERAL INFORMATION:** Use this product undiluted or mix with water as shown in the SPRAY DILUTION CHART. Use the 0.15 + 1.5 spray to quickly reduce heavy infestations of flying and crawling insects. Use the 0.1 + 1.0 spray to control light infestations of flying and crawling insects and for maintenance purposes.

For animal treatment, use the 0.1 + 1.0 spray to kill and repel flying insects, and the 0.01 + 0.1 dilution to control lice, fleas, ticks and sheep keds. Poultry should only be treated with the 0.01 + 0.1 dilution.

<b>SPRAY DILUTION CHART</b>			
<b>Amount of Spray Mixture Desired</b>		<b>Amount of Product Required to Achieve Desired Dilution</b>	
<u>Gallons</u>	<u>Liters</u>	<u>0.1% + 1.0%</u>	<u>0.01% + 0.1%</u>
1	3.79	2-3/4 qt (2.60L)	9 fl oz (266 ml)
3	11.37	2 gal (7.57L)	26 fl oz (769 ml)
5	18.95	3-1/3 gal(12.60L)	1-2/5 qt (1.32L)
10	37.90	6-3/4 gal(25.55L)	2-3/4 qt (2.60L)

NOTE: 1 Fluid Ounce = 2 Tablespoonfuls = 6 Teaspoonfuls = 29.574 ml.

**INDOORS**

**SPACE SPRAY:** To Control House Flies, Mosquitoes, Gnats (Midges), Wasps, and Small Flying

Moths (Millers): Close all doors, windows and ventilators, Adjust spray equipment to deliver a fine mist and direct the nozzle upward and outward in all directions. Fill the room with mist at the rate of 0.5 to 1 ounce of spray for each 1,000 cu. ft. (28.3 cu m) of space. Keep the area closed for 15 minutes, then thoroughly ventilate before entering the treated area.

**TO CONTROL BED BUGS AND MITES IN POULTRY HOUSES:** Apply as a crack and crevice/spot treatment with a coarse spray to areas where the bed bugs and mites hide, such as cracks in walls and floor, crevices, roost poles and nests.

**TO KILL BEDBUGS AND LICE:** Apply as a spot treatment to cracks and crevices around baseboards, floorboards, bedboards and walls. First, thoroughly clean and air mattresses and springs. then spot treat only areas that may harbor pests, concentrating on tufts, folds, and seams. Repeat as necessary. For persistent infestations, consult professional applicator.

**CONTACT SPRAY:** To kill cockroaches (waterbugs), fleas, earwigs, centipedes, sowbugs (pillbugs), boxelder bugs, ants, silverfish (firebrats) and crickets: Adjust spray to produce large wetting type spray particles. Direct spray to contact insects in cracks and crevices in floors, baseboards, around pipes, behind cabinets and other harborages. Hit as many insects directly as possible. Apply the spray to the point of run-off. Repeat as necessary.

**OUTDOORS**

**DO NOT TREAT OR ALLOW THE SPRAY TO CONTACT PLANTS (LAWNS, FLOWERING PLANTS, SHRUBS, TREES, EVERGREENS, ETC.) BECAUSE OF POSSIBLE INJURY.**

**HOUSE FLIES, MOSQUITOES, GNATS, FLYING MOTHS (MILLERS), AND WASPS OUTDOORS:** For outdoor use as an aid in reducing annoyance from these insects in municipalities, zoos, parks, playgrounds, stadiums, open-air theatres, recreational areas, dump areas, manure and compost piles. Treat the area with 1.5 gallons per acre (1.4 L/ha). Spray garbage cans, outhouses, barbecue pits, compost and manure piles and other breeding areas until surfaces are thoroughly wet. Spray outside surfaces of tents, lean-tos, and shelters in camping areas, the outside of barns, dairies, kennels, creameries, food processing plants, and institutions until surfaces are thoroughly wet, paying particular attention to screens, doors, window frames or wherever these insects may enter the room. Also treat surfaces around outdoor light fixtures on porches, in garages, and other places where these insects alight or congregate. Repeat as necessary.

**ANIMAL TREATMENT:** To kill and repel House Flies, Horn Flies, Face Flies, Deer Flies, Stable Flies and Horse Flies on Dairy and Beef Cattle, Horses, Hogs, Sheep and Goats: Apply the 0.1% + 1.0% dilution as a coarse particle spray at the rate of 2 ounces per large animal on a daily basis. Apply sufficiently to wet the hair but not to soak the hide. If longer kill or repellency is desired, use up to 1-2 quarts (0.95 to 1.89 L) applied to all parts of an animal the size of a mature cow. This latter treatment will protect for 3-8 days from stable flies, horn flies, face flies and house flies, and offers up to 3 days protection from horse flies and deer flies. Avoid spraying in eyes. Repeat as

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necessary. Any animals nervous from the sound or feel of the spray can be treated by applying the material with a sponge. Applicator should wear protective clothing and gloves for sponging.

**For Control of Sucking and Biting Lice, Fleas, Ticks and Sheep Keds on Dairy and Beef Cattle, Horses, Hogs, Sheep and Goats:** Use the 0.01% + 0.1% dilution as a dip or a spray. If used as a spray, make sure the animal hair is thoroughly wet including the head and tail. Repeat the treatment in ten days to kill newly hatched insects.

**For Biting Lice, Fleas, Ticks, Bed Bugs, and Mites on Poultry:** Use the 0.01% + 0.1% dilution to treat the birds by dipping them in the solution while holding the wings away from the body to insure thorough coverage. To avoid chilling of the poultry, dip on a warm day, or in a warm building. Applicator should wear protective clothing and gloves.

**PET TREATMENT: For Control of Sucking and Biting Fleas and Ticks on Dogs:** Use the 0.01% + 0.1% dilution as a dip or a spray. If used as a spray, make sure the animal hair is thoroughly wet including the head and tail. Do not spray into eyes or face. Avoid contact with genitalia. Repeat the treatment in ten days to kill newly hatched insects. **Do not use on puppies under twelve (12) weeks of age. Consult a veterinarian before using this product on debilitated, aged, pregnant or nursing animals or animals on medication. 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.**

**WARRANTY STATEMENT**

Our recommendations for use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility, including injury or damage, resulting from its misuse as such, or in combination with other materials.

