

FEB 26 1991

Ms. Linda Denbigh
Unicorn Laboratories
1000 118th Avenue North
St. Petersburg, FL 33716

Dear Ms. Denbigh:

Subject: Final Label
Unicorn Flea & Tick Spray IV
EPA Registration No. 28293-152
Your Submission Dated August 30, 1990

As new labels are prepared, revise the ENVIRONMENTAL HAZARD statement to be consistent with the Resmethrin Standard for outdoor use (not Restricted Use).

Sincerely yours,

RFM
Richard F. Mountfort
Product Manager (10)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

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CONCURRENCES

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UNICORN FLEA & TICK SPRAY IV

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ACTIVE INGREDIENTS:

*Resmethrin [5-(phenylmethyl)-3-furanyl]methyl 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate	0.143%/w/w
d-trans Allethrin (allyl homolog of Cinerin I)	0.107%
INERT INGREDIENTS:	99.750%

100.000%/w/w

Cis/trans isomers ratio: max. 30% (±) cis and min. 70% (±) trans.

*Roussel Bio's SBP-1382 * brand of resmethrin insecticide.

**U.S. Patent No. 3,683,076.

Roussel Bio Corp., 400 Sylvan Avenue, Englewood Cliffs, N.J. 07632

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS CAUTION

Harmful if swallowed. Avoid contact with eyes, skin or clothing and food stuffs. Remove pets, birds, and cover fish aquaria use on edible crops. Do not remain in treated areas. Ventilate completely.

STATEMENT OF PRACTICAL TREATMENT
IF SWALLOWED: Induce vomiting by sticking finger in back of throat. Do not use ipecac. Give syrup of ipecac. Get medical attention.

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

IF ON SKIN: Wash with plenty of soap and water. Get medical attention.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to water. Do not discharge into water when disposing of equipment washwaters.

PHYSICAL & CHEMICAL HAZARDS

Do not apply this product in conduits, motor housings, junction boxes, or other electrical equipment because of possible shock hazard.

DIRECTIONS FOR USE

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

STORAGE & DISPOSAL

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

STORAGE: Do not store this water-based formulation at temperatures below 40°F. For Containers 1 Gallon and Under: Store product in original container in a cool, dry area.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product should be disposed of or at an approved wastes disposal facility.

CONTAINER DISPOSAL: For Containers One Gallon and Under: Wrap container and put in trash.

For Containers Over One Gallon: Triple rinse (or equivalent) and reuse or recycle, or puncture and dispose of in a sanitary manner approved by State and local authorities.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

SEE SIDE PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS AND
STATEMENT OF PRACTICAL TREATMENT

Can Be Used In Non-Food Areas Of Food Handling Establishments

Net Contents

1 gallon

EPA Reg. No. 28293-152

EPA Est. No. 28293-FL-1

Unicorn Laboratories
1000 113th Avenue North
St. Petersburg, FL 33716

DIRECTIONS FOR USE (Continued)

DIRECTIONS FOR USE (Continued)

Do not use in edible product areas of food processing plants, restaurants, or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed. In the home, cover all food handling surfaces and cover or remove all food and cooking utensils.

For use in non food areas of food handling establishments in and around premises of commercial, industrial, office, residential, public, institutional and storage buildings, hotels, motels, homes, preschools, nurseries, day camps, seed houses, packing and processing plants, milk handling areas of milk, cheese and ice cream plants, milk storage rooms, egg processing plants, supermarkets, restaurants, bottling plants, canneries, flour and feed mills, bakeries, boats, ship chandlers and hospitals. In hospitals, patients should be removed for treatment. Also for use in campers, mobile homes, buses, automobiles, trucks, boxcars, and ship cargo holds. Also for use in dog kennels and horse stables. In horse stables, not for application if horses will be used for food.

Do not use on electrical equipment or on surfaces that can be harmed or stained by water.

INDOORS

FLYING INSECTS: To kill houseflies, deer flies, stable flies, gnats (midges), mosquitoes, vinegar flies, fruit flies, flying moths (millers): Apply as a space spray. Fill spray tank with undiluted material. Adjust pressure and nozzle to deliver a fine mist spray. Close all doors and windows. Point nozzle upward and direct the spray mist to all parts of the room especially windows and other light sources which attract these insects. Keep the spray nozzle at all times at least four feet (1.2 m) from fabrics to avoid wetting or staining. Fill the room with mist at the dosage of one fluid ounce per 1,000 cubic feet of space (30 m per 28.3 cu m). Then leave the treated area. Keep the room closed for at least 15 minutes. Ventilate the room when treatment is completed and before re-entry.

To kill wasps, hornets, yellow jackets, bees: Application should be made in late evening when insects are at rest. Spray liberally into hiding and breeding places, especially under attic rafters, contacting as many insects as possible. Repeat as necessary.

CRAWLING INSECTS: To kill cockroaches (waterbugs), crickets, scorpions, silverfish (firebrats), earwigs, fleas, booklice, spiders, sowbugs, pillbugs, centipedes, millipedes, grain mites and grain insects (adults), as well as all stages of confused flour beetles, red flour beetles, sawtoothed grain beetles, chocolate moths, drugstore beetles, cigarette beetles, grain mites, lesser

grain borers, Mediterranean flour moths, shiny spider beetles, carpet beetles, grain weevils, Angoumois grain moths, Indian meal moths). Apply as a contact spray. Fill spray tank with undiluted material. Keep spray nozzle about 8 to 12 inches (20 to 30 cm) from surface to be treated. Adjust pressure and nozzle to deliver a coarse spray with particle size larger than that of the average aerosol. Spray thoroughly into hiding places such as cracks, crevices, moist areas openings around pipes and sinks, under refrigerators, baseboards, storage areas and other insect harborage areas. Spray directly on insects where possible. Repeat as necessary.

TO KILL SPIDERS (INCLUDING BLACK WIDOW AND BROWN RECLUSE): Spray directly on these pests and use repeated applications to the webbing and all cracks and crevices which harbor spiders.

TO KILL ANTS (Including Fire Ants): Spray doors, around window frames, and other points of entry. Spray ant trails, nests, and hills contacting as many ants directly as possible.

TO KILL BEDBUGS: 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 bedbugs, concentrating on tufts, folds and seams. Repeat as necessary. For persistent infestations, consult professional applicator.

TO KILL FLEAS AND TICKS ON DOGS, CATS AND PREMISES: Apply directly to animals along back, under forelegs and on other areas except scrotum and anus. Part hair to contact skin and insure good coverage. Hold nozzle about one foot (30 cm) away while spraying. Apply until hair is thoroughly moist. Do not spray directly in eyes or mouth of animal. Repeat within 24 hours of first treatment if necessary. To reduce reinfestation, thoroughly spray the animals bedding and other resting areas until the surface is slightly moist. Treat these areas at the rate of two seconds per linear foot (0.3m) at a distance of 12 to 18 inches (30-46 cm). Also spray the entire inside surface of dog houses. Repeat as necessary, thoroughly spraying floors, cracks, crevices and bedding. Hit as many insects directly as possible.

OUTDOORS

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

TO KILL HOUSEFLIES, MOSQUITOES, GNATS (Midges), DEER FLIES, STABLE FLIES, FLYING MOTHS (Millers), FRUIT FLIES: Spray resting areas to reduce annoyance from these pests. Follow precautions listed above. Hold container 18 to 24 inches (46 to 60 cm) from surfaces to be treated. Spray these areas with a slow sweeping motion at the rate of from 1 to 3 seconds per cubic yard (0.76 cu m) of space while moving away from the treated areas.

Treat open porches and patios in a similar manner. Spray only when air is still. Allow spray to dissipate before occupying the treated area. Repeat as necessary.

WASPS, HORNETS, YELLOW JACKETS, BEES: Same as directed above for indoor use. Application should be made late in the evening when insects are at rest. Aim spray at nest openings in ground, and in cracks and crevices which may harbor nests, saturating nest openings and contacting as many insects as possible. Repeat as necessary.

ANTS AND FLEAS: Same as directed above for indoor use.

FIRE ANTS: Kills and reduces annoyance for short periods of time. To reduce annoyance from these ants and keep them from entering homes, spray patios, barbecue areas, driveways, entryways, door sills, window sills, other entrance areas, foundations of buildings, ant trails, mounds, around pools and areas where the ants are noticed. Spray until the area is wet, contacting as many insects as possible. This treatment will not kill the colonies but will reduce the immediate population for up to four hours. Repeat as necessary. Avoid contacting plants, shrubbery and large areas of lawns.

CRICKETS, SILVERFISH, EARWIGS, SPIDERS, SOWBUGS, CENTIPEDES, MILLIPEDES, AND SCORPIONS: Same as directed above for indoor use.

BEST AVAILABLE COPY

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.

1000 118th Avenue North
St. Petersburg, FL 33716

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment:
 - a. Add the phrase "EPA Registration No. 28293-152."
 - b. Provide the pH of the product or specified water dilution.
 - c. Change the statement "Do not contaminate water by cleaning of equipment or disposal of wastes" to read "Do not contaminate water when disposing of equipment washwaters."
3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

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ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

W. P. R.

DATE

6/29/90

EPA Form 8570-6 (Rev. 5-76)

PREVIOUS EDITION MAY BE USED UNTIL SUPPLY IS EXHAUSTED.

58814;1;CR-31;Tavabo;E-12;EPCD;06/19/90;07/19/90;CL;SW;VO;ER;16

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

Phil Nutton

Phil Nutton
Product Manager (17)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

JWS
4/27/90

Enclosures

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ACCEPTED
with COMMENTS
in EPA Letter Dated:

UNICORN FLEA & TICK SPRAY IV

JUL 10 1990

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

28293-152

ACTIVE INGREDIENTS:

*Resmethrin [5-(phenylmethyl)-3-furanyl]methyl 2,2-dimethyl-
3-(2-methyl-1-propenyl)cyclopropanecarboxylate 0.143%w/w
δ-trans Allethrin (allyl homolog of Cinerin I) 0.107%

INERT INGREDIENTS: 99.750%

100.000%w/w

*Cis/trans isomers ratio: max. 30% (±) cis and min. 70% (±) trans.

**Resmethrin is the 500-1362 * brand of resmethrin insecticide.

***U.S. Patent No. 3,683,878.

Resmethrin Corp., 473 Sylvan Avenue, Englewood Cliffs, N.J. 07632

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

SEE SIDE PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS AND
STATEMENT OF PRACTICAL TREATMENT

Can Be Used In Non-Food Areas Of Food Handling Establishments

Net Contents

1 gallon

EPA Reg. No. 28293

EPA Est. No. 28293-FL-1

Unicorn Laboratories
1600 118th Avenue North
St. Petersburg, FL 33716

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS
CAUTION**

Harmful if swallowed. Avoid contact with eyes, skin or clothing. Avoid contamination of food stuffs. Remove pets, birds, and cover fish aquariums before space spraying use on edible crops. Do not remain in treated areas. Ventilate the area when treatment is complete.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Induce vomiting by sticking finger in back of throat or by administering syrup of ipecac. Get medical attention.

IF IN EYES: Flush with plenty of water. Get medical attention if irritation persists.

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 during cleaning of equipment or disposal of wastes.

PHYSICAL & CHEMICAL HAZARDS

Do not apply this product in conduits, motor housings, junctions, and switch boxes or electrical equipment because of possible shock hazard.

DIRECTIONS FOR USE

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

STORAGE & DISPOSAL

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

STORAGE: Do not store this water-based formulation at temperatures below 32°F. For Containers 1 Gallon and Under: Store product in original container in a locked area.

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

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, reconditioning, or puncture and dispose of in a sanitary landfill, or by other means approved by State and local authorities.

DIRECTIONS FOR USE (Continued on reverse side.)

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DIRECTIONS FOR USE (continued)

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Do not use in edible product areas of food processing plants, restaurants, or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed. In the home, cover all food handling surfaces and cover or remove all food and cooking utensils.

For use in non-food areas of food handling establishments in and around premises of commercial, industrial, office, residential, public, institutional and storage buildings, hotels, motels, homes, preschools, nurseries, day camps, seed houses, packing and processing plants, milk handling areas of milk, cheese and ice cream 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 dog kennels and horse stables. In horse stables, not for application if horses will be used for food.

Do not use on electrical equipment or on surfaces that can be harmed or stained by water.

INDOORS

FLYING INSECTS: To kill houseflies, deer flies, stable flies, gnats (midges), mosquitoes, vinegar flies, fruit flies, flying moths (millers): Apply as a space spray. Fill spray tank with undiluted material. Adjust pressure and nozzle to deliver a fine mist spray. Close all doors and windows. Point nozzle upward and direct the spray mist to all parts of the room especially windows and other light sources which attract these insects. Keep the spray nozzle at all times at least four feet (1.2 m) from fabrics to avoid wetting or staining. Fill the room with mist at the dosage of one fluid ounce per 1,000 cubic feet of space (30 ml per 28.3 cu m). Then leave the treated area. Keep the room closed for at least 15 minutes. Ventilate the room when treatment is completed and before re-entry.

To kill wasps, hornets, yellow jackets, bees: Application should be made in late evening when insects are at rest. Spray liberally into hiding and breeding places, especially under attic rafters, contacting as many insects as possible. Repeat as necessary.

CRAWLING INSECTS: To kill cockroaches (waterbugs), crickets, scorpions, silverfish (firebrats), earwigs, fleas, booklice, spiders, sowbugs (pillbugs), centipedes, millipedes, grain mites and grain insects (adult and so-called stages of Confused flour beetles, red flour beetles, sawtoothed grain beetles, chocolate moths, drugstore beetles, cigarette beetles, grain mites, lesser

grain borers, Mediterranean flour moths, shiny spider beetles, carpet beetles, grain weevils, Angoumois grain moths, Indian meal moths). Apply as a contact spray. Fill spray tank with undiluted material. Keep spray nozzle about 8 to 12 inches (20 to 30 cm) from surface to be treated. Adjust pressure and nozzle to deliver a coarse spray with particle size larger than that of the average aerosol. Spray thoroughly into hiding places such as cracks, crevices, moist areas openings around pipes and sinks, under refrigerators, baseboards, storage areas and other insect harborage areas. Spray directly on insects where possible. Repeat as necessary.

TO KILL SPIDERS (INCLUDING BLACK WIDOW AND BROWN RECLUSE): Spray directly on these pests and use repeated applications to the webbing and all cracks and crevices which harbor spiders.

TO KILL ANTS (Including Fire Ants): Spray doors, around window frames, and other points of entry. Spray ant trails, nests, and hills contacting as many ants directly as possible.

TO KILL BEDBUGS: 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 bedbugs, concentrating on tufts, folds and seams. Repeat as necessary. For persistent infestations, consult professional applicator.

TO KILL FLEAS AND TICKS ON DOGS, CATS AND PREMISES: Apply directly to animals along back, under forelegs and on other areas except scrotum and anus. Part hair to contact skin and insure good coverage. Hold nozzle about one foot (30 cm) away while spraying. Apply until hair is thoroughly moist. Do not spray directly in eyes or mouth of animal. Repeat within 24 hours of first treatment if necessary. To reduce reinfestation, thoroughly spray the animals bedding and other resting areas until the surface is slightly moist. Treat these areas at the rate of two seconds per linear foot (0.3m) at a distance of 12 to 18 inches (30-46 cm). Also spray the entire inside surface of dog houses. Repeat as necessary, thoroughly spraying floors, cracks, crevices and bedding. Hit as many insects directly as possible.

OUTDOORS

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

TO KILL HOUSEFLIES, MOSQUITOES, GNATS (MIDGES), STABLE FLIES, FLYING MOTHS (MILLERS): Spray resting areas to reduce annoyance from. Follow precautions listed above. Hold container 18 (46 to 60 cm) from surfaces to be treated. Spray then slow sweeping motion at the rate of from 1 to 3 seconds (0.78 cu m) of space while moving away from area.

Treat open porches and patios in a similar manner when air is still. Allow spray to dissipate before re-treated area. Repeat as necessary.

WASPS, HORNETS, YELLOW JACKETS, BEES: Same as above for indoor use. Application should be made evening when insects are at rest. Aim spray at nest ground, and in cracks and crevices which may saturating nest openings and contacting as many as possible. Repeat as necessary.

ANTS AND FLEAS: Same as directed above for indoor use.

FIRE ANTS: Kills and reduces annoyance for short time. To reduce annoyance from these ants and to keep them from entering homes, spray patios, barbecue area entryways, door sills, window sills, other on foundations of buildings, ant trails, mounds, and areas where the ants are noticed. Spray until they are contacting as many insects as possible. This treatment kills the colonies but will reduce the immediate population for four hours. Repeat as necessary. Avoid contact with shrubbery and large areas of lawns.

CRICKETS, SILVERFISH, EARWIGS, SPIDERS, SOWBUG, MILLIPEDES, AND SCORPIONS: Same as directed above for indoor use.

WARRANTY STATEMENT

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