

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

SEP 10 1993

500-170372
10/3

Ms. Sharon Johnston
Roussel Uclaf Corporation
95 Chestnut Ridge Road
Montvale, NJ 07645

Dear Ms. Johnston:

Subject: Addition of Dogs
Permanone 3.4 EC
EPA Registration No. 4816-689
Your Application Dated August 10, 1993

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:

Delete the section Mushroom Houses and Adjacent Premise Areas because it falls under scope of the Worker Protection Standard (WPS). Your Direction for Use are for insect control on soil or planting media in which plants are, or will be grown which is covered under WPS. Alternatively you may retain the use pattern if you add the correct WPS wording.

Submit three 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 13
Insecticide & Rodenticide Branch
Registration Division (H7505C)

CONCURRENCES							
SYMBOL							
SURNAME	<i>Helmut</i>						
DATE	<i>2-9-90</i>						

PERMANONE

3.4 E.C.

EPA REG. NO. 4016-589

EPA EST. NO. 279-NY-1

* For Agricultural/Commercial Use and Vector Control Agencies, Pest Control Operators Only

* Aids in the control of Fire Ants

* For use in mushroom growing and production areas

* For use in control of Ticks including Deer Tick, Black Legged Tick, Brown Dog Tick, Lone Star Tick and American Dog Tick

* Contains 3.4 Pounds Permethrin Per Gallon.

ACTIVE INGREDIENT:

*Permethrin	40.00%
INERT INGREDIENTS	60.00%
	100.00%

(3-Phenoxyphenyl)methyl (+/-) cis/trans 3-(2,2-dichloroethyl)-2,2-dimethylcyclopropanecarboxylate (Cis/trans ratio: Min 35% (+/-) cis and max. 65% (+/-) trans)

PERMANONE - Registered trademark of Roussel Uclaf Corporation

KEEP OUT OF REACH OF CHILDREN WARNING

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center. Drink one or two glasses of water. 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. Get medical attention.

IF IN EYES: Hold eyelids open and flush with a steady gentle stream of water for 15 minutes. Get medical attention.

See label and label insert for additional precautions.

ACCEPTED

with COMMENTS
in EPA Letter Dated

ROUSSEL UCLAF

P.O. BOX 1077, 400 SYLVAN AVENUE

ENGLEWOOD CLIFFS, NEW JERSEY 07632

Under the Federal Insecticide, Fungicide, and Rodenticide Act, registered under EPA Reg. No. 4016-589

DIRECTIONS FOR USE

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

IMPORTED FIRE ANT CONTROL

Treatment of Fire Ant mounds. Apply Permanone® 3.4 E.C. as a drench diluted at the rate of 6.0 fl. oz. per 2 gallons of water. Gently sprinkle a total of 1 gallon of the diluted solution over the surface of each mound using a sprinkler can. Thoroughly wet mound and surrounding area to a 4 ft. diameter (12 sq. ft.). For best results apply in cool weather, 65-80°F, or in early morning or late evening hours. Treat new mounds as they appear. Pressurized sprays may disturb the ants and cause migration reducing product effectiveness.

MUSHROOM HOUSES AND ADJACENT PREMISE AREAS

For control of Mushroom Flies (Sclerid and Phorid Adults) and Fungus Gnats:

PREPARATION OF THE BUILDING PRIOR TO FOGGING:

- (1) Close all doors, windows and ventilators.
- (2) Lock or barricade all entrances, turn off pilot lights, post warning signs, and take precautions to prevent persons and animals from entering the area.

APPLICATION:

Apply Permanone 3.4® E.C. as a fogging or aerosol treatment at the rate of 2 to 2.5 ounces Permanone 3.4 E.C. per 30 ounces of water or suitable diluent. Use 1 quart of solution per standard double (35,000 cu. ft.; 8,000 sq. ft.).

Use Permanone 3.4® E.C. prior to lifting house, during cooldown, during spawning up to pinning and between breaks. Do not use when mushrooms are present. Treat once daily or as needed when flies appear. Do not make more than 20 applications prior to pinning of first break. Apply no more than two applications between each break. Do not apply more than 30 applications total per crop of 5 breaks.

Do not apply within 3 days of harvest.

Length of exposure time should be limited to 1 hour, then ventilate the house. Use fans to ventilate in houses that do not have forced air circulation. Wear full-faced gas mask with canister type recommended for general insecticide protection.

TICK CONTROL

Use Permanone® 3.4 E.C. as a residual treatment for control of Ticks including the Deer Tick (*Ixodes dammini*), Western Black-legged Tick (*Ixodes pacificus*), Lone Star Tick (*Amblyomma americanum*), American Dog Tick (*Dermacentor variabilis*) and Brown Dog Tick (*Rhipicephalus sanguineus*).

PREMISE TREATMENT

Dilute 3 ounces of Permanone® 3.4 EC in 2 gallons of water to make a 0.5% dilution and treat around windows and doors,

porches, eaves, and cracks in spaces where flies travel (approximately 1

OUTDOOR TREATMENT

Apply to water at the rate of 1 quart of solution per acre (4-6 gal. per acre). Use truck designed for either U vegetation (long grass) areas such as roadside ditches, parks and other portions of buildings by 10 feet adjacent to the

LIVESTOCK

goats,

For Swine: Do not use treatment.

TO CONTROL Horn Flies: dilute at the rate of 1 quart of solution per acre (4-6 gal. per acre). Use truck designed for either U vegetation (long grass) areas such as roadside ditches, parks and other portions of buildings by 10 feet adjacent to the

TO CONTROL Starlings: dilute at the rate of from 1 quart to 1 gallon of solution per acre (4-6 gal. per acre). Use truck designed for either U vegetation (long grass) areas such as roadside ditches, parks and other portions of buildings by 10 feet adjacent to the

TO CONTROL Fleas: dilute at the rate of from 1 quart to 1 gallon of solution per acre (4-6 gal. per acre). Use truck designed for either U vegetation (long grass) areas such as roadside ditches, parks and other portions of buildings by 10 feet adjacent to the

TO CONTROL Lice and Mites: dilute at the rate of from 1 quart to 1 gallon of solution per acre (4-6 gal. per acre). Use truck designed for either U vegetation (long grass) areas such as roadside ditches, parks and other portions of buildings by 10 feet adjacent to the

FOR CONTROL of ticks: dilute at the rate of from 1 quart to 1 gallon of solution per acre (4-6 gal. per acre). Use truck designed for either U vegetation (long grass) areas such as roadside ditches, parks and other portions of buildings by 10 feet adjacent to the

BEST AVAILABLE

TO CONTROL Sheep "Tick" or Ked dilute at the rate of from 1 to 4 fluid ounces per 3 gallons of water (1 to 4 parts in 400 parts water) and thoroughly wet all portions of the body by dipping or by spraying with sufficient pressure and with a nozzle adjustment to give penetration of the wool. Treat at a rate sufficient to wet the animal.

To kill *Fleas* on livestock and to obtain protection against reinfestation, dilute at the rate of 1.6 fluid ounces per gallon of water and wet the animal by dipping or spraying.

IN BARNs, MILKING PARLORS, MILK ROOMS, DAIRIES, POULTRY HOUSES, SWINE AND LIVESTOCK HOUSING: To control *Fleas*, *Mosquitoes* and *Gnats*, dilute at the rate of 1.6 fluid ounces per gallon of water and apply as a fog or fine mist, directing the spray toward the ceiling and upper corners until the area is filled with mist, using about 2 ounces per 1000 cubic feet of space. For best results, close doors and windows before spraying and keep them closed for ten to fifteen minutes. Vacate the treated area and ventilate before reoccupying. Repeat treatment as necessary.

FOR TEMPORARY REDUCTION OF ANNOYANCE

From: *Fleas*, *Gnats*, *Mosquitoes*

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.

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, filler's earth, etc. Dispose of with chemical waste.

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:

CONTAINERS ONE GALLON AND SMALLER: Do not reuse empty 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, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS WARNING

Concentrate causes substantial but temporary eye injury. Harmful if swallowed, or absorbed through skin. Do not get in eyes, on skin, or on clothing. Wear goggles or faceshield when handling concentrated material. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to fish and other aquatic organisms. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the 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. This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

PHYSICAL HAZARDS

Do not use or store near heat or open flame.

Notice: Buyer assumes all responsibility for safety and use not in accordance with directions.

INSERT A

ON DOGS: To control fleas and ticks

AS A SPRAY - Dilute 1.0 to 1.5 fluid ounces of Permanone® 3.4 EC in 4 gallons of water. Start spraying diluted product at the tail, moving the dispenser rapidly and making sure that the animal's entire body is covered, including the legs and underbody. While spraying, fluff the hair so that the spray wets thoroughly. Do not spray into eyes and face. Avoid contact with genitalia. Repeat as necessary. Do not use on old, sick or debilitated animals.

AS A DIP - Wet the dog with water before treatment. Sponge, dip or pour diluted product on the dog until its fur and skin are thoroughly wet, making sure that the animal's entire body is treated, including the legs and underbody. Do not treat the dog's face.

NOTE: Not recommended for use on puppies less than four weeks old.

BEST AVAILABLE COPY