



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

Sharon M. Johnston
ROUSSEL UCLAF CORP.
95 Chestnut Ridge Road
Montvale, NJ 07645

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

SUBJECT: Label Amendment Submission of 10/04/93 in Response to PR Notice 93-7
EPA Reg. No. 4816-514
PYRENONE 25-5 M.A.G. CONCENTRATE

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, successfully **REMOVES THE PRODUCT FROM THE SCOPE** of PR Notice 93-7 once the comments (if any) on the attached sheet are addressed. Other than the alterations (if any) listed on the attached sheet, no further alterations to the labeling are necessary to reflect the requirements of the Worker Protection Standard.

Since your amendment proposes to delete uses directly and/or to delete uses implicitly through the use of exclusionary statements, the Agency will publish in the Federal Register a notice of receipt of your amendment to delete uses, as required by section 6(f)(1) of FIFRA. The Agency will defer action for 90 days from the date of the Federal Register notice to give affected minor users an opportunity to try to persuade you to retain the uses(s). When the comment period has expired, the Agency will approve the amendment unless you have withdrawn it, and stamp the amended labeling "accepted." Your stamped-accepted labeling will then be sent to you.

As described in Supplement A of PR Notice 93-11 (self-verification option), you may sell and distribute product bearing the submitted labeling before you receive a copy of your stamped-accepted labeling. Note that your registration is not amended until the comment period required by section 6(f)(1) of FIFRA has expired and the Agency has approved the amendment. Therefore, you may withdraw your proposed amendment at any time during the comment period and until you receive your stamped-accepted labeling.

Sincerely,

James Tompkins
James Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)



Recycled/Recyclable
Printed with Soy/Canola Ink
contains at least 50% recycled content

PYRENONE®
25-5 M.A.G.C.

- * FOR USE BY TRAINED PERSONNEL ONLY.
- * To be applied only by or under the supervision of Pest Control Operators, Mosquito Abatement Districts, Public Health Organizations and other trained personnel responsible for Insect Control Programs.
- * For indoor or outdoor application as a space, area or contact spray. Dependent upon pests to be controlled and the area to be treated, may be applied through Mechanical Aerosol Generators (ULV), Thermal Fogging Equipment as well as other conventional fogging or spraying equipment.

ACTIVE INGREDIENTS

Pyrethrins	5.0%
*Piperonyl Butoxide, Technical	25.0%
**INERT INGREDIENTS	70.0%
	100.0%

*Equivalent to 20% (butylcarbityl) (6-propylpiperonyl) ether and 5% of related compounds.

**Contains Petroleum Distillate

PYRENONE - Registered Trademark of Roussel Uclaf Corporation

EPA Reg. No. 4816-514

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN
CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Contact a physician or Poison Control Center immediately. Do not induce vomiting unless directed to do so by a physician. Vomiting may cause aspiration pneumonia.

IF INHALED: Remove affected person to fresh air. Apply artificial respiration if indicated.

IF IN EYES: Flush affected areas with plenty of water.

IF ON SKIN: Contact a physician if irritation persists.

See rear panel for additional precautions.

Roussel Uclaf Corporation
95 Chestnut Ridge Road
Montvale, NJ 07645

NET CONTENTS: _____

ACCEPTED
with COMMENTS
In EPA Letter Dated

FEB 17 1981

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

4816-514

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS
CAUTION

Harmful if swallowed. Do not breathe spray mist. Wear a mask or respirator of a type recommended by the U.S. Bureau of Mines to give adequate protection against this material. Wear protective clothing. Wash exposed skin surfaces with soap and water after handling and before eating or smoking. Wash all contaminated clothing with soap and hot water before reuse. Remove pets, birds and cover fish aquaria before spraying.

Do not apply as a space spray while food processing is underway. Except in Federally inspected meat and poultry plants, when applied as a surface spray with care and in accordance with the directions and precautions given above, food processing operations may continue. Foods should be removed or covered before treatments. In food processing areas, all surfaces must be washed with a suitable detergent and rinsed with potable water after spraying.

When using in animal quarters, do not apply directly to food, water or food supplements. Wash teats of dairy animals before milking.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. For terrestrial uses, do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources. Apply this product only as specified on this label.

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. 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: Triple rinse (or equivalent) then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved State and local procedures.

DIRECTIONS FOR USE

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

SPACE AND/OR CONTACT USE AREAS

Bakeries
Beverage Plants
Canneries
Cattle Barns
Dried Food Products
in storage or processing
Flour Mills
Food Processing Plants
Grain Elevators
Granaries
Homes
Horse Barns
Hospitals
Hotels
Industrial Installations

Meat Packing Plants
Motels
Office Buildings
Poultry Houses
Railroad Cars
Restaurants
Schools
Stored Food in: Multi
Wall Paper or Cloth
Bags
Supermarkets
Swine Houses
Truck Trailers
Warehouses
Zoos

OUTDOOR USE AREAS

Corrals
Drive-in Restaurants
Drive-in Theaters
Feedlots
Golf Courses
Municipalities

Parks
Playgrounds
Recreational Areas
Residences
Swine Yards
Zoos

PYRENONE 25-5 M.A.G.C. is effective in the control of the indicated insects if the applicator follows directions for use as enumerated below:

Angoumois Grain Moths
Ants
Boxelder Bugs
Cadmellies
Cheese Mites
Cheese Skippers
Cigarette Beetles
Clover Mites
Cockroaches
Confused Flour Beetles
Dark Mealworms
Deer Flies
Dried Fruit Beetles
Drugstore Beetles
Earwigs
Fleas
Fruit Flies
Gnats
Grain Mites
Granary Weevils

Hom Flies
Homots
Horse Flies
House Flies
Indian Meal Moths
Lice
Mediterranean Flour Moths
Mosquitoes
Red Flour Beetles
Rice Weevils
Saw-toothed Grain Beetles
Small Flying Moths
Spider Beetles
Stable Flies
Tobacco Moths
Wasps
Yellow Mealworms

In hospitals, remove patients before treatment. Ventilate room for 2 hours following treatment before returning patients.

INDOOR USE AS A SPACE SPRAY, UNDILUTED: The use of this product in food processing or food handling establishments (bakeries, beverage plants, canneries, food processing plants, hospitals, hotels, industrial installations, meat packing plants, restaurants, schools, supermarkets and warehouses) should be confined to time periods when the plants or facilities are not in operation. Foods should be removed or covered during treatment. All food processing surfaces should be covered during treatment or thoroughly cleaned with potable water before using.

Close windows and doors and shut off ventilating systems. Use a fogger or vaporizer adjusted to deliver an aerosol spray (no droplets over 50 microns in diameter and 80% less than 30 microns). Apply at a rate of 1/2 oz. per 1000 cu. ft. of space. Direct the spray toward the ceiling and upper corners of the area and behind obstructions. Keep the area closed for at least 15 minutes. Vacate the treated area and ventilate before reoccupying. Repeat treatment as necessary.

The above described application will kill accessible exposed stages of Flies, Fleas, (including Fruit Flies), Mosquitoes, Small Flying Moths, Gnats, Wasps, Homots, Clover Mites, Cheese Mites, Cheese Skippers, Boxelder Bugs, Earwigs, Ants, and the following common stored product pests: Granary Weevils, Rice Weevils, Confused Flour Beetles, Sawtoothed Grain Beetles, Spider Beetles, Cigarette Beetles, Drugstore Beetles, Angoumois Grain Moths, Mediterranean Flour Moths, Indianmeal Moths, Tobacco Moths, Yellow Mealworms, Dark Mealworms, Grain Mites, Cermittes and Red Flour Beetles.

DRIED FRUIT PRODUCTS in storage or being processed for control of Confused Flour Beetles, Dried Fruit Beetles, Indianmeal Moths, or Sawtoothed Grain Beetles. Remove and destroy infested products. As noted above, disperse this product as a fine mist in the air above the trays and shelves. Do not apply to fruit directly. Use 1 oz. per 1000 cu. ft. of space. Repeat application at the dosage in any given month. Leave the room closed for 1 hour. Do not remain in treated areas and ventilate area before re-entry. This application will kill accessible exposed stages of Dried Fruit Beetles as well as those pests named above.

STORED FOOD: (Stored in multi-walled bags or in cloth bags) in warehouses, storage rooms, flour mills, grain elevators, granaries, for control of Angoumois Grain Moths, Cadellies, Confused Flour Beetles, Indianmeal Moths, Mediterranean Flour Moths, Rice Weevils, Sawtoothed Grain Beetles, Yellow Mealworms, Cheese Mites, Cheese Skippers, Cigarette Beetles, Grain Mites, Granary Weevils, Dark Mealworms and Red Flour Beetles. Remove and destroy infested products. As noted above, disperse this product, first by directing spray into corners, under pallets and around stacks of packaged foods hitting as many insects as possible and then treat as a space spray. Infested stored products should be fumigated or treated by other effective methods using an approved product intended for this purpose. Use a dosage of 1 fl. oz. per 1000 cu. ft. of room space. Repeat application as necessary for insect control. Leave room closed for 1 hour. Do not remain in treated areas and ventilate area before re-entry. This application will kill accessible, exposed stages of those stored product pests listed above.

INDOOR USE AS A SPACE SPRAY, DILUTED: For use in conventional mechanical logging equipment to kill Flies, Fruit Flies, Mosquitoes, Small Flying Moths and Gnats. Cover or remove exposed food and food handling surfaces. Close room and shut off all air conditioning or ventilating equipment. Dilute 1 part of Pyrenone 25-5 M.A.G.C. plus 49 parts of oil (refined kerosene) and mix well. Apply at the rate of 1-2 fl.oz. per 1000 cu. ft. filling the room with mist. Keep area closed for at least 15 minutes. Vacate treated area and ventilate before reoccupying. Repeat treatment when reinfestation occurs.

SURFACE SPRAY:

To insure maximum control of crawling insects (Ants, Boxelder Bugs, Clover Mites, Cockroaches, Drugstore Beetles, Earwigs, Lice, Spider Beetles) dilute 1 part of Pyrenone 25-5 M.A.G.C. plus 49 parts of oil (refined kerosene) and mix well and apply as a coarse droplet spray using approximately 1 gal. to 750 sq. ft. of surface. Spray walls, floors and other surfaces of bins and storage and handling areas thoroughly, being careful to treat cracks, crevices and similar hiding places. Treat unloading, handling, and processing areas and inside conveying, processing and handling equipment. Spray thoroughly around the bases of heavy machinery and equipment. Spray insects directly when possible.

For in-transit protection, clean and spray truck beds, box cars and ships' holds before loading. Thoroughly treat walls and floors and spray each layer of cartons or containers lightly as stacked.

To control Indianmeal Moth and Angoumois Meal Moth in stored grain, apply to the surface of binned grain at a rate of 1 gallon per 1000 sq. ft. Apply at monthly intervals with the first appearance of moths and continuing until early fall. In case of severe infestation, break up webbing with a rake before spraying and make a second application in 2 weeks.

As an aid in the control of Mosquitoes, Gnats, Wasps and Skippers: Treat walls, ceilings, moldings, screens, door and window frames, light cords and similar resting places.

ANIMAL QUARTER USE: (Cattle Barns, Horse Barns, Poultry Houses, Swine Houses, Zoos) As a space spray diluted for use in conventional mechanical logging equipment to kill Flies, Mosquitoes, Small Flying Moths and Gnats. Dilute 1 part of Pyrenone 25-5 M.A.G.C. plus 49 parts oil (refined kerosene) and mix well. Apply at the rate of 2 fl. oz. per 1000 cu. ft. of space above the animals. Direct spray towards the upper portions of the enclosure, filling the room with mist. Keep area closed for at least 15 minutes. Vacate treated area and ventilate before reoccupying. Repeat treatment when reinfestation occurs.

TEMPORARY REDUCTION OF ANNOYANCE from Flies, Mosquitoes and Small Flying Moths outdoors. The aforementioned application for outdoor ground application will afford temporary reduction of annoyance from these pests in public theaters, golf courses, municipalities, parks, playgrounds and recreational areas. Direct application into tall grass, shrubbery and around lawns where these pests may hover or rest. Apply while air is still. Avoid wetting foliage. Application should be made prior to attendance. Repeat as necessary.

In additional outdoor areas (corrals, feedlots, swine lots and zoos), cover water, drinking fountains and animal feed before use. Fill area with mist directing application into tall grass, shrubbery and around lawns where these pests may hover or rest. Apply while air is still. Avoid wetting foliage. In

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FOR USE ON ANIMALS: To protect beef and dairy cattle, horses and dogs from Fleas, Horn Flies, House Flies, Mosquitoes and Gnats, dilute 1 part of Pyrenone 25-5 M.A.G.C. plus 49 parts oil (refined kerosene) mix well and apply a light mist sufficient to wet the tips of the hair. To control Stable Flies, Horse Flies and Deer Flies on beef and dairy cattle and horses, apply 2 oz. per adult animal, sufficient to wet the hair but not to soak the hide. Repeat treatment once or twice daily or at intervals to give continued protection. To control the mobile stages of Blood Sucking Lice on beef and dairy cattle, apply the spray to thoroughly wet the hair. Use 2 oz. or less per animal and repeat every 2 or 3 weeks as required.

OUTDOOR GROUND APPLICATION, UNDILUTED: To control Adult Mosquitoes, Gnats and Small Flying Moths. For best results, apply when there is a light breeze at approximately 5 miles per hour. Apply from the windward side so the fog will be carried across the area to be treated. Treat shrubbery and vegetation around stagnant pools. Marshy areas and ponds may be treated. Application of this product to any body of water is prohibited. Repeat treatment as required. Using the truck mounted equipment, the objective is to treat the area with .002 to .0025 pounds of pyrethrins and .010 to .0125 pounds of piperonyl butoxide per acre. Pyrenone 25-5 M.A.G.C. should be applied without further dilution. Dispense fog at the following rates depending upon the speed at which the truck is moving:

<u>Truck Speed</u> <u>Miles Per Hour</u>	<u>Flow Rate of PYRENONE 25-5 MAGC</u> <u>Fluid Ounces Per Minute</u>
5	2.1 to 2.6 fluid ounces
10	4.2 to 5.3 fluid ounces

Delivery rate and traveling speeds can be varied slightly so long as the basic objective of .002 to .0025 pounds actual pyrethrins per acre is maintained. Use a swath width of 300 ft. for acreage calculations.

To control mosquito larvae, dilute at the rate of 9 oz. per 50 gals. of oil and apply at the rate of 20 to 25 gals. per acre. Apply as a coarse wetting spray to the border or on shallow water of wet lands, swamps and marshes where mosquito larvae are known to breed.

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

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