

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

16 OCT 1992

Roussel Uclaf Corporation
170 Beaver Brook Road
Lincoln Park, NJ 07035

Attn: Nicole C. Puderbach

Subject: Pyrenone M.A.G.C. 5-1
EPA Registration No. 4816-567
Application dated September 15, 1992

Dear Ms. Puderbach:

The proposed amendment to the registration of the product cited above under The Federal Insecticide, Fungicide, and Rodenticide Act changing the directions for use to clarify dilution directions is acceptable subject to the comment listed below. A stamped copy of the label is enclosed for your records.

- 1) At the next printing 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 washwater."

Sincerely,



Joseph M. Tavano
Acting Product Manager 10
Insecticide & Rodenticide Branch
Registration Division (H7505C)

CONCURRENCES

SYMBOL	H7505C							
SURNAME	Tavano							
DATE	10/13/92							

224

CODE

PYRENONE[®]

M.A.G.C. 5-1*

EPA Reg. No. 4816-567

EPA Est. No. 279-NY-1

For indoor and outdoor applications 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 or U. V Generators, Thermal Fogging Equipment as well as conventional fogging or spraying equipment. Designed for use in all areas of official establishments operating under the Meat, Poultry, Shell Egg Grading and Egg Products Inspection Programs.

INDOOR USE AREAS:

- | | |
|--------------------------|-----------------------|
| Bakeries | Office Buildings |
| Beverage Plants | Railroad Cars |
| Canneries | Restaurants |
| Flour Mills | Schools |
| Food Processing Plants | Ship's Holds |
| Grain Elevators | Storage or Processing |
| Granaries | Areas of Dried Food |
| Homes | Products |
| Hospitals | Surfaces of Bags of |
| Hotels | Stored Food Products |
| Industrial Installations | Supermarkets |
| Meat Packing Plants | Truck Trailers |
| Motels | Warehouses |

OUTDOOR USE AREAS:

- | | |
|----------------------|--------------------|
| Cattle Barns | Milk Rooms |
| Corrals | Parks |
| Dairies | Playgrounds |
| Drive-In Restaurants | Poultry Houses |
| Drive-In Theaters | Recreational Areas |
| Feedlots | Swine Houses |
| Golf Courses | Swine lots |
| Horse Barns | Urban Areas |
| Milking Parlors | Zoos |

ACCEPTED with COMMENTS in EPA Letter P-100

16 OCT 1992

Under the Federal Insecticide, and Rodenticide Act, this product is registered under EPA 4816-567

KEEP OUT OF REACH OF CHILDREN

CAUTION

See side panel for additional precautions.

NET CONTENTS

ROUSSEL UCLAF

P.O. BOX 1077, 400 SYLVAN AVENUE
ENGLEWOOD CLIFFS, NJ 07632

87C 073081F

INGREDIENTS

Pyrethrins	1.0%
*Piperonyl Butoxide	5.0%
**INERT INGREDIENTS	94.0%
	100.0%

*Equivalent to min. 4.0% (butylcarbityl) (6-propylpiperonyl) ether and 1.0% related compounds.

**Contains Petroleum Distillate

PYRENONE-Registered Trademark of Fairfield American Corporation.

DIRECTIONS FOR USE

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

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Do not enter treated areas without protective clothing until sprays have dried.

Pyrenone M.A.G.C. 5-1 effectively controls the following insects when the applicator follows the directions for use as given below.

- | | |
|------------------------|---------------------------|
| Angoumois Grain Moths | Horn Flies |
| Ants | Hornets |
| Boxelder Bugs | Horse Flies |
| Caddises | House Flies |
| Cheese Mites | Indianmeal Moths |
| Cheese Skippers | Lice |
| Cigarette Beetles | Mosquitoes |
| Clover Mites | Mediterranean Flour Moths |
| Confused Flour Beetles | Mushroom Flies |
| Crickets | Red Flour Beetles |
| Dark Mealworms | Rice Weevils |
| Deep Flies | Sawtoothed Grain Beetles |
| Dried Fruit Beetles | Silverfish |
| Drugstore Beetles | Small Flying Moths |
| Earwigs | Spiders |
| Fleas | Spider Beetles |
| Fruit Flies | Stable Flies |
| Fungus Gnats | Tobacco Moths |
| Gnats | Wasps |
| Grain Mites | Yellow Mealworms |

INDOOR USE, 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 before reusing.

SPACE AND CONTACT SPRAY APPLICATION

To control accessible adult stages of:

- | | |
|-------|-----------------|
| Fleas | Cheese Mites |
| Flies | Cheese Skippers |

- Mosquitoes
Small Flying Moths
Wasps
Hornets
Clover Mites
Silverfish
and the following common:
Granary Weevils
Rice Weevils
Confused Flour Beetles
Sawtoothed Grain Beetles
Spider Beetles
Cigarette Beetles
Drugstore Beetles
Angoumois Grain Moths

Close doors and windows and use aerosol generator or a fogger over 50 microns in diameter first into all cracks and crevices or dark harborage impingement on the insect towards the ceiling and up walls. Apply at a rate of 1 gallon per 1000 sq ft. Close for at least one hour before reoccupying. Repeat treatment as necessary.

TREATMENT OF STORED FOODS

Foods in multi-walled bags, rooms, flour mills, grain elevators. To control accessible adult stages of:

- Angoumois Grain Moths
Caddises
Confused Flour beetles
Indianmeal Moths
Mediterranean Flour Moths
Rice Weevils
Sawtoothed Grain Beetles
Yellow Mealworms

Infested stored products should be treated by the most effective methods using any of the methods noted above, disperse Pyrenone in cracks and crevices, corners, etc. - hitting as many insects as possible. Dosage per 100 sq ft as necessary for insect control. Do not remain in the area for more than 1 hour.

INDOOR

SPACE SPRAY APPLICATION
equipment.
To control accessible stages of:
Flies
Fruit Flies

3 4
 Cover or remove exposed food and cover food handling surfaces in edible product areas of food handling establishments. Close room and shut off air conditioning or ventilating equipment. Mix 13 ounces of Pyrethrin M.A.G.C. 5-1 with 115 ounces of a suitable deodorized petroleum solvent (such as Exxon Isopar M, Ashland Low Odor Base Solvent or any high purity odorless mineral spirits) to equal 1 gallon of diluted spray. Apply at the rate of 1-2 fluid ounces per 1000 cubic feet, filling the room with mist. For use in Thermal Fogging Equipment mix 21.5 ounces of Pyrethrin M.A.G.C. 5-1 with sufficient oil to equal 1 gallon of diluted spray. Apply at the rate of 1-2 fluid ounces per 1000 cubic feet, filling the room with fog. Keep area closed for at least 15 minutes. Vacate treated area and ventilate before reoccupying. Repeat treatment if reinfestation occurs. Do not apply while food processing is underway.

IN MUSHROOM PRODUCTION AND PROCESSING:

To control: *Mushroom Flies Fungus Gnats*

Mix 13 ounces of Pyrethrin M.A.G.C. 5-1 with sufficient oil to equal 1 gallon of diluted spray. Apply in growing houses at 1 ounce per 1000 cubic feet of space. Fogger should be operated 8 to 10 feet away from beds and directed slightly upwards over them. Circulating fans should be left in operation, but for best results, refrigerators should be turned off. In processing plants, use at a rate of 1 ounce to 2000 cubic feet of space.

SURFACE SPRAY APPLICATION

To control accessible stages of:

<i>Ants</i>	<i>Lice</i>
<i>Boxelder Bugs</i>	<i>Spider Beetles</i>
<i>Clover Mites</i>	<i>Cockroaches</i>
<i>Drugstore Beetles</i>	<i>Crickets</i>
<i>Earwigs</i>	<i>Silverfish</i>
<i>Fleas</i>	

Mix 13 ounces of Pyrethrin M.A.G.C. 5-1 with 115 ounces of a suitable deodorized petroleum solvent (such as Exxon Isopar M, Ashland Low Odor Base Solvent or any high purity odorless mineral spirits) to equal 1 gallon of diluted spray. Apply as a coarse droplet spray using approximately 1 gallon to 750 square feet of space. Spray walls, floors and other surfaces of bins and storage and handling areas thoroughly, being especially 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 base of heavy machinery and equipment. Spray insects directly when possible. In Federally inspected meat and poultry plants, food processing operations must be stopped. Application should be repeated in two weeks to kill newly hatched insects (i.e., *Lice* and *Cockroaches*).

FOR IN-TRANSIT PROTECTION: Clean and spray truck beds, boxcars, and ships' holds before loading. Thoroughly treat walls and floors and spray each layer of cartons or containers lightly as stacked.

TREATMENT OF STORED GRAIN

To control accessible adult stages of:

Indianmeal Moths Angoumois Grain Moths

Apply to the surface of binned grain at a rate of 1 gallon per 1000 square feet. Apply at monthly intervals with the first appearance of moths and continue until early fall. In severe infestations, break up webbing with a rake before spraying, and make a second application in two weeks.

TREATMENT OF FLYING INSECTS' RESTING PLACES

To aid in the control of:

Mosquitoes Gnats
Wasps Skippers

Treat walls, ceilings, moldings, screens, door frames, window frames, light cords and similar resting places with the above dilution of Pyrethrin M.A.G.C. 5-1.

OUTDOOR APPLICATION: UNDILUTED

To control: *Mosquitoes Small Flying Moths Gnats*

For best results, use truck mounted equipment and apply when there is a light breeze of approximately 5 miles per hour. Spray from the windward side so the fog will be carried across the area to be treated. Treat shrubbery and vegetation where mosquitoes may rest, particularly stagnant pools, marshy areas, shore lines and ponds. However, application of this undiluted product to any body of water is prohibited. Repeat treatment as required.

Disperse the Pyrethrin M.A.G.C. 5-1 at the following flow rates:

Truck Speed (Miles Per Hour)	Flow Rate (Fluid Ounces Per Minute)
5	12-15
10	24-30

Delivery rates and traveling speeds can be varied so long as the basic objective of 0.002 to 0.0025 pounds of actual pyrethrins per acre is maintained. Use a swath width of 300 feet for acreage calculations.

FOR TEMPORARY REDUCTION OF ANNOYANCE

From: *Flies Mosquitoes Gnats*

In drive-in restaurants, drive-in theaters, golf courses, urban areas, parks, playgrounds and other recreational areas, 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 use. Repeat as necessary.

In the treatment of corrals, feedlots, swine lots and zoos, cover any exposed water, drinking fountains and animal feed bins 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, avoid exposure of reptiles to the product. Repeat as necessary.

OUTDOOR APPLICATION: DILUTED

TO CONTROL MOSQUITO LARVAE: Mix 48 ounces of Pyrethrin M.A.G.C. 5-1 with sufficient oil to equal 50 gallons of diluted spray. Apply 20 to 25 gallons per acre. Apply as a coarse wetting spray to the border or on the shallow water of wetlands, swamps and marshes known to be infested with *Mosquito Larvae*.

ANIMAL QUARTER USE (Cattle Barns, Horse Barns, Poultry Houses, Swine Houses, Zoos, Milking Parlors, Milkrooms and Dairies):

As a space spray, diluted, for use in conventional mechanical fogging or spraying equipment. To control *Flies, Small Flying Moths, Mosquitoes, Fleas* and *Gnats*.

Mix 13 ounces of Pyrethrin M.A.G.C. 5-1 with sufficient oil to equal 1 gallon of diluted spray. Apply at the rate of 2 ounces per 1000 cubic feet of space above the animals. Direct the 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 if reinfestation occurs.

FOR USE ON ANIMALS

To protect against: *Horn Flies, Mosquitoes, Fleas, House Flies* and *Gnats*

Mix 13 ounces of Pyrethrin M.A.G.C. 5-1 with sufficient oil to equal 1 gallon of diluted spray. Apply a light mist sufficient to wet the tips of the hair on beef and dairy cattle, horses and dogs.

To protect against: *Stable Flies, Deer Flies, Horse Flies*

Apply the above dilution at 2 ounces per adult beef cattle, dairy cattle, and horses to sufficiently wet the hair, but not to soak the hide. Repeat this application once or twice daily or as needed to give continued protection.

To control the mobile stages of *Blood-sucking Lice* on beef and dairy cattle, apply the diluted spray to thoroughly wet the hair. Use 2 ounces or less per animal and repeat every 2 to 3 weeks as required.

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 also 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.

CONTAINERS ONE GALLON AND SMALLER: Do not reuse container. Wrap container in several layers of newspaper and discard in trash.

STATEMENT OF PRACTICAL TREATMENT

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

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

IF ON SKIN: Remove contaminated clothing and wash affected areas of skin with soap and water.

IF IN EYES: Flush with plenty of water. Contact a physician if irritation persists.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS CAUTION

Harmful if swallowed. Remove pets, birds and cover fish aquaria before spraying. Do not breathe the spray mist. Wear 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.

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4
4

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. Food processing surfaces and equipment must be covered during treatment or cleaned with a suitable detergent and rinsed with potable water before reuse.

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. Do not apply directly to water. Do not apply where runoff is likely to occur. 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 crabs may be killed at application rates recommended on this label. Do not apply where these are important resources.

Buyer assumes all risks of use, storage or handling of this product not in strict accordance with the directions given herewith.