

**PYRENONE®**

**M.A.G.C. 12.5 - 2.5**

- \* FOR USE BY TRAINED PERSONNEL ONLY
- \* To be applied only by or under supervision of Pest Control Operators, members of Mosquito Abatement Districts or 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) or Thermal Fogging Equipment as well as conventional fogging or spraying equipment.

**ACTIVE INGREDIENTS:**

Pyrethrins	2.5%
*Piperonyl Butoxide, Technical	12.5%
<b>ERT INGREDIENTS:</b>	<b>85.0%</b>
	100.0%

\*Equivalent to 10% (butylcarbityl) (6-propylpiperonyl) ether and 2.5% related compounds.  
 †Contains Petroleum Distillate.

PYRENONE - Registered Trademark of Roussel Uclaf Corporation

EPA Reg. No. 4816-570

EPA Est. No.

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

**STATEMENT OF PRACTICAL TREATMENT**

**Swallowed:** Call a physician or Poison Control Center immediately. Gastric lavage is indicated if material was taken internally. DO NOT INDUCE VOMITING: vomiting may cause aspiration pneumonia.  
**If Inhaled:** Remove victim to fresh air. Apply artificial respiration if indicated.  
**If on Skin:** Remove contaminated clothing and wash affected areas with soap and water.  
**If in Eyes:** Flush eyes with plenty of water. Get medical attention if irritation persists.

See Side Panel for Additional Precautionary Statements

NET CONTENTS: \_\_\_\_\_

Roussel Uclaf Corporation  
 95 Chestnut Ridge Road  
 Montvale, NJ 07645

ACCEPTED  
 with COMMENTS  
 In EPA Letter Dated

**AUG 24 1994**

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

**4816-570**

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

Harmful if swallowed. Do not pour or spill near open flame. Remove pets, birds and cover fish aquaria before spraying. Do not breathe 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.

Do not apply directly to food. Do not apply space spray while food processing is underway. Foods should be removed or covered before treatment. Thoroughly wash all food processing surfaces before reuse. In food processing plants and Federally inspected meat and poultry plants, all surfaces in processing areas must be washed and rinsed in potable water after spraying. Except in Federally inspected meat and poultry plants, food processing operations do not have to be stopped while applying a wet spray with care and in accordance with the directions given herewith.

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 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.

**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.

**CONTAINERS ONE GALLON AND SMALLER:**

Do not reuse container. Wrap container in several layers of newspaper and discard in trash.

**DIRECTIONS FOR USE**

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

**INDOOR USE AREAS:**

- |                          |  |
|--------------------------|--|
| Bakeries                 | Motels   |
| Beverage Plants          | Office Buildings                                   |
| Canneries                | Poultry Houses                                     |
| Cattle Barns             | Railroad Cars                                      |
| Dried Food Products      | Homes  |
| in Storage or Processing | Schools  |
| Flour Mills              | Stored Food in Multi-Walled<br>Paper or Cloth Bags |
| Food Processing Plants   | Supermarkets                                       |
| Grain Elevators          | Swine Houses                                       |
| Granaries                | Truck Trailers                                     |
| HorseBarns               | Warehouses   |
| Hospitals                | Ships' Holds                                       |
| Hotels                   | Zoos   |
| Industrial Installations | Restaurants  |
| Meat Packing Plants      |  |

**OUTDOOR USE AREAS:**

- |                      |                    |
|----------------------|--------------------|
| Corrals              | Playgrounds        |
| Drive-in Restaurants | Recreational Areas |
| Drive-in Theaters    | Swine Yards        |
| Feedlots             | Urban Areas        |
| Golf Courses         | Zoos               |
| Parks                |                    |

Pyrenone M.A.G.C. 12.5 - 2.5 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               |
| Cadellles              | House Flies               |
| Cheese Mites           | Indian Meal Moths         |
| Cheese Skippers        | Lice                      |
| Cigarette Beetles      | Mosquitoes                |
| Clover Mites           | Mediterranean Flour Moths |
| Cockroaches (German)   | Red Flour Beetles         |
| Confused Flour Beetles | Rice Weevils              |
| Crickets               | Sawtoothed Grain Beetles  |
| Dark Mealworms         | Silverfish                |
| Deer Flies             | Small Flying Moths        |
| Dried Fruit Beetles    | Spiders                   |
| Drugstore Beetles      | Spider Beetles            |
| Flies                  | Stable Flies              |
| Fruit Flies            | Tobacco Moths             |
| Grain Mites            | Wasps                     |
| Granary Weevils        | Yellow Mealworms          |

**INDOOR USE, UNDILUTED**

The use of this product in food processing or food handling establishments (bakeries, beverage plants, canneries, food processing plant, 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:

- |                      |                    |
|----------------------|--------------------|
| Ants                 | Fleas              |
| Boxelder Bugs        | Flies              |
| Cheese Mites         | Fruit Flies        |
| Cheese Skippers      | Hornets            |
| Clover Mites         | Mosquitoes         |
| Cockroaches (German) | Silverfish         |
| Crickets             | Small Flying Moths |
| Earwigs              | Wasps              |

and the following common stored product pests:

- |                        |                           |
|------------------------|---------------------------|
| Angoumois Grain Moths  | Indian Meal Moths         |
| Cadellles              | Mediterranean Flour Moths |
| Cigarette Beetles      | Red Flour Beetles         |
| Confused Flour Beetles | Rice Weevils              |
| Dark Mealworms         | Sawtoothed Grain Beetles  |
| Drugstore Beetles      | Spider Beetles            |
| Grain Mites            | Tobacco Moths             |
| Granary Weevils        | Yellow Mealworms          |

Close doors and windows and shut off ventilating systems. Use a mechanical aerosol generator or a fogger adjusted to deliver aerosol droplets (30 microns or less). Direct the spray first into all cracks and crevices, behind all equipment, cupboards, obstructions or dark harborage areas to provide maximum penetration and impingement on the insects. Then treat as a space spray, directing the spray towards the ceiling and upper corners of the area and behind any obstructions, apply at a rate of 0.4 ounces per 1000 cubic feet of space. Keep area closed for at least one hour. Vacate treated area and ventilate before reoccupying. Repeat treatment as necessary.

**TREATMENT OF STORED FOOD AREAS**

Foods in multi-walled bags or in cloth bags stored in warehouses, storage rooms, flour mills, grain elevators and granaries.

To control accessible adult stages of:

- |                        |                           |
|------------------------|---------------------------|
| Angoumois Grain Moths  | Grain Mites               |
| Cadellles              | Granary Weevils           |
| Cheese Mites           | Indian Meal Moths         |
| Cheese Skippers        | Mediterranean Flour Moths |
| Cigarette Beetles      | Red Flour Beetles         |
| Confused Flour Beetles | Rice Weevils              |
| Dark Mealworms         | Sawtoothed Grain Beetles  |
| German Cockroaches     | Yellow Mealworms          |

Infested stored products should be destroyed, fumigated or treated by other effective methods using an approved product intended for this purpose. As noted above, disperse Pyrenone M.A.G.C. 12.5 - 2.5 first by directing spray into cracks and crevices, corners, under pallets and around stacks of packaged goods - hitting as many insects as possible and then apply as a space spray at a dosage of 2.5 ounces per 1000 cubic feet of room space. Repeat application as necessary for insect control. Leave the treated areas closed for one hour. Do not remain in the treated area and ventilate before reentry.

**INDOOR USE, DILUTED**

**SPACE SPRAY APPLICATION:** For use in mechanical fogging or spraying equipment to control accessible stages of:

- |             |                    |
|-------------|--------------------|
| Flies       | Mosquitoes         |
| Fruit Flies | Small Flying Moths |
| Gnats       |                    |

Cover or remove exposed food and cover food handling surfaces in edible product areas of food handling establishments. Close rooms and shut off air conditioning or ventilating equipment. Mix 6 ounces of Pyrenone M.A.G.C. 12.5 - 2.5 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 mist. For use in Thermal Fogging Equipment, mix 8.5 ounces of Pyrenone M.A.G.C. 12.5 - 2.5 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.

**ANIMAL QUARTER USE** (Cattle barns, horse barns, poultry houses, swine houses, zoos): As a space spray, diluted for use in conventional fogging or spraying equipment.

- |             |       |                    |
|-------------|-------|--------------------|
| To control: | Fleas | Mosquitoes         |
|             | Flies | Small Flying Moths |
|             | Gnats |                    |

Mix 2.56 ounces of Pyrenone M.A.G.C. 12.5 - 2.5 with sufficient oil to equal one gallon of diluted spray. Apply at the rate of 2 ounces per 1000 cubic feet 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 if reinfestation occurs.

**SURFACE SPRAY APPLICATION**

To control accessible stages of:

Ants	Fleas
Boxelder Bugs	German Cockroaches
Clover Mites	Lice
Crickets	Silverfish
Drugstore Beetles	Spider Beetles
Earwigs	

Mix 6 ounces of Pyrenone M.A.G.C. 12.5 - 2.5 with sufficient oil to equal one gallon of diluted spray. Apply as a coarse droplet spray using approximately one 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.

**FOR IN-TRANSIT PROTECTION:** Clean and spray truck beds, boxcar, 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:

Meal 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
Small Flying Moths	

Treat walls, ceilings, moldings, screens, door frames, window frames, beams, light cords and similar resting places with the above dilution of M.A.G.C. 12.5 - 2.5.

**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 Pyrenone M.A.G.C. 12.5 - 2.5 at the following flow rates:

Truck Speed (Miles Per Hour)	Flow Rate (Fluid Ounces Per Minute)
5	5 to 6
10	9.5 to 11.5

Delivery rates and traveling speeds can be varied slightly so long as the basic objective of 0.002 to 0.0025 pounds 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 theaters, drive-in restaurants, 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 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 18 ounces of Pyrenone M.A.G.C. 12.5 - 2.5 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.

**FOR USE ON ANIMALS**

To protect against:	Horn Flies	House Flies
	Fleas	Gnats
	Mosquitoes	

Mix 6 ounces of Pyrenone M.A.G.C. 12.5 - 2.5 with sufficient oil to equal one 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	Horse Flies
	Deer Flies	

Apply the above dilution at two 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 motile 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.

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