

CODE 720.00

**Pyrenone**®

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

BEST DOCUMENT AVAILABLE

For trained personnel only  
To be applied only by or under the 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) as well as conventional fogging or spraying equipment.

**INDOOR USE AREAS:**

- |                          |                       |
|--------------------------|-----------------------|
| Bakeries                 | Hotels                |
| 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- |
| Food Processing Plants   | Walled Paper or       |
| Grain Elevators          | Cloth Bags            |
| Granaries                | Supermarkets          |
| Horse Barns              | Swine Houses          |
| Hospitals                | Truck Trailers        |
| Hotels                   | Warehouses            |
| Industrial Installations | Ships' Holds          |
| Meat Packing Plants      | Zoos                  |
| .....                    | Restaurants           |

**OUTDOOR USE AREAS:**

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

**ACTIVE INGREDIENTS:**

- Pyrethrins ..... 1.0%
- Piperonyl Butoxide ..... 5.0%
- Petroleum Distillate ..... 94.0%

100.0%

Equivalent to 4.0% (butylcarbityl)(6-propyl-piperonyl) ether and 1.0% related compounds

PYRENONE - Registered trademark of Fairfield American Corporation

EPA Reg. No. 4816-567

EPA Est. No. 279-NY-1

NET CONTENTS \_\_\_\_\_ GALLONS

NET CONTENTS \_\_\_\_\_ LITERS

NET CONTENTS \_\_\_\_\_ POUNDS

NET CONTENTS \_\_\_\_\_ KILOS

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

See side panel for use cautions.

**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. After spraying in meat packing plants, bakeries and food processing plants, wash with potable water, all equipment benches, shelving, etc. where exposed food will be handled. If washing is impractical, do not allow food to come in contact with treated surfaces for at least 48 hours. Food processing operations do not have to be stopped while applying a wet spray with care and in accordance with the directions and cautions given above.

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. Keep out of lakes, streams, ponds, tidal marshes and estuaries. 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.

**DIRECTIONS FOR USE**

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

**STORAGE AND DISPOSAL**

Do not reuse empty container. Wrap container and put in trash collection.

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

- |                        |                          |
|------------------------|--------------------------|
| Angoumois Grain Moth   | Horn Flies               |
| Ants                   | Hornets                  |
| Boxelder Bugs          | Horse Flies              |
| Caddises               | House Flies              |
| Cheese Mites           | Indian Meal Moths        |
| Cheese Skippers        | Lice                     |
| Cigarette Beetles      | Mosquitoes               |
| Clover Mites           | Mediterranean Flour      |
| Cockroaches (German)   | Moth                     |
| Confused Flour Beetles | Mushroom Flies           |
| Crickets               | Red Flour Beetles        |
| Dark Mealworms         | Rice Weevils             |
| Deer Flies             | Sawtoothed Grain Beetles |
| Dried Fruit Beetles    | Silverfish               |
| Drugstore Beetle       | Small Flying Moths       |
| Earwigs                | Spiders                  |
| Fruit Flies            | Spider Beetles           |
| Fungus Gnats           | Stable Flies             |
| Gnats                  | Tobacco Moths            |
| Grain Mites            | Wasps                    |
| Granary Weevils        | Yellow Mealworms         |

**INDOOR USE, UNDILUTED**

The use of this product in inedible and non-processing areas 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.

SEE REVERSE SIDE

720.00

**Pyrenone**®

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

BEST DOCUMENT AVAILABLE

ACCEPTED  
JAN 20 1980  
4816-507

Personnel only  
Apply by or under the supervision of Control Operators, members of Health Districts or Public Health and other Trained Personnel in Insect Control Programs for indoor application as a space spray. Dependent upon pests and the area to be treated, through Mechanical Aerosol as well as conventional spraying equipment.

- Hotels
- Office Buildings
- Poultry Houses
- Railroad Cars
- Homes
- Schools
- Stored Food in Multi-Walled Paper or Cloth Bags
- Supermarkets
- Swine Houses
- Truck Trailers
- Warehouses
- Ships' Holds
- Zoos
- Restaurants
- Playgrounds
- Recreational Areas
- Swine Yards
- Urban Areas
- Zoos

- 1.0%
- 5.0%
- 94.0%
- 100.0%

4.0% (butylcarbityl)(6-propyl) and 1.0% related compounds  
Registered trademark of Fairfield American Corporation

- 5 GALLONS
- 5 LITERS
- 5 POUNDS
- 5 KILOS

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**  
See side panel for use cautions.

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

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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. After spraying in meat packing plants, bakeries and food processing plants, wash with potable water, all equipment benches, shelving, etc. where exposed food will be handled. If washing is impractical, do not allow food to come in contact with treated surfaces for at least 48 hours. Food processing operations do not have to be stopped while applying a wet spray with care and in accordance with the directions and cautions given above.

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. Keep out of lakes, streams, ponds, tidal marshes and estuaries. 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.

**DIRECTIONS FOR USE**

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**STORAGE AND DISPOSAL**  
Do not reuse empty container. Wrap container and put in trash collection.

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

- |                        |                          |
|------------------------|--------------------------|
| Angoumois Grain Moth   | Horn Flies               |
| Ants                   | Hornets                  |
| Boxelder Bugs          | Horse Flies              |
| Caddisflies            | House Flies              |
| Cheese Mites           | Indian Meal Moths        |
| Cheese Skippers        | Lice                     |
| Cigarette Beetles      | Mosquitoes               |
| Clover Mites           | Mediterranean Flour Moth |
| Cockroaches (German)   | Mushroom Flies           |
| Confused Flour Beetles | Red Flour Beetles        |
| Crickets               | Rice Weevils             |
| Dark Mealworms         | Sawtoothed Grain Beetles |
| Deer Flies             | Silverfish               |
| Dried Fruit Beetles    | Small Flying Moths       |
| Drugstore Beetle       | Spiders                  |
| Earwigs                | Spider Beetles           |
| Fruit Flies            | Stable Flies             |
| Fungus Gnats           | Tobacco Moths            |
| Gnats                  | Wasps                    |
| Grain Mites            | Yellow Mealworms         |
| Grain Weevils          |                          |

**INDOOR USE, UNDILUTED**

The use of this product in inedible and non-processing areas 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.

SEE REVERSE SIDE

**FAIRFIELD AMERICAN CORPORATION**  
3932 Salt Road  
Medina, New York 14103

#### SPACE AND CONTACT SPRAY APPLICATION

To control accessible adult stages of:

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

and the following common stored product pests:

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

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 1 ounce per 1000 cubic feet of space. Keep area closed for at least one hour. Vacate treated area and ventilate before re-occupying. 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 moth	Cheese mites
Cadellles	Cheese skippers
Confused flour beetles	Cigarette beetles
Indian meal moths	Grain mites
Mediterranean flour moths	Granary weevils
Rice weevils	Dark mealworms
Sawtoothed grain beetles	German cockroaches
Yellow mealworms	Red flour beetles

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. 5-1 first by directing spray into cracks and crevices, corners, pallets and around stacks of packaged goods - hitting as many insects as possible and then apply as a space spray at

dosage of 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 re-entry.

#### INDOOR USE: DILUTED

SPACE SPRAY APPLICATION: For use in mechanical fogging or spraying equipment.

To control accessible stages of:

Flies	Mosquitoes	Small Flying Moths
Fruit Flies	Gnats	

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 Pyrenone M.A.G.C. 5-1 with sufficient oil to equal one gallon of diluted spray. Apply at the rate of 1-2 fluid ounces per 1000 cubic feet, 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.

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

To control: Flies Mosquitoes  
Small Flying Moths Gnats

Mix 13 ounces of Pyrenone M.A.G.C. 5-1 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.

#### IN MUSHROOM PRODUCTION AND PROCESSING:

To control: Mushroom Flies Fungus Gnats

Mix 13 ounces of Pyrenone M.A.G.C. 5-1 with sufficient oil to equal one 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 one ounce to 2000 cubic feet of space.

#### SURFACE SPRAY APPLICATION

To control accessible stages of:

Ants	Lice
Boxelder bugs	Spider beetles
Clover Mites	German cockroaches
Drugstore beetles	Crickets
Earwigs	Silverfish

Mix 13 ounces of Pyrenone M.A.G.C. 5-1 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 area and inside conveying, processing and handling equipment. Spray thoroughly around the base of heavy machinery and equipment. Spray insect directly when possible.

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 container lightly as stacked.

#### TREATMENT OF STORED GRAIN

To control accessible adult stages of:

Indian meal moth	Angoumois grain moth
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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, beams, light cords and similar resting places with the above dilution of M.A.G.C. 5-1.

#### OUTDOOR APPLICATION, UNDILUTED

To control: Mosquitoes Small Flying moth  
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 shrubber and vegetation where mosquitoes may rest, particularly stagnant pools, marshy areas, shoals and ponds. However, application of undiluted product to any body of water is prohibited. Repeat treatment as required.

SEE NEXT PAGE

**SPRAY APPLICATION**

Control adult stages of:

- Cheese Mites
- Cheese Skippers
- Boxelder Bugs
- Earwigs
- Ants
- Cockroaches (German)
- Crickets
- Silverfish

Common stored product pests:

- Mediterranean Flour Moths
- Indian Meal Moths
- Tobacco Moths
- Yellow Mealworms
- Dark Mealworms
- Grain Mites
- Red Flour Beetles
- Cadellles

Close windows and shut off ventilation. Use a mechanical aerosol fogger adjusted to deliver 30 microns or less. Direct fog to all cracks and crevices, under doors, cupboards, obstructions, and areas to provide maximum impingement on the insects. Use space spray, directing the fog to ceiling and upper corners behind any obstructions, apply at a rate of 1 ounce per 1000 cubic feet of space. Close room for at least one hour. Open windows and ventilate before re-treatment as necessary.

**INDOOR FOOD AREAS**

Treat stored bags or in cloth bags, storage rooms, flour elevators and granaries.

Control adult stages of:

- Cheese mites
- Cheese skippers
- Cigarette beetles
- Grain mites
- Granary weevils
- Dark mealworms
- German cockroaches
- Red flour beetles

Infested products should be destroyed, or treated by other effective method. If product intended for this use, above, disperse Pyrenone M.A.G.C. by directing spray into cracks, crevices, pallets and around stacks - hitting as many insects as possible. Apply as a space spray at

dosage of 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 re-entry.

**INDOOR USE: DILUTED**

**SPACE SPRAY APPLICATION:** For use in mechanical fogging or spraying equipment.

To control accessible stages of:

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

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 Pyrenone M.A.G.C. 5-1 with sufficient oil to equal one gallon of diluted spray. Apply at the rate of 1-2 fluid ounces per 1000 cubic feet, filling the room with mist. Keep area closed for at least 15 minutes. Vacate treated area and ventilate before reoccupying. Repeat treatment if re-infestation occurs.

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

To control: Flies Mosquitoes Small Flying Moths Gnats

Mix 13 ounces of Pyrenone M.A.G.C. 5-1 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.

**IN MUSHROOM PRODUCTION AND PROCESSING:**

To control: Mushroom Flies Fungus Gnats

Mix 13 ounces of Pyrenone M.A.G.C. 5-1 with sufficient oil to equal one 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 one ounce to 2000 cubic feet of space.

**SURFACE SPRAY APPLICATION**

To control accessible stages of:

- Ants
- Boxelder bugs
- Clover Mites
- Drugstore beetles
- Earwigs
- Lice
- Spider beetles
- German cockroaches
- Crickets
- Silverfish

Mix 13 ounces of Pyrenone M.A.G.C. 5-1 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, 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: Indian meal moth Angoumois grain moth

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
  - Wasps
  - Gnats
  - Skippers
- 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. 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, shoals, lines and ponds. However, application of undiluted product to any body of water is prohibited. Repeat treatment as required.

Code 720.00 Pyrenone® M.A.G.C. 5-1 Continued

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

Truck Speed (Miles Per Hour)	Flow Rate (Fluid Ounces Per Minute)
5	10 - 10.5
10	21 - 21.5

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 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 feet 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 Pyrenone M.A.G.C. 5-1 with sufficient oil to equal 500 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 Mouse Flies  
Mosquitoes Gnats

Mix 13 ounces of Pyrenone M.A.G.C. 5-1 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 stages of blood sucking lice on beef and dairy cattle, apply the dilute spray to thoroughly wet the hair. Use 2 ounces or less per animal and repeat every 2 to 3 weeks as required.

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

BEST DOCUMENT AVAILABLE

BATCH

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