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# Pyrenone<sup>®</sup> 25-5 M.A.G.C.

EPA Reg. No. 4816-514

EPA Est. No. 279-NY-1

For Use By Trained Personnel Only.

## DIRECTIONS FOR USE

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.

### SPACE AND/OR CONTACT USE AREAS

Bakeries	Homes	Railroad Cars
Beverage Plants	Horse Barns	Restaurants
Canneries	Hospitals	Schools
Cattle Barns	Hotels	Stored Food in Multi-wall paper or cloth bags
Dried Food Products in storage or processing	Industrial Installations	Supermarkets
Flour Mills	Meat Packing Plants	Swine Houses
Food Processing Plants	Motels	Truck Trailers
Grain Elevators	Office Buildings	Warehouses
Granaries	Zoos	
	Poultry Houses	
Corrals	OUTDOOR USE AREAS	Recreational Areas
Drive-in Restaurants	Golf Courses	Amusement Parks
Drive-in Theaters	Municipalities	Swine Yards
Feedlots	Parks	Zoos
	Playgrounds	

### ACTIVE INGREDIENTS:

Pyrethrins.....	5%
*Piperonyl Butoxide, Technical.....	25%
Petroleum Distillate.....	70%
	100%

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

PYRENONE - Registered Trademark of Fairfield American Corporation

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

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

Angoumois grain moth	Earwigs	Mosquitoes
Ants	Fruit flies	Mushroom flies
Boxelder bugs	Fungus gnats	Red flour beetles
Cadellies	Gnats	Rice weevils
Cheese mites	Grain mites	Saw-toothed grain beetles
Cheese skippers	Granary weevils	Small flying moths
Cigarette beetles	Horn flies	Spider beetles
Clover mites	Horriots	Stable flies
Confused flour beetles	Horse flies	Tobacco moths
Dark mealworms	House flies	Wasps
Deer flies	Indian meal moths	Yellow mealworms
Dried fruit beetles	Lice	
Drugstore beetles	Mediterranean flour moths	

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 re-occupying. Repeat treatment as necessary.

The above described application will kill accessible exposed stages of flies, (including fruit flies) mosquitoes, small flying moths, gnats, wasps, hornets, clover mites, cheese mites, cheese skippers, boxelder bugs, earwigs, ants, and the following common stored product pests: granary weevils, rice weevils, confused flour beetles, saw-toothed grain beetles, spider beetles, cigarette beetles, drugstore beetles, Angoumois grain moths, Mediterranean flour moths, Indian meal moths, tobacco moths, yellow mealworms, dark mealworms, grain mites, cadellies and red flour beetles.

DRIED FRUIT PRODUCTS in storage or being processed for control of confused flour beetles, dried fruit beetles, indian meal moths, saw-toothed 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 this 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.

KEEP OUT OF REACH OF CHILDREN  
CAUTION

See rear panel for additional precautions.

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SEE REVERSE SIDE

FAIRFIELD  
AMERICAN  
CORPORATION  
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**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, Indian meal moths, Mediterranean flour moths, rice weevils, saw-toothed grain beetles, yellow mealworms, cheese mites, cheese skippers, cigarette beetles, grain mites, granary weevils, dark mealworms, 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 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 those stored product pests listed above.

**INDOOR USE AS A SPACE SPRAY, DILUTED:** For use in conventional mechanical fogging equipment, to kill flies, fruit flies, mosquitoes, small flying moths and 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. Dilute 1 part of Pyrethron 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. For use in Thermal Fogging Equipment mix 4 ounces of Pyrethron 25-5 M.A.G.C. with sufficient oil to equal 1 gallon of diluted spray. Apply at the rate of 1-2 fl.oz. per 1000 cu.ft., 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 under way.

**SURFACE SPRAY:** To insure maximum control of crawling insects (ants, boxelder bugs, clover mites, drugstore beetles, earwigs, lice, spider beetles) dilute 1 part of Pyrethron 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 ship's hold before loading. Thoroughly treat walls and floors and spray each layer of cartons or containers lightly as stacked.

To control Indian meal moth and Angoumois meal moth in stored grain, apply to the surface of binned grain at a rate of 1 gal. 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 skip-pers: 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 fogging equipment to kill flies, mosquitoes, small flying moths and gnats. Dilute 1 part of Pyrethron 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 necessary.

**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 zoos, avoid exposure of reptiles to the product. Repeat as necessary.

**FOR USE ON ANIMALS:** To protect beef and dairy cattle, horses and dogs from horn flies, house flies, mosquitoes and gnats, dilute 1 part of Pyrethron 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 to 3 weeks as required. **IN MUSHROOM PRODUCTION AND PROCESSING:** To control mushroom flies or fungus gnats in growing houses, dilute 1 part of Pyrethron 25-5 M.A.G.C. plus 49 parts of oil (refined kerosene) mix well and apply at a rate of 1 oz. per 1000 cu.ft. of space. Fogger should be operated 8 to 10 ft. away from beds and directed slightly upward over them. Circulating fans should be left in operation, but for best results, refrigeration should be turned off. In packing and canning plants, use at a rate of 1 oz. to 2000 cu.ft. of space.

**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 truck-mounted equipment, the objective is to treat the area with .002 to .0025 pounds of pyrethrins and .010 to .0025 pounds of piperonyl butoxide per acre.

PYRETHRON 25-5 M.A.G.C. should be applied without further dilution. Dispense fog at the following flow rates depending upon the speed at which the truck is moving:

Truck Speed Miles Per Hour	Flow Rate of PYRETHRON 25-5 M.A.G.C. Fluid Ounces Per Minute
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.

## 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.

### 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 and rinsed in 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.

#### 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.  
Or On Skin: Contact a physician if irritation persists.

#### ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to lakes, streams, tidal marshes or estuaries. 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.

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

