

Code 720.25

PYRENONE[®] 25-5 M.A.G. C

EPA REG. NO. 4816-514

EPA EST. NO. 279-NY-1

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

Outdoor Use Areas:

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

ACTIVE INGREDIENTS:

Pyrethrins	5%
*Piperonyl Butoxide, Technical	25%
Petroleum Distillate	70%
	<u>100%</u>

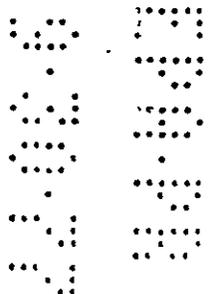
*Equivalent to 20% (butylcarbityl)(6-propylpiperonyl) ether and 5% related compounds

PYRENONE - Registered trademark of Fairfield American Corporation

CAUTION
KEEP OUT OF REACH OF CHILDREN

See back-panel for use and disposal cautions

FAIRFIELD AMERICAN CORPORATION
100 Niagara Street
Middleport, New York 14105



DIRECTIONS FOR USE

Pyrenone 25-5 H.A.G. C effectively controls the following insects when the applicator follows the directions for use as given below:

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

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.

SPACE AND CONTACT SPRAY APPLICATION

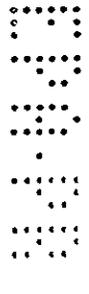
To control accessible exposed adult stages of:

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

and the following common stored product pests:

Granary Weevils	Drugstore Beetles	Yellow Mealworms
Rice Weevils	Angoumois Grain Moths	Dark Mealworms ..
Confused Flour Beetles	Mediterranean Flour Moths	Grain Mites
Saw-toothed Grain Beetles	Indian Meal Moths	Red Flour Beetles
Spider Beetles	Tobacco Moths	Cadelles
Cigarette Beetles		

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 0.2 oz. 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 DRIED FRUIT STORAGE AND PROCESSING AREAS:

To control accessible adult stages of:

- Confused Flour Beetles Indian Meal Moths
- Dried Fruit Beetles 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 one ounce per 1000 cubic feet of space. Leave the room closed for one hour. Do not remain in treated areas and ventilate before re-entry. Repeat treatment monthly if necessary.

TREATMENT OF STORED FOOD AREAS

Foods in multi-wall 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 Saw-toothed Grain Beetles Grain Mites
- Cadelles Yellow Mealworms Granary Weevils
- Confused Flour Beetles Cheese Mites Dark Mealworms
- Indian Meal Moths Cheese Skippers German Cockroaches
- Mediterranean Flour Moths Cigarette Beetles Red Flour Beetles
- Rice Weevils

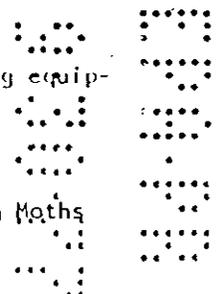
Infested stored products should be destroyed, fumigated or treated by other effective methods using an approved product intended for this purposes. As noted above, disperse Pyrenone 25-5 M.A.G. C first by directing spray into cracks and crevices, corners, under pallets and around stacks of packaged foods - hitting as many insects as possible and then apply as a space spray at a dosage of one ounce 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 adjusted to deliver a fine mist.

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 2.56 ounces of Pyrenone 25-5 M.A.G. C 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 adjusted to deliver a fine mist.

To control: Flies Mosquitoes
Small Flying Moths Gnats

Mix 2.56 ounces of Pyrenone 25-5 M.A.G. C with sufficient oil to equal one gallon of diluted spray. Apply at the rate of two 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 2.56 ounces of Pyrenone 25-5 M.A.G. C with sufficient oil to equal one gallon of diluted spray. Apply in growing houses at one 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, refrigeration 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 Earwigs German Cockroaches
Boxelder Bugs Lice Crickets
Clover Mites Spider Beetles Silverfish
Drugstore Beetles

Mix 2.56 ounces of Pyrenone 25-5 M.A.G. C 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 equipment and machinery. 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: Indian Meal Moths
Angoumois Grain Moths

Apply to the surface of binned grain at a rate of one 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 the 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, mouldings, screens, door frames, window frames, beams, light cords and similar resting places with the above dilution of Pyrenone 25-5 M.A.G. C.

OUTDOOR APPLICATION, UNDILUTED

To control: Adult 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.

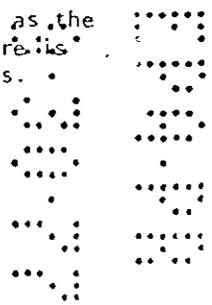
Disperse the Pyrenone 25-5 M.A.G. C at the following flow rates:

Truck Speed (Miles Per Hour)	Flow Rate (Fluid Ounces Per Minute)
5	2 to 2.25
10	4 to 4.5

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



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 apply the diluted coarse 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.

DISPOSAL CAUTIONS

Do not reuse empty container. Destroy by perforating or crushing and burying in a safe place or return to drum reconditioner.

