

JUN 20 1991

Ms. P. Leanne Pruett  
Fairfield American Corporation  
809 Harrison Street  
Frenchtown, NJ 08825

Dear Ms. Pruett:

Subject: Amendment: Fleas; Revised CSF  
Pyrenone 25-5 M.A.G.C.  
EPA Registration Number 4816-514  
Submissions dated October 23, 1990 and March 12, 1991

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

As new labels are prepared, add the statement "In hospitals, remove patients before treatment. Ventilate room for 2 hours following treatment before returning patients."

The formula dated March 12, 1991 is acceptable and has been included in our files for this pesticide.

Sincerely,



Richard F. Mountfort  
Product Manager 10  
Insecticide-Rodenticide Branch  
Registration Division (H7505C)

# PYRENONE<sup>®</sup>

25-5 M.A.G.C.

EPA Reg. No. 4816-514AA      EPA Est. No. 279-NY-1

- \* **FOR USE BY TRAINED PERSONNEL ONLY.**
- \* *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.*

**ACTIVE INGREDIENTS**

Pyrenone.....	5.0%
Piperonyl Oxide, Technical.....	25.0%
**INERT INGREDIENTS.....	70.0%
	100.0%

\*Equivalent to 20% (butylcarbityl) (6-propylpiperonyl) ether and 5% of related compounds.  
 \*\*Contains Petroleum Distillate  
 PYRENONE - Registered Trademark of Fairfield American Corporation

KEEP OUT OF REACH OF CHILDREN

## CAUTION

### 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.  
 IF ON SKIN: Contact a physician if irritation persists.  
See rear panel for additional precautions.

NET CONTENTS



FAIRFIELD  
 AMERICAN  
 CORPORATION  
 201 Rt. 17 North, Rutherford, NJ 07070

### SPACE AND/OR CONTACT USE AREAS

- |                          |                       |
|--------------------------|-----------------------|
| Bakeries                 | Meat Packing Plants   |
| Beverage Plants          | Motels                |
| Canneries                | Office Buildings      |
| Cattle Barns             | Poultry Houses        |
| Dried Food Products      | Railroad Cars         |
| in storage or processing | Restaurants           |
| Flour mills              | Schools               |
| Food Processing Plants   | Stored Food in Multi- |
| Grain Elevators          | Wall Paper or Cloth   |
| Granaries                | Bags                  |
| Homes                    | Supermarkets          |
| Horse Barns              | Wine Houses           |
| Hospitals                | Truck Trailers        |
| Hotels                   | Warehouses            |
| Industrial Installations | Zoos                  |

### OUTDOOR USE AREAS

- |                      |                    |
|----------------------|--------------------|
| Corrals              | Stables            |
| Drive-in Restaurants | Playgrounds        |
| Drive-in Theaters    | Recreational Areas |
| Feedlots             | Residences         |
| Golf Courses         | Swine Yards        |
| Municipalities       | Zoos               |

### DIRECTIONS FOR USE

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 below:

- |                               |                            |
|-------------------------------|----------------------------|
| <i>Angoumois Grain Moths</i>  | <i>Horn Flies</i>          |
| <i>Ants</i>                   | <i>Hornets</i>             |
| <i>Boxelder Bugs</i>          | <i>Horse Flies</i>         |
| <i>Caddisflies</i>            | <i>House Flies</i>         |
| <i>Cheese Mites</i>           | <i>Indianmeal Moths</i>    |
| <i>Cheese Skippers</i>        | <i>Lice</i>                |
| <i>Cigarette Beetles</i>      | <i>Mediterranean Flour</i> |
| <i>Clover Mites</i>           | <i>Moths</i>               |
| <i>Cockroaches</i>            | <i>Mosquitoes</i>          |
| <i>Confused Flour Beetles</i> | <i>Mushroom Flies</i>      |
| <i>Dark Mealworms</i>         | <i>Red Flour Beetles</i>   |
| <i>Deer Flies</i>             | <i>Rice Weevils</i>        |
| <i>Dried Fruit Beetles</i>    | <i>Sawtoothed Grain</i>    |
| <i>Drugstore Beetles</i>      | <i>Beetles</i>             |
| <i>Earwigs</i>                | <i>Small Flying Moths</i>  |
| <i>Flies</i>                  | <i>Spider Beetles</i>      |
| <i>Fruit Flies</i>            | <i>Stable Flies</i>        |
| <i>Fungus Gnats</i>           | <i>Tobacco Moths</i>       |
| <i>Gnats</i>                  | <i>Wasps</i>               |
| <i>Grain Mites</i>            | <i>Yellow Mealworms</i>    |
| <i>Granary Weevils</i>        |                            |

**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 warehouse:) should be confined to time periods when the plants or facilities are not in operation. Foods should be

removed or covered during treatment. Surfaces should be covered during treatment and cleaned with potable water, before use.

Close windows and doors and shut off fans. Use a fogger or vaporizer adjusted to produce droplets of 50-75 microns in diameter (no droplets over 50 microns in diameter). Apply at a rate of 1/2 oz. per 1000 cu. ft. Direct the spray toward the ceiling and area and behind obstructions. Keep the area vacant for 15 minutes. Vacate the treated area before reoccupying. Repeat treatment as necessary.

The above described application will control the following stages of *Fleas, Flies, (including Fruit Flies), Small Flying Moths, Gnats, Wasps, Cheese Mites, Cheese Skippers, Boxelder Bugs, Ants,* and the following common stored food pests: *Confused Flour Beetles, Indianmeal Moths, Saw-Toothed Grain Beetles, Spider Beetles, Drugstore Beetles, Angoumois Grain Moths, Indian Meal Moths, Yellow Mealworms, Dark Mealworms, and Red Flour Beetles.*

**DRIED FRUIT PRODUCTS** in storage should be treated for control of *Confused Flour Beetles, Indianmeal Moths, or Saw-Toothed Grain Beetles* and destroy infested products. As noted on the label, this product is a fine mist in the air above the product. Do not apply to fruit directly. Use 1 oz. per 1000 cu. ft. Repeat application at this dosage in a room closed for 1 hour. Do not remain in the room until the area is ventilated before re-entry. This application is suitable for the control of *Dried Fruit Beetles* and other pests named above.

**STORED FOOD:** (Stored in multi-wall containers in warehouses, storage rooms, flour granaries, for control of *Angoumois Grain Moths, Confused Flour Beetles, Indianmeal Moths, Rice Weevils, Beetles, Yellow Mealworms, Cheese Skippers, Cigarette Beetles, Grain Mites, Dark Mealworms and Red Flour Beetles*) should be fumigated or treated with this product, first by directing spray into corners around stacks of packaged foods hit as far as possible and then treat as a space spray. Products should be fumigated or treated with this product using an approved product in accordance with the label. Use a dosage of 1 fl. oz. per 1000 cu. ft. application as necessary for insect control. Do not remain in treated area for 1 hour. Do not remain in treated area before re-entry. This application will control the following stages of these stored product pests:  
SEE REVERSE

**BEST AVAILABLE**

3  
2  
3

**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 food handling surfaces. Close room and shut off all air conditioning or ventilating equipment. Dilute 1 part of Pyrenone 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. Keep area closed for at least 15 minutes. Vacate treated area and ventilate before reoccupying. Repeat treatment when reinfestation occurs.

**SURFACE SPRAY:** To insure maximum control of crawling insects (*Ants, Boxelder Bugs, Clover Mites, Cockroaches, Drugstore Beetles, Earwigs, Lice, Spider Beetles*) Dilute 1 part of Pyrenone 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 or cartons or containers lightly as stacked.

To control Indianmeal Moth and Angoumois Meal Moth in stored grain, apply to the surface of binned grain at a rate of 1 gallon 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 *Skippers*: 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 Pyrenone 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 reinfestation occurs.

**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 *Flies, Horn Flies, House Flies, Mosquitoes* and *Gnats*, dilute 1 part of Pyrenone 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 mottled 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 or 3 weeks as required.

**IN MUSHROOM PRODUCTION AND PROCESSING:** To control mushroom flies or fungus gnats in growing houses, dilute 1 part of Pyrenone 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 the truck mounted equipment, the objective is to treat the area with .002 to .0025 pounds of pyrethrins and .010 to .0125 pounds of piperonyl butoxide per acre.

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

Truck Speed Miles Per Hour	Flow Rate of PYRENONE 25-5 MAGC 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 feeds 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, filler'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 AND 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.

### 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. Strimp 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 product not in strict accordance with directions given herewith.

BEST AVAILABLE COPY