

# PYRENONE® 25-5 M.A.G.C.

In case of medical emergencies or health and safety inquiries or in case of fire, leaking or damaged containers, information may be obtained by calling 1-800-xxx-xxxx.

- 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.
- May be Used over All Crops
- The Active Ingredients are Exempt from Tolerances when Applied to Growing Crops [See 40 CFR § 180.1001(b)]

For Product Information, Call Toll-Free: 1-800-xxx-xxxx.

### PRECAUTIONARY STATEMENTS Hazards To Humans & Domestic Animals Caution

Harmful if swallowed or inhaled. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing 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 with a suitable detergent 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.

#### ACTIVE INGREDIENTS:

Pyrethrins.....	5.0%
*Piperonyl Butoxide, Technical.....	25.0%
OTHER INGREDIENTS†:.....	70.0%
	100.0%

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

†Contains Petroleum Distillates

Pyrenone is a registered trademark of AgrEvo Environmental Health, Inc.

EPA Reg. No. 4816-514

EPA Est. No.

#### 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 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.

### KEEP OUT OF REACH OF CHILDREN CAUTION FIRST AID

**If Swallowed:** Call a doctor or get medical attention. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Avoid alcohol.

**If Inhaled:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**If In Eyes:** Flush eyes with plenty of water. Call a physician if irritation persists.

**If On Skin:** Wash with plenty of soap and water. Get medical attention if irritation persists.

#### DIRECTIONS FOR USE

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

#### SPACE AND/OR CONTACT USE AREAS

See Side/Back Panel for Additional Precautions

**AgrEvo Environmental Health**  
95 Chestnut Ridge Road  
Montvale, NJ 07645

ACCEPTED

SEP 14 1999

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under

EPA REGISTRATION NO. 4816-514

- |                          |                     |
|--------------------------|---------------------|
| 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	Swine Houses
Hospitals	Truck Trailers
Hotels	Warehouses
Industrial Installations	Wineries
	Zoos

Close windows and doors and shut off ventilating systems. Use a fogger or vaporizer adjusted to deliver an aerosol spray of 10 –25 microns VMD. Apply at a rate of ½ 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 reoccupying. Repeat treatment as necessary.

**OUTDOOR USE AREAS**

Corrals	Parks
Drive-In Restaurants	Playgrounds
Drive-In Theaters	Recreational Areas
Feedlots	Residences
Golf Courses	Swine Yards
Municipalities	Vineyards
	Zoos

The above described application will kill accessible exposed stages of **fleas, 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, cadelles and red flour beetles.**

PYRENONE 25-5 M.A.G.C. is effective in the control of the indicated insects if the applicator follows the directions for use as enumerated below:

all common diptera	horn flies
angoumois grain moths	hornets
ants	horse flies
boxelder bugs	house flies
cadelles	Indian meal moths
cheese mites	lice
cheese skippers	Mediterranean flour
cigarette beetles	moths
clover mites	mosquitoes
cockroaches	red flour beetles
confused flour beetles	rice weevils
dark mealworms	saw-toothed grain
deer flies	beetles
dried fruit beetles	small flying moths
drugstore beetles	spider beetles
earwigs	stable flies
fleas	tobacco moths
fruit flies	wasps
gnats	yellow mealworms
grain mites	
granary weevils	

DRIED FRUIT PRODUCTS in storage or being processed for control of **confused flour beetles, dried fruit beetles, Indian meal moths or 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.

In hospitals, remove patients before treatment. Ventilate room for 2 hours following treatment before returning patients.

**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 a suitable detergent and rinsed with potable water before using.

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, cadelles, 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 and 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 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 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 oil or suitable solvent 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 oil or suitable solvent and mix well. 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, boxcars and ship's holds 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 GRAIN 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 or suitable solvent 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. 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 directions for outdoor ground application noted below 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. Treat 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 and horses from **fleas, horn flies, house flies, mosquitoes and gnats**, dilute 1 part of Pyrenone 25-5 M.A.G.C. plus 49 parts oil or suitable solvent 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 motile 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.

#### USE IN MOSQUITO CONTROL

Pyrenone 25-5 M.A.G.C. may be used for mosquito control programs involving residential, industrial, recreational and agricultural areas as well as swamps, marshes, overgrown waste areas, roadsides and pastures where adult mosquitoes occur. Pyrenone 25-5 M.A.G.C. may be used over agricultural crops because the ingredients are exempt from tolerances when applied to all growing crops. For best results, apply when meteorological conditions create a temperature inversion and wind speed does not exceed 10 miles per hour. The application should be made so the wind will carry the insecticidal fog into the area being treated. Treatment may be repeated as necessary to achieve the desired level of control.

When used in cold aerosol generators that produce a fog with the majority of droplets in the 10 - 25 micron VMD range, Pyrenone 25-5 M.A.G.C. should be diluted with light mineral oil or suitable solvent (specific gravity of approximately 0.8 at 60°F; boiling point: 500 - 840°F). An N.F. grade oil is preferred.

**GROUND APPLICATION:** To control adult mosquitoes and all common diptera, apply up to 0.0025 pounds of pyrethrins per acre (use a 300 foot swath width for acreage calculations).

**Truck-Mounted ULV Application:** The delivery rate and truck speed may be varied as long as the application rate does not exceed 0.0025 pounds of pyrethrins per acre. (Use a 300 foot swath width for acreage calculation.)

**Backpack Sprayer Application:** Dilute 1 part Pyrenone 25-5 M.A.G.C. with 10 parts oil or suitable solvent and apply at the rate of 7 ounces per acre (based on a 50 foot swath, 7 ounces should be applied while walking 870 feet).

**AERIAL APPLICATION (FIXED WING AND HELICOPTER):** To control adult mosquitoes and biting flies, apply up to 0.0025 pounds of pyrethrins per acre with equipment designed and operated to produce a ULV spray application.

**TO CONTROL MOSQUITO LARVAE,** dilute at the rate of 9 oz. Pyrenone 25-5 M.A.G.C. 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 & 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 may be disposed of on site or at 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.]

**CONDITIONS:** The directions for use of this product are believed to be adequate and should be followed carefully. However, because of manner of use and other factors beyond AgrEvo Environmental Health's control, it is impossible for AgrEvo Environmental Health to eliminate all risks associated with the use of this product. All such risks shall be assumed by the user or buyer.

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**IMPORTANT: READ BEFORE USE**

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