

CODE 720.10

Pyrenone®

M.A.G.C. 12.5-2.5

DIRECTIONS FOR USE

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 | Motels |
| 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 |
| Food Processing Plants | Multi-Walled Paper |
| Grain Elevators | or 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 |
| Drive-in Restaurants | Recreational Areas |
| Drive-in Theaters | Swine Yards |
| Feedlots | Urban Areas |
| Golf Courses | Zoos |
| Parks | |

ACTIVE INGREDIENTS:

- | | |
|--|-------|
| Pyrethrins..... | 2.5% |
| Piperonyl Butoxide Technical..... | 12.5% |
| Petroleum Distillate..... | 85.0% |
| 100.0% | |
| Equivalent to 10% (butylcarbityl)(6-propyl-piperonyl) ether and 2.5% related compounds | |

PYRENONE - Registered trademark of Fairfield American Corporation

EPA Reg. No. 4816-570

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 additional precautions.

**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 good 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.

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

STORAGE AND DISPOSAL

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

Pyrenone M.A.G.C. 12.5-2.5 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 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 | Soldiers |
| Earwigs | Spider beetles |
| Fruit flies | Stable flies |
| Fungus gnats | Tobacco moths |
| Gnats | Wasps |
| Grain mites | Yellow mealworms |
| Granary 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. All good processing surfaces should be covered during treatment or thoroughly cleaned before reusing.

SEE REVERSE SIDE

... and Pyrenone Ad...
... under the pesticide...
EPA Reg. No. 4816-570

BEST DOCUMENT AVAILABLE

720.10

Pyrethrene®

M.A.G.C. 12.5-2.5

DIRECTIONS FOR USE

ACCEPTED
JAN 20 1980
Under the Federal Insecticide, Fungicide, and Plant Repellent Act, registered under the pesticide FFA Reg. No. 4876-570

Personnel only
Apply by or under the supervision of Trained Personnel responsible for Mosquito Control Programs

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

- 2.5%
- 12.5%
- 85.0%
- 100.0%
- (butylcarbityl)(6-propyl- and 2.5% related compounds

Registered trademark of Fairfield American Corporation
816-570
73-NY-1

- GALLONS
- LITERS
- POUNDS
- KILOS

Keep Out Of Reach Of Children
CAUTION

See side panel for additional precautions.

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 good 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.

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STORAGE AND DISPOSAL

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

Pyrethrene M.A.G.C. 12.5-2.5 effectively controls the following insects while the applicator follows the directions for use as given below:

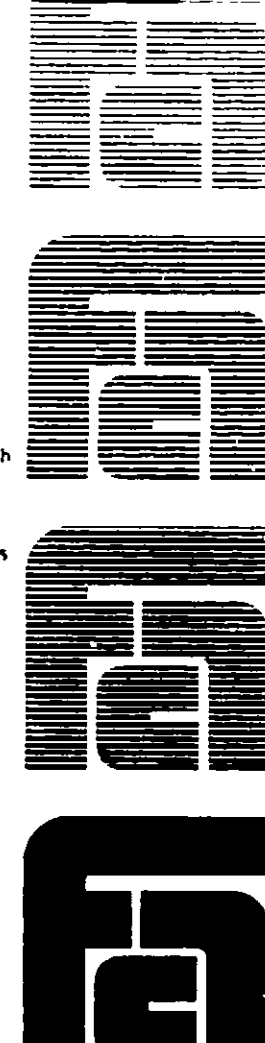
- | | |
|------------------------|--------------------------|
| Angoumois grain moth | Horn flies |
| Ants | Hornets |
| Boxelder bugs | Horse flies |
| Caddisflies | House flies |
| Cheese mites | Indian meal moths |
| Cheese skippers | Lice |
| Cigarette beetles | Mosquitoes |
| Clover mites | Mediterranean 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 |
| Granary 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. All good processing surfaces should be covered during treatment or thoroughly cleaned before reusing.

SEE REVERSE SIDE

BEST DOCUMENT AVAILABLE



FAIRFIELD AMERICAN CORPORATION
3902 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
Worms	Cockroaches (German)
Clover mites	Crickets
	Silverfish

and the following common stored product pests:

Granary weevils	Mediterranean flour moths
Rice weevils	Indian meal moths
Confused flour beetles	Tobacco moths
Sawtoothed grain beetles	Yellow mealworms
Spider beetles	Dark mealworms
Cigarette beetles	Grain mites
Dugstoe beetles	Red flour beetles
Angoumois grain moths	Cadelles

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 obstruction, apply at a rate of 0.4 oz. per 1000 cubic feet of space. Keep area closed for a least 1 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
Cadelles	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. 12.5-2.5 first by directing spray into cracks and crevices, corners, under pallets and around stacks of packaged goods - hitting as many insects as possible and then apply as

a space spray at dosage of 2.5 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	Gnats
Fruit flies	Small flying moths
Mosquitoes	

Cover or remove exposed food and cover handling surfaces in edible product areas of food handling establishments. Close room and shut off air conditioning or ventilating equipment. Mix 6 ounces of Pyrenone M.A.G.C. 12.5-2.5 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 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 2.56 ounces of Pyrenone M.A.G.C. 12.5-2.5 with sufficient oil to equal 1 gallon of diluted spray. Apply at the rate of 2 ounces per 1000 cubic feet of space above the animals. Direct spray toward 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 re-occupying. Repeat treatment if reinfestation occurs.

IN MUSHROOM PRODUCTION AND PROCESSING:

To control: Mushroom flies Fungus gnats

Mix 6 ounces of Pyrenone M.A.G.C. 12.5-2.5 with sufficient oil to equal 1 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	Earwigs	Crickets
Boxelder bugs	Lice	Silverfish
Clover mite	Spider beetles	
Drugstore beetles	German Cockroaches	

Mix 6 ounces of Pyrenone M.A.G.C. 12.5-2.5 with sufficient oil to equal 1 gallon of diluted spray. Apply as a coarse droplet spray using approximately 1 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 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
Small flying moths

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. 12.5-2.5.

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, shore lines and ponds. However, application of this undiluted product to any body of water is prohibited. Repeat treatment as required.

SEE NEXT PAGE

SPRAY APPLICATION

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

rooms and shut off ventila-
 tion. Mechanical aerosol
 fogger adjusted to deliver
 20 microns or less). Direct
 spray to all cracks and crevices,
 under cupboards, obstructions
 to provide maximum
 coverage on the insects.
 After spray, directing the
 ceiling and upper corners
 behind any obstruction, apply
 2.5 per 1000 cubic feet of
 space for a least 1 hour.
 Ventilate and before re-
 occupancy treatment as necessary.

D FOOD AREAS

lined bags or in cloth bags
 in storage rooms, flour
 bins and granaries.

Control adult stages of:

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

Products should be destroyed,
 or by other effective meth-
 ods. Intended for
 use above, disperse Pyrenone
 first by directing spray in-
 to cracks, corners, under pallets
 of packaged goods - hitting
 as possible and then apply as

a space spray at dosage of 2.5 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 re-
 main 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
- Gnats
- Fruit flies
- Small flying moths
- Mosquitoes

Cover or remove exposed food and cover han-
 dling surfaces in edible product areas of
 food handling establishments. Close room and
 shut off air conditioning or ventilating eq-
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 12.5-2.5 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 the room with mist. Keep area closed for
 at least 15 minutes. Vacate treated area and
 ventilate before reoccupying. Repeat treat-
 ment 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 2.56 ounces of Pyrenone M.A.G.C. 12.5-
 2.5 with sufficient oil to equal 1 gallon of
 diluted spray. Apply at the rate of 2 ounces
 per 1000 cubic feet of space above the animals.
 Direct spray toward 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 re-
 occupying. Repeat treatment if reinfestation
 occurs.

IN MUSHROOM PRODUCTION AND PROCESSING:

To control: Mushroom flies Fungus gnats

Mix 6 ounces of Pyrenone M.A.G.C. 12.5-2.5 with
 sufficient oil to equal 1 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
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 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

SEE NEXT PAGE

SURFACE SPRAY APPLICATION

To control accessible stages of:

- Ants
- Earwigs
- Crickets
- Boxelder bugs
- Lice
- Silverfish
- Clover mite
- Spider beetles
- Drugstore beetles
- German Cockroaches

Mix 6 ounces of Pyrenone M.A.G.C. 12.5-2.5 with
 sufficient oil to equal 1 gallon of diluted spray.
 Apply as a coarse droplet spray using approxi-
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 walls, floors and other surfaces of bins and stor-
 age and handling areas thoroughly, being espe-
 cially careful to treat cracks, crevices and
 similar hiding places. Treat unloading, handling
 and processing areas and inside conveying, pro-
 cessing and handling equipment. Spray thoroughly
 around the base of heavy machinery and equip-
 ment. 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
 is 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 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
 Small flying moths

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. 12.5-2.5.

OUTDOOR APPLICATION, UNDILUTED

To control: Mosquitoes Small flying moths
 Gnats

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 and apply when there is a light breeze of approx-
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 area to be treated. Treat shrubbery and vegeta-
 tion 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.

BEST DOCUMENT AVAILABLE

Code 720.10 Pyrenone M.A.G.C. 12.5-2.5 Continued

Disperse the Pyrenone M.A.G.C. 12.5-2.5 at the following flow rates:

Truck Speed (Miles Per Hour)	Flow Rate (Fluid Ounces Per Minute)
5	4.5 to 5.0
10	9 to 9.5

If wind 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 theaters, drive-in restaurants, 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 feed 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 18 ounces of Pyrenone M.A.G.C. 12.5-2.5 with sufficient oil to equal 50 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 wet lands, swamps and marshes known to be infested with mosquito larvae.

FOR USE ON ANIMALS

To protect against: Horn Flies House Flies
Mosquitoes Gnats

Mix 6 ounces of Pyrenone M.A.G.C. 12.5-2.5 with sufficient oil to equal 1 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 of 2 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 motile stages of blood sucking lice on beef and dairy cattle, apply the dilute spray to thoroughly wet the hair. Use two 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 hereafter.

ACCEPTED
JAN 20 1981
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 4816-570

BATCH

BEST DOCUMENT AVAILABLE

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