



Pyrenone[®] 100

Specimen Label

- * FOR INDOOR AND OUTDOOR APPLICATIONS 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 OR ULV GENERATORS, THERMAL FOGGING EQUIPMENT AS WELL AS CONVENTIONAL FOGGING OR SPRAYING EQUIPMENT.
- * DESIGNED FOR USE IN ALL AREAS OF OFFICIAL ESTABLISHMENTS OPERATING UNDER THE MEAT, POULTRY, SHELL EGG GRADING AND EGG PRODUCTS INSPECTION PROGRAMS.
- * MAY BE USED OVER ALL CROPS.
- * THE ACTIVE INGREDIENTS ARE EXEMPT FROM TOLERANCES WHEN APPLIED TO GROWING CROPS [see 40 CFR § 180.1001 (b)]

ACTIVE INGREDIENTS

◆ Pyrethrins1.0%
▲ *Piperonyl Butoxide5.0%
**OTHER INGREDIENTS94.0%
		<hr/>
		100.0%

*Equivalent to min. 4.0% (butylcarbityl) (6-propylpiperonyl) ether and 1.0% related compounds.

**Contains Petroleum Distillate

◆Contains 0.0664 pounds of Pyrethrins per gallon.

▲Contains 0.332 pounds of Piperonyl Butoxide Technical per gallon.

EPA Reg. No. 432-1072

EPA EST. NO.

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 ON SKIN: Wash with plenty of soap and water. Get medical attention.

IF IN EYES: Wash eyes with plenty of water. Call a physician if irritation persists.

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 1-800-334-7577.

For product information Call Toll-Free: 1-800-331-2867

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONS

NET CONTENTS:

BAYER ENVIRONMENTAL SCIENCE
A Business Group of Bayer CropScience LP
95 Chestnut Ridge Road • Montvale, NJ 07645

PRECAUTIONARY STATEMENTS

Hazards To Humans & Domestic Animals

CAUTION

Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid breathing 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 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. Food processing surfaces and equipment must be covered during treatment or cleaned with a suitable detergent and rinsed with potable water before reuse.

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. 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 where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water when disposing of equipment washwater. Shrimp and crabs may be killed at application rates recommended on this label. Do not apply where these are important resources.

DIRECTIONS FOR USE

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

INDOOR USE AREAS:

Bakeries	Office Buildings
Beverage Plants	Railroad Cars
Canneries	Restaurants
Flour Mills	Schools
Food Processing Plants	Ships' Holds
Grain Elevators	Storage or Processing
Granaries	Areas of Dried Food
Homes	Products
Hospitals	Surfaces of Bags of
Hotels	Stored Food Products
Industrial Installations	Supermarkets
Meat Packing Plants	Truck Trailers
Motels	Warehouses
	Wineries

OUTDOOR USE AREAS:

Cattle Barns	Milk Rooms
Corrals	Parks
Dairies	Playgrounds
Drive-In Restaurants	Poultry Houses
Drive-In Theaters	Recreational Areas
Feedlots	Swine Houses
Golf Courses	Swine lots
Horse Barns	Urban Areas
Milking Parlors	Vineyards
	Zoos

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Do not enter treated areas without protective clothing until sprays have dried.

Pyrenone 100 effectively controls the following insects when the applicator follows the directions for use as given below.

All common diptera

<i>Angoumois Grain Moths</i>	<i>Horn Flies</i>
<i>Ants</i>	<i>Hornets</i>
<i>Boxelder Bugs</i>	<i>Horse Flies</i>
<i>Cadelles</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>Mosquitoes</i>
<i>Clover Mites</i>	<i>Mediterranean Flour Moths</i>
<i>Confused Flour Beetles</i>	<i>Red Flour Beetles</i>
<i>Crickets</i>	<i>Rice Weevils</i>
<i>Dark Mealworms</i>	<i>Sawtoothed Grain Beetles</i>
<i>Deer Flies</i>	<i>Silverfish</i>
<i>Dried Fruit Beetles</i>	<i>Small Flying Moths</i>
<i>Drugstore Beetles</i>	<i>Spiders</i>
<i>Earwigs</i>	<i>Spider Beetles</i>
<i>Fleas</i>	<i>Stable Flies</i>
<i>Fruit Flies</i>	<i>Tobacco Moths</i>
<i>Gnats</i>	<i>Wasps</i>
<i>Grain Mites</i>	<i>Yellow Mealworms</i>

INDOOR USE: 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 before reusing.

SPACE AND CONTACT SPRAY APPLICATION

To control accessible adult stages of:

<i>Fleas</i>	<i>Cheese Mites</i>
<i>Flies</i>	<i>Cheese Skippers</i>
<i>Mosquitoes</i>	<i>Boxelder Bugs</i>
<i>Small Flying Moths</i>	<i>Earwigs</i>
<i>Wasps</i>	<i>Ants</i>
<i>Hornets</i>	<i>Cockroaches</i>
<i>Clover Mites</i>	<i>Crickets</i>

and the following common stored product pests:

<i>Granary Weevils</i>	<i>Mediterranean Flour Moths</i>
<i>Rice Weevils</i>	<i>Indian Meal Moths</i>
<i>Confused Flour Beetles</i>	<i>Tobacco Moths</i>
<i>Sawtoothed Grain Beetles</i>	<i>Yellow Mealworms</i>
<i>Spider Beetles</i>	<i>Dark Mealworms</i>
<i>Cigarette Beetles</i>	<i>Grain Mites</i>
<i>Drugstore Beetles</i>	<i>Red Flour Beetles</i>
<i>Angoumois Grain Moths</i>	<i>Cadelles</i>

Close doors and windows and shut off ventilating systems. Use a mechanical aerosol generator or a fogger adjusted to deliver an aerosol spray 10-25 micron VMD. 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 1 ounce 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 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:

<i>Angoumois Grain Moths</i>	<i>Cheese Mites</i>
<i>Cadellles</i>	<i>Cheese Skippers</i>
<i>Confused flour beetles</i>	<i>Cigarette Beetles</i>
<i>Indianmeal Moths</i>	<i>Grain Mites</i>
<i>Mediterranean Flour Moths</i>	<i>Granary Weevils</i>
<i>Rice Weevils</i>	<i>Dark Mealworms</i>
<i>Sawtoothed Grain Beetles</i>	<i>Cockroaches</i>
<i>Yellow Mealworms</i>	<i>Red Flour Beetles</i>

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 100 first by directing spray into cracks and crevices, corners, pallets, and around stacks of packaged goods - hitting as many insects as possible and then apply as a space spray at the dosage of 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 reentry.

INDOOR USE: DILUTED

SPACE SPRAY APPLICATION: For use in mechanical fogging or spraying equipment.

To control accessible stages of:

<i>Flies</i>	<i>Mosquitoes</i>	<i>Small Flying Moths</i>
<i>Fruit Flies</i>	<i>Gnats</i>	

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 13 ounces of Pyrenone 100 with 115 ounces of a suitable deodorized petroleum solvent (such as Exxon Isopar M, Ashland Low Odor Base Solvent or any high purity odorless mineral spirits or mineral oil) to equal 1 gallon of diluted spray. Apply at the rate of 1-2 fluid ounces per 1000 cubic feet. For use in Thermal Fogging Equipment mix 21.5 ounces of Pyrenone 100 with sufficient oil to equal 1 gallon of diluted spray. Apply at the rate of 1-2 fluid ounces per 1000 cubic feet, treating the entire 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 underway.

SURFACE SPRAY APPLICATION

To control accessible stages of:

<i>Ants</i>	<i>Lice</i>
<i>Boxelder Bugs</i>	<i>Spider Beetles</i>
<i>Clover Mites</i>	<i>Cockroaches</i>
<i>Drugstore Beetles</i>	<i>Crickets</i>
<i>Earwigs</i>	<i>Silverfish</i>
<i>Fleas</i>	

Mix 13 ounces of Pyrenone 100 with 115 ounces of a suitable deodorized petroleum solvent (such as Exxon Isopar M, Ashland Low Odor Base Solvent or any high purity odorless mineral spirits) 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. In Federally inspected meat and poultry plants, processing operations must be stopped. Application should be repeated in two weeks to kill newly hatched insects (i.e. *Lice* and *Cockroaches*).

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 Moths *Angoumois Grain Moths*

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 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:

<i>Mosquitoes</i>	<i>Gnats</i>
<i>Wasps</i>	<i>Skippers</i>

Treat walls, ceilings, moldings, screens, door frames, window frames, light cords and similar resting places with the above dilution of Pyrenone 100.

OUTDOOR APPLICATION: UNDILUTED

Pyrenone 100 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 100 may be used over all crops because its ingredients are exempt from tolerance when applied to 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.

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 calculations).

Backpack Spray Application: Apply up to 0.0025 pounds of pyrethrins per acre. Apply at the rate of 3.5 ounces per acre (based on a 50 foot swath, 3.5 ounces should be applied while walking 870 feet).

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

OUTDOOR APPLICATION: DILUTED

ANIMAL QUARTER USE (Cattle Barns, Horse Barns, Poultry Houses, Swine Houses, Zoos, Milking Parlors, Milkrooms and Dairies): As a space spray, diluted, for use in conventional mechanical fogging or spraying equipment. To control *Flies*, *Small Flying Moths*, *Mosquitoes*, *Fleas* and *Gnats*.

Mix 13 ounces of Pyrenone 100 with suitable solvent 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 the spray towards the upper portions of the enclosure filling the room with mist. Keep area closed for at least 15 minutes. Vacate the treated area and ventilate before reoccupying. Repeat treatment if reinfestation occurs.

FOR USE ON ANIMALS

To protect against: *Horn Flies*, *Mosquitoes*, *Fleas*, *House Flies* and *Gnats*.

Mix 13 ounces of Pyrenone 100 with suitable solvent 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 and horses.

To protect against: *Stable Flies*, *Deer Flies*, *Horse Flies*

Apply the above dilution at 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 diluted spray to thoroughly wet the hair. Use 2 ounces or less per animal and repeat every 2 to 3 weeks as required.

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 may be disposed of on site 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.

Containers One Gallon And Smaller: Do not reuse container. Wrap container in several layers of newspaper and discard in trash.

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following conditions, disclaimer of warranties and limitations of liability.

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 Bayer Environmental Science's control, it is impossible for Bayer Environmental Science to eliminate all risks associated with the use of this product. As a result, crop injury or Ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

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BAYER ENVIRONMENTAL SCIENCE

A Business Group of Bayer CropScience LP
95 Chestnut Ridge Road
Montvale, NJ 07645

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