

# Pyrocide 100<sup>®</sup>

Specimen Label

- Effective and fast-acting
- Provides flushing action and quick knockdown
- For use indoors as a ULV, space, area or contact spray

#### ACTIVE INGREDIENTS:

Pyrethrins.....	1.00%
*Piperonyl butoxide.....	2.00%
** N-Octyl bicycloheptene dicarboximide.....	2.87%
*** OTHER INGREDIENTS .....	94.13%
	100.00%

\* (butylcarbityl) (6-propylpiperonyl) ether and related compounds.

\*\* MGK<sup>®</sup> 264<sup>®</sup>, Insecticide Synergist

\*\*\* Contains petroleum distillates

This product contains 0.0657 lbs. Pyrethrins per Gal., 0.131 lbs. PBO per Gal. and 0.189 lbs. MGK<sup>®</sup> 264<sup>®</sup> per Gal.



KEEP OUT OF REACH OF CHILDREN  
**CAUTION**

See inside for first aid and precautionary statements.

For use in Household and Food Processing Plants, Dairy Barns, Restaurants, Industrial Buildings: schools, warehouses, offices, theaters, garages, hotels, motels, hospitals and kennels.

## DIRECTIONS FOR USE

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

### READ ALL DIRECTIONS COMPLETELY BEFORE USE

#### RESTRICTIONS:

- FOR INDOOR USE ONLY.

- Do not enter or allow others to enter until sprays have dried.
- Do not allow adults, children, or pets to enter the treated area for at least 15 minutes, until vapors, mists, and aerosols have dispersed, and the treated area has been thoroughly ventilated.
- Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.
- Do not use in aircraft cabins.
- Do not remain in treated area. Exit area immediately and remain outside the treated area until aerosols, vapors, and/or mists have dispersed.
- Remove or cover exposed food and drinking water before application.
- Remove or cover dishes, utensils, food processing equipment, and food preparation surfaces, or wash them before use.
- Do not make space spray applications when food processing facility is in operation.
- Do not apply more than 1 time per day.

- Not for use in outdoor residential misting systems.
- Remove pets, birds, and cover fish aquariums before use.
- Do not apply directly into sewers or drains, or to any area like a gutter where drainage to storm sewers, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.
- When used in dairy barns or facilities: Close milk bulk tank lids to prevent contamination from spray and from dead or falling insects. Remove or cover milking utensils before application. Wash teats of animals before milking.

#### GENERAL:

This concentrate is designed for use undiluted in mechanical sprayers that give particles of aerosol size. It can be diluted with refined kerosenes, which meet Food Additive Regulation as defined by CFR Title 21, 172.884, and applied in fogging equipment that give larger than aerosol particle size. It can also be diluted with the oil specified above and applied as a contact spray to kill crawling insects shown later on this label.

**INDOOR AREAS for use in and around but not limited to (such as):**

Animal Areas and Quarters	Freight Containers	Parking Garages
Animal Control Centers	Fruit Packing Sheds	Pool Halls
Animal Shelters	Funeral Parlors	Prisons
Apartments	Garages	Public Storages
Arcades	Garbage Compactors	Railroad Cars
Attics	Garbage Trucks	Recreational Vehicles
Auditoriums	Gas Stations	Research Animal Quarters
Bakeries	Grain Elevators	Restaurants
Bars	Grain Harvesting and Handling Equipment	Retail Stores
Basements	Grain Mills	Rice Mills
Bathrooms	Granaries	Schools
Beverage Plants	Grocery Stores	Ship's Holds
Bottling Plants	Homes	Ships
Breweries	Horse Stables and Barns	Smoke Shops
Brewery Warehouses	Horse Trailers	Sports Stadiums
Buildings	Hospices	Stables
Buses	Hospitals	Storage Bins (areas)
Cabinets	Hotels	Stored Food in multi-walled paper or cloth bags
Cabins	Indoor Eating Establishments	Stores
Cafeterias	Industrial Installations	Supermarkets
Campers	Institutional Dining Areas	Taverns
Canneries	Institutions	Textile Mills and Warehouses
Churches	Jails	Theaters
Circus Tents	Kennels	Tobacco Factories
Closets	Laboratories	Tobacco Warehouses
Clubhouses	Laundromats	Tool Sheds
Commercial Buildings	Lavatories	Trains
Communication Centers	Libraries	Transportation Equipment
Concession Stands	Liquor Stores	Truck Trailers
Condominiums	Locker Rooms	Trucks
Court Houses	Mausoleums	Tunnels
Crawl Spaces	Meat Packing Plants	Utilities
Crematoriums	Mess Halls	Utility Rooms
Dairy Barns	Mini-Storages	Vending Machines
Day Care Centers	Mobile Canteens	Veterinary Hospitals
Delicatessens	Mobile Homes	Wall and Equipment Voids
Department Stores	Morgues	Warehouses
Diners	Mortuaries	Washrooms
Dog Houses	Motels	Wholesale Stores
Drugstores	Movie Theaters	Wine Cellars
Dwellings	Museums	Wineries
Egg Processing Plants	Nursing Homes	Zoos
Factories	Office Buildings	
False Ceilings	Other Public Buildings	

**Not for use in greenhouses.****For the control of the following listed insects:**

Almond Moths	Face Flies	Palmetto Bugs
Angoumois Grain Moths	Firebrats	Pillbugs
Ants	Flat Grain Beetles	Red Flour Beetles
Black Flies	Fleas	Rice Flour Beetles
Boxelder Bugs	Flies	Rice Weevils
Brown Dog Ticks	Flying Moths	Rusty Grain Beetles
Cadelles	Fruit Flies	Sawtoothed Grain Beetles
Carpet Beetles	Fungus Gnats	Silverfish
Cereal Beetles	Gnats	Skipper Flies
Cheese Mites	Grain Mites	Small Flying Moths
Cheese Skippers	Granary Weevils	Spiders
Chocolate Moths	Hide Beetles	Spider Beetles
Cigarette Beetles	Horn Flies	Stable Flies
Clothes Moths	Hornets	Sowbugs
Clover Mites	Horseflies	Ticks
Cockroaches	Indian Meal Moths	Ticks that may carry and transmit Lyme disease
Coffee Bean Weevils	Khapra Beetles	Tobacco Moths
Confused Flour Beetles	Lesser Grain Beetles	Warehouse Beetles
Crickets	Lesser Grain Borers	Wasps
Dark Mealworms	Lesser House Flies	Waterbugs
Darkling Beetles	Mediterranean Flour Moths	Yellowjackets
Deer Flies	Merchant Grain Beetles	Yellow Mealworms
Dermestid Beetles	Midges	
Driedfruit Beetles	Miller Moths	
Drugstore Beetles	Millipedes	
Earwigs	Mosquitoes	

## UNDILUTED

### FOR USE IN HOMES, DAIRY BARNs, RESTAURANTS, FOOD PROCESSING PLANTS AND OTHER INDUSTRIAL AREAS:

**ULV AND SPACE SPRAY:** Use in aerosol generators to kill exposed accessible stages of: Flies (including fruit flies), Mosquitoes, Small Flying Moths, Fleas, 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, Sawtoothed 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: Remove or cover exposed food and food handling surfaces. Close room and shut off all air conditioning or ventilating equipment. Apply at the rate of 1.5 fl. oz. undiluted concentrate per 1,000 cu. ft. of space. Direct spray toward upper corners of room and ceiling.

**CONTACT THEN SPACE SPRAY:** To kill Cockroaches, Silverfish, Earwigs, Ants and Spiders, use a mechanical aerosol generator or a fogger. Using no more than 27 fl. oz. per 1,000 sq. ft., direct the spray first into all cracks and crevices, behind all equipment, cupboards, obstructions or dark harborage areas, walls, floors, underneath sinks, behind pipes and in all places that harbor insects to provide maximum penetration and impingement on the insects. Contact as many insects as possible. Then treat as a space spray. Apply at the rate of up to 3 fl. oz. per 1,000 cu. ft. of space.

**IMPORTANT:** If there is a need to treat such areas as conduits, motor housings, junction and switch boxes or other electrical equipment, turn off electrical equipment prior to application. After application, allow time for oil to dissipate before starting motors or placing switches in the "ON" position.

**TREATMENT OF STORED FOOD AREAS:** Foods in multi-walled bags, cloth bags or other packaging stored in such areas as listed for the control of accessible adult stages of: Almond Moths, Angoumois Grain Moths, Ants, Cadelles, Cereal Beetles, Cheese Mites, Cheese Skippers, Chocolate Moths, Cigarette Beetles, Cockroaches, Confused Flour Beetles, Crickets, Dark Mealworms, Drugstore Beetles, Earwigs, Firebrats, Flies, Fruit Flies, Fungus Gnats, Grain Mites, Granary Weevils, Hide Beetles, Indian Meal Moths, Mediterranean Flour Moths, Mosquitoes, Red Flour Beetles, Rice Weevils, Sawtoothed Grain Beetles, Silverfish, Small Flying Moths, Spiders, Spider Beetles, Yellow Mealworms, Driedfruit Beetles, Warehouse Beetles, Rusty Grain Beetles, Lesser Grain Beetles, Coffee Bean Weevils, Khapra Beetles and other listed pests. Infested stored products should be destroyed, fumigated, or treated by other effective methods using an approved product intended for this purpose. As noted above, using no more than 27 fl. oz. per 1,000 sq. ft., disperse 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 a dosage of 1.5 fl. oz. per 1,000 cu. ft. of room space.

### ON PEANUTS, NUTS, BEANS (INCLUDING COCOA), SEEDS AND COPRA IN BAGS

**OR OTHER PACKAGING:** For the control of accessible stages of Almond Moths, Angoumois Grain Moths, Ants, Cadelles, Cereal Beetles, Cheese Mites, Cheese Skippers, Chocolate Moths, Cigarette Beetles, Cockroaches, Confused Flour Beetles, Crickets, Dark Mealworms, Drugstore Beetles, Earwigs, Firebrats, Flies, Fruit Flies, Fungus Gnats, Grain Mites, Granary Weevils, Hide Beetles, Indian Meal Moths, Mediterranean Flour Moths, Mosquitoes, Red Flour Beetles, Rice Weevils, Sawtoothed Grain Beetles, Silverfish, Small Flying Moths, Spiders, Spider Beetles, Yellow Mealworms, Driedfruit Beetles, Warehouse Beetles, Rusty Grain Beetles, Lesser Grain Beetles, Coffee Bean Weevils, Khapra Beetles. Apply to the surface of stored or bagged products. Also spray walls, floors and other surfaces, storage and handling areas thoroughly, being especially careful to treat cracks, crevices and similar hiding places, using no more than 27 fl. oz. per 1,000 sq. ft. Then apply as a space spray at the rate of 1.5 fl. oz. per 1,000 cu. ft. of space by directing the spray toward the ceiling and upper corners of the area and behind any obstructions.

**Contact and Space Spray - Undiluted - To kill Cockroaches:** Using a ULV spraying device, inject the aerosol spray directly into cracks and crevices to completely fill wall, equipment, and other small structural void areas. Do not apply more than 4.08 fl. oz. per 1,000 cu. ft. Leave room ventilation or air conditioning equipment on during application.

**FOR USE IN FEDERALLY INSPECTED MEAT AND POULTRY PLANTS:** Apply undiluted with a ULV spraying device up to 3 fl. oz. per 1,000 cu. ft. of space. Apply this spray into all cracks and crevices in woodwork, walls, floors, underneath sinks, behind pipes and in all places where these insects shelter, using up to but no more than 27 fl. oz. per 1,000 sq. ft. Contact as many insects as possible. Repeat as necessary, but not more than once a day, for control of exposed or accessible stages of Ants, Earwigs, Flies, Fruit Flies, Gnats, Mosquitoes, Silverfish, Small Flying Moths, Spiders and Waterbugs. Before spraying, exposed food products and packaging materials must be covered or removed. After spraying, equipment and utensils must be washed with an effective cleaning compound and rinsed with potable water prior to use. Use as a space spray only when plant is not in operation.

## DILUTED

**NOTE:** When using oil as the diluent, an odorless light petroleum hydrocarbon as defined by CFR Title 21, §172.884 should be used for all food area and food related applications. Additionally, when diluted and used according to label directions, this spray will meet specifications for use under USDA meat, poultry, shell egg grading, and egg products inspection programs.

**SPACE SPRAY:** For use in mechanical fogging, thermal fogging or spraying equipment to control accessible stages of Almond Moths, Angoumois Grain Moths, Ants, Cadelles, Cereal Beetles, Cheese Mites, Cheese Skippers, Chocolate Moths, Cigarette Beetles, Cockroaches, Confused Flour Beetles, Crickets, Dark Mealworms, Drugstore Beetles, Earwigs, Firebrats, Flies, Fruit Flies, Fungus Gnats, Grain Mites, Granary Weevils, Hide Beetles, Indian Meal Moths, Mediterranean Flour Moths, Mosquitoes, Red Flour Beetles, Rice Weevils, Sawtoothed Grain Beetles, Silverfish, Small Flying Moths, Spiders, Spider Beetles, Yellow Mealworms, Driedfruit Beetles, Warehouse Beetles, Rusty Grain Beetles, Lesser Grain Beetles, Coffee Bean Weevils and Khapra Beetles. Remove or cover exposed food and cover food-handling surfaces in edible product areas of food handling establishments. Close room and shut off all air conditioning or ventilating equipment. Dilute concentrate with a white mineral oil conforming to Regulation 21 CFR 121.2589(b) or an odorless light petroleum hydrocarbon conforming to 21 CFR at the rate of 1 part concentrate to 9 parts oil and mix well. Apply at the rate of 5.0 fl. oz. of diluted material per 1,000 cu. ft. of space, filling the room with mist.

**SURFACE SPRAY:** To control accessible stages of: Ants, Drugstore Beetles, Earwigs, Cockroaches, Silverfish, Beetles, Boxelder Bugs, Clover Mites, Crickets and other listed insects, dilute 1 part concentrate plus 9 parts suitable diluent, mix well and apply as a coarse wetting spray, using approximately 1 gallon of spray mixture per 1,000 sq. ft. of surface. To ensure maximum control of listed crawling insects, spray thoroughly into all cracks, molding, crevices, walls, floors and other surfaces, storage and handling areas. Particular attention should be paid to areas where moisture collects such as drains, sinks, and water pipes, around the base of heavy machinery and equipment, contacting as many insects as possible. Ants: Spray directly into nests, along trails, and directly on all ants observed.

**FOR USE IN TRANSIT PROTECTION:** To control accessible stages of listed insects, clean and spray truck beds, boxcars, ship's holds and other listed transit equipment before loading. Dilute 1 part concentrate plus 9 parts suitable diluent, mix well and apply as a coarse wetting spray using approximately 1 gallon of spray mixture per 1,000 sq. ft. Thoroughly treat walls and floors. Spray each layer of cartons or containers lightly as stacked. To control Indian Mealworms and Angoumois Grain Moths in stored grain, apply to the surface of binned grain at a rate of 1 gallon of diluted product per 1,000 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 before spraying and make a second application in two weeks.

**Contact Spray - Diluted for use with sprayers that give large, wetting spray particles to kill Cockroaches and accessible stages of granary insects:** Cadelles, Confused Flour Beetles, Grain Mites, Granary Weevils, Meal Moth Larvae and Adults, Red Flour Beetles, Rice Weevils and Sawtoothed Grain Beetles: Cover or remove exposed food and close room as described above. Dilute concentrate with oil at the rate of 1 part concentrate plus 9 parts of oil or 15 ounces per gallon and mix well. Spray outside walls of grain bins, flooring, about base of milling machinery, walls and baseboards, areas behind cabinets, around pipes and other insect harborages, using 1 gallon spray per 1,000 sq. ft. of space. Force spray into all cracks and crevices.

**DRIED FRUIT PRODUCTS in storage or being processed, for control of Confused Flour Beetles, Driedfruit Beetles, Indian Meal Moths and Sawtoothed Grain Beetles:** Remove and destroy infested products. Dilute concentrate with oil at the rate of 1 part concentrate plus 9 parts oil or 15 ounces per gallon and mix well. Disperse this product as a fine mist in the air above the trays and shelves. Do not apply to fruit directly. Use one fl. oz. of concentrate per 1,000 cu. ft. of space. Repeat application at this dosage in any given month. Sweep up and destroy fallen insects.

**STORED FOOD:** (stored in multi-wall bags or cloth bags) in flour mills, grain elevators, granaries, storage rooms and warehouses for control of Angoumois Grain Moths, Cadelles, Cheese Mites, Cheese Skippers, Cigarette Beetles, Confused Flour Beetles, Dark Mealworms, Grain Mites, Granary Weevils, Indian Meal Moths, Mediterranean Flour Moths, Red Flour Beetles, Rice Weevils, Sawtoothed Grain Beetles and Yellow Mealworms: Remove and destroy infested products. Dilute concentrate with oil at the rate of 1 part concentrate plus 9 parts oil or 15 ounces per gallon and mix well. 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. Apply at the rate of one fl. oz. of diluted material per 1,000 cu. ft. of space. This application will kill accessible, exposed stages of those stored product pests listed above. Sweep up and destroy fallen insects.

**Zoos:** For indoor premises of zoos only. Applications must be made when animals are not present. As a space spray diluted for use in conventional mechanical fogging equipment to kill Flies, Gnats, Mosquitoes and Small Flying Moths: dilute 1 part concentrate plus 9 parts oil (refined kerosene) and mix well. Apply at a rate of 2 fl. oz. of diluted material per 1,000 cu. ft. of space above the animals. Direct spray toward the upper portions of the enclosure, filling the room with mist.

PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

## CAUTION

Harmful if swallowed. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders, applicators, and other handlers must wear the following:

- long-sleeved shirt,
- long pants,
- chemical-resistant gloves made of barrier laminate, nitrile rubber, neoprene rubber, or Viton, and
- shoes and socks.

In addition to the above PPE, applicators using a high-pressure hand wand in an enclosed area must wear at least a NIOSH-approved respirator with:

- a dust/mist filter with MSHA/NIOSH approval number prefix TC-21C, or
- any R, P, or HE filter.

In addition to the above PPE, applicators using handheld foggers in an enclosed area must wear a half-face, full-face, or hood-style NIOSH-approved respirator with:

- a dust/mist filtering cartridge (MSHA/NIOSH approval number prefix TC-21C), or
- a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or
- a cartridge or canister with any R, P or HE filter.

### USER SAFETY REQUIREMENTS

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

### USER SAFETY RECOMMENDATIONS

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollution Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

### PHYSICAL OR CHEMICAL HAZARDS

**Combustible.** Do not use or store near heat or open flame. Do not use this product in or on electrical equipment due to the possibility of shock hazard.

## FIRST AID

### IF SWALLOWED:

- Immediately call a poison control center or doctor.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give **any** liquid to the person.
- Do not give anything by mouth to an unconscious person.

### IF ON SKIN OR CLOTHING:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

### IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes. Then continue rinsing eyes.
- Call a poison control center or doctor for treatment advice.

### IF INHALED:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance. Then give artificial respiration, preferably mouth-to-mouth if possible.
- Call a poison control center or doctor for further treatment advice.

NOTE TO PHYSICIAN: Contains petroleum distillates – vomiting may cause aspiration pneumonia.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information regarding medical emergencies or pesticide incidents, call 1-888-740-8712.

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**PESTICIDE STORAGE:** Keep this product in a tightly closed container, when not in use. Store in a cool, dry (preferably locked) area. Post as a pesticide storage area. Always store pesticides in the original container. Store away from food, feed, seed, fertilizers, and veterinary supplies. Place formulations on lower shelves and dry formulations above.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER HANDLING:** Non-refillable container. Do not reuse or refill this container.

Triple rinse container (or equivalent) promptly after emptying.

For containers with capacities equal to or less than 5 gallons: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

For containers with capacities greater than 5 gallons: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closers. Tip the container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.



**Pyrocide 100**<sup>®</sup>

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