

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

KEEP OUT OF REACH OF CHILDREN  
**CAUTION**

See inside for first aid and precautionary statements.

**ACTIVE INGREDIENTS:**

Pyrethrins.....	1.00%
*Piperonyl butoxide, Technical .....	2.00%
**N-Octyl bicycloheptene dicarboximide .....	3.00%
***OTHER INGREDIENTS .....	94.00%
.....	100.00%

\* Equivalent to 1.6% (butylcarbityl) (6-propylpiperonyl) ether and 0.40% related compounds.

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

\*\*\* Contains petroleum distillates

**For the control of insects, including, but not limited to:**

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

## 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.**

Avoid contamination of food or feedstuffs.

Remove pets and birds and cover fish aquariums before spraying.

In Hospitals: Patients should be removed from room prior to treatment.

Rooms should be ventilated for two hours after spraying. Do not return patients to room until after ventilation.

**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 listed later on this label.

Do not apply directly to food. Do not apply while food processing is underway. Foods should be removed or covered during treatment. All food processing surfaces and equipment should be covered or washed with an effective cleaning compound followed by a potable water rinse. In the home all food processing surfaces, dishes and utensils should be covered during treatment or thoroughly washing before use.

**INDOOR AREAS for use in and around but not limited to [such as]:**

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

**INDOOR USE-UNDILUTED**

**FOR USE IN HOMES, 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, 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. 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 1/2 fluid ounce undiluted concentrate per 1,000 cubic feet of space. Direct spray toward upper corners of room and ceiling. Leave room closed for 1/2 hour and ventilate thoroughly before re-entry.

**CONTACT AND SPACE SPRAY:** To kill Cockroaches, Silverfish, Earwigs, Ants and Spiders, use a mechanical aerosol generator or a fogger. Direct the spray first into all cracks and crevices, behind all equipment, cupboards, obstructions, 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. Do not allow spray to contact stored food. Treat as a space spray, applying at the rate of up to 3 fluid ounces per 1,000 cubic feet of space. Vacate treated area and leave the room closed for 1/2 hour. Ventilate thoroughly before re-entry.

**NOTE:** 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, but not limited to, 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, disperse first by directing spray into cracks and crevices, corners, pallets and around stacks of packaged goods, hitting as many insects as possible. Then apply as a space spray at a dosage of 1.5 ounces per 1,000 cubic feet of room space. Do not remain in treated area and ventilate before re-entry.

**ON PEANUTS, NUTS, BEANS (INCLUDING COCOA), SEEDS AND COPRA IN BAGS OR OTHER PACKAGING:** For the control of accessible stages of listed insects, 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. Then apply as a space spray at the rate of 1.5 ounce per 1,000 cubic feet 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 an appropriate ULV spraying device, inject the aerosol spray directly into cracks and crevices to completely fill wall, equipment and other small structural void areas. Leave room ventilation or air conditioning equipment on during application. Except in hospitals, as noted above, the room can be reentered immediately after applications are complete.

**INDOOR USE-DILUTED**

**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, Saw-toothed Grain Beetles, Silverfish, Small Flying Moths, Spiders, Spider Beetles, Yellow Mealworms, Dried Fruit 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 121.1182 at the rate of 1 part concentrate to 9 parts oil and mix well. Apply at the rate of 5.0 fluid ounces per 1,000 cubic feet of space, filling the room with mist. Vacate treated area and ventilate before re-entry.

**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 square feet 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, water pipes and 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 holds and other listed transit equipment before loading. Thoroughly treat walls and floors. Spray each layer of cartons or containers lightly as stacked. Apply diluted spray at the rate of 1 gallon per 1,000 square feet. To control Indian Meal Worms and Angoumois Grain Moths in stored grain, apply to the surface of binned grain at a rate of 1 gallon per 1,000 square feet. 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 Saw-toothed 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 square feet of space. Force spray into all cracks and crevices.

**DRIED FRUIT PRODUCTS in storage or being processed, for control of Confused Flour Beetles, Dried Fruit Beetles, Indian Meal Moths and Saw-toothed 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 ounce per 1,000 cubic feet of space. Repeat application at this dosage in any given month. Leave the room closed for one hour. Do not remain in treated areas and ventilate the area before re-entry. 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, Saw-toothed 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 accessible 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 one fluid ounce per 1,000 cubic feet of space. 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. Sweep up and destroy fallen insects.

**Zoos:** 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 fluid ounces per 1,000 cubic feet of space above the animals. Direct spray towards 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.

**FOR USE IN FEDERALLY INSPECTED MEAT AND POULTRY PLANTS:** Apply undiluted with a ULV spraying device up to 3 fluid ounces per 1,000 cubic feet 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. Contact as many insects as possible. Repeat as necessary 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.

**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.

## OUTDOOR USE

**OUTDOOR GROUND FOGGING APPLICATION:** Use to kill flies, mosquitoes, and gnats in open areas near buildings and in campgrounds. Use preferably at a time when temperature is cool (75°F or less) and the wind velocity is approximately five (5) MPH or less.

**HANDHELD EQUIPMENT:** Apply at the rate of 4.0 oz. per acre. Figure application travel path for coverage of a swath fifty (50) feet wide. Allow spray drift to penetrate dense foliage. Repeat application as required for control.

**TRUCK MOUNTED EQUIPMENT:** Spray at a dosage rate of fifteen (15) oz. per minute from a location upwind of the area where insects are to be controlled. Keep speed of vehicle to approximately five (5) MPH. Figure application travel path for coverage of a swath three hundred (300) feet wide.

## STORAGE AND DISPOSAL

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

**STORAGE:** Store in a cool, dry place. Keep container closed.

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

**CONTAINER DISPOSAL:** Triple rinse (or equivalent) and 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, inhaled or absorbed through the skin. Avoid breathing vapors or spray mist. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

Wear a pesticide respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH-approved respirator with an organic vapor (OV) removing cartridge or canister with any R, P, or HE prefilter.

### ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and other wildlife. Do not apply directly to water. Do not contaminate water when disposing of equipment wash waters. 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 Pollutant 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 the poison control center or doctor.
  - Do not give **any** liquid to the person.
  - Do not give anything by mouth to an unconscious person.
- 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 eye.
  - Call a poison control center or doctor for treatment advice.
- 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 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 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.

# **Pyrocide<sup>®</sup>100**



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