



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



**ACTIVE INGREDIENTS:**

Pyrethrins.....	3.00%
*Piperonyl butoxide.....	6.00%
**N-Octyl bicycloheptene dicarboximide.....	9.57%
***OTHER INGREDIENTS .....	81.43%
	100.00%

- \* (butylcarbityl) (6-propylpiperonyl) ether and related compounds.
- \*\* MGK® 264, Insecticide Synergist
- \*\*\* Contains petroleum distillates

KEEP OUT OF REACH OF CHILDREN  
**CAUTION**  
 See inside for first aid and precautionary statements.

**DIRECTIONS FOR USE**

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

**GENERAL PRECAUTIONS AND RESTRICTIONS**

- FOR INDOOR USE ONLY.
- Do not enter or allow others to enter until sprays have dried.
- Not for use in outdoor residential misting systems.
- 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.
- 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.
- Direct application to food contact surfaces is prohibited.
- Do not use in aircraft cabins.
- Do not apply more than 1 time per day.

- Do not remain in treated area. Exit area immediately and remain outside the treated area until aerosols, vapors and mists have dispersed.
- Avoid contamination of food or feedstuffs.
- Remove pets and birds and cover fish aquariums before spraying.
- 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.
- Do not make space spray applications when facility is in operation.
- Prior to space spray applications, cover or remove food.
- Prior to space spray applications, cover food processing surfaces or clean after treatment and before use.

**READ ALL DIRECTIONS COMPLETELY BEFORE USE**

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 gives 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.

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

**INDOOR USE-UNDILUTED**

**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 fluid ounce undiluted concentrate per 1,000 cubic feet of space. Direct spray towards ceiling and upper corners of room. Leave room closed for 1/2 hour and ventilate thoroughly before re-entry. Do not apply this undiluted spray in residential areas or facilities operating under Federal Meat, Poultry, Shell Egg Grading, and Egg Products Inspection Programs.

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

**CONTACT AND SPACE SPRAY:** To kill Cockroaches, Silverfish, Earwigs, Ants and Spiders, use a mechanical aerosol generator or a fogger. Using no more than 2 fluid ounces per 1,000 square feet, 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. Do not allow spray to contact stored food. Then treat as a space spray. Apply at the rate of 1 fluid ounce per 1,000 cubic feet of space. Vacate treated area and leave the room closed for 1/2 hour. Ventilate thoroughly before re-entry. Do not apply this undiluted spray in residential areas or facilities operating under Federal Meat, Poultry, Shell Egg Grading, and Egg Products Inspection Programs.

**NOTE:** If there is a need to treat areas such 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 areas to kill 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 2 fluid ounces per 1,000 square feet, 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 1/2 fluid ounce 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:** To kill 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 and other listed insects, using no more than 2 fluid ounces per 1,000 square feet, apply to the surface of stored or bagged products. Also spray walls, floors, other surfaces, and 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 1/2 fluid 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 Spot Spray - To kill Cockroaches:** Using no more than 10 fluid ounces per 1,000 square feet in 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.

## INDOOR USE-DILUTED

**SPACE SPRAY:** For use in mechanical fogging and thermal fogging or spraying equipment to kill 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 121.1182 at the rate of one part concentrate to two parts oil and mix well. Apply at the rate of 1 fluid ounce of concentrate per 1,000 cubic feet of space, filling the room with mist. Vacate treated area and ventilate before re-entry.

**SURFACE SPRAY:** To kill accessible stages of Ants, Drugstore Beetles, Earwigs, Cockroaches, Silverfish, Beetles, Boxelder Bugs, Clover Mites, Crickets, and other listed insects, dilute 2 fluid ounces of concentrate into 1 gallon of suitable diluent for maintenance, mix well, and apply as a coarse wetting spray using 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, other surfaces, and storage and handling areas. Particular attention should be paid to areas where moisture collects such as drains, sinks, and 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. Repeat as necessary.

**FOR USE IN TRANSIT PROTECTION:** To kill accessible stages of listed insects, clean and spray truck beds, boxcars, ship's holds and other listed transit equipment before loading. Dilute 2 fluid ounces of concentrate into 1 gallon of suitable diluent. 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 kill Indian Mealworms 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 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 63 parts of oil or 2 fluid ounces per gallon and mix well. Spray outside walls of grain bins, flooring, about base of milling machinery, walls and baseboards, areas behind cabinets, and 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, to kill 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 29 parts oil or 4.5 fluid ounces per gallon and mix well. Disperse 13 fluid ounces of this diluted product as a fine mist in the air above the trays and shelves. Do not apply to fruit directly. Use 1/2 fluid ounce of concentrate 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-walled bags or cloth bags) in flour mills, grain elevators, granaries, storage rooms, and warehouses to kill 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 29 parts oil or 4.5 fluid ounces per gallon and mix well. Disperse this product first by directing no more than 60 fluid ounces of diluted spray per 1,000 square feet 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. Then treat as a space spray using 6 fluid ounces of the diluted product. Use a dosage of two tenths of a fluid ounce of concentrate 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.

**Indoor Premises of 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 29 parts oil (refined kerosene) and mix well. Apply no more than 30 fluid ounces of diluted product per 1,000 cubic feet of space above the animals. Direct spray towards 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 reoccupying. Repeat treatment when reinfestation occurs.

**FOR USE IN FEDERALLY INSPECTED MEAT AND POULTRY PLANTS:** Dilute one part concentrate with 3 parts base oil (refined kerosene) and use with a ULV spraying device at the application rate of 3 fluid ounces of diluted product per 1,000 cubic feet of room space. Apply no more than 6 fluid ounces of the diluted 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 to kill 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 Federal meat, poultry, shell egg grading, and egg products inspection programs.

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Storage in a cool, dry area. Always store pesticides in the original container. Store away from food and pet food.

**PESTICIDE DISPOSAL:** To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

**CONTAINER HANDLING:** Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill.

Triple Rinse as follows [for containers of 5 gallons or less]: 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.

Triple Rinse as follows [for containers greater than 5 gallons]: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip 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 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.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

## CAUTION

Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Obtain medical attention if irritation persists. Avoid contamination of food or feedstuffs.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

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

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

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 N, 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 filter 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

User should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. User 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 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.

## 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 a 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.

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 additional information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), you may call 1-888-740-8712.

**Pyrocide 300**<sup>®</sup>

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EPA Est. No. 1021-MN-2  
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**MGK**<sup>®</sup>

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