

FOR APPLICATIONS IN RESIDENTIAL / COMMERCIAL SETTINGS, INCLUDING NON-FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS

A food handling establishment is an area or place other than a private residence in which food is held, processed, prepared, and/or served. Non-food areas of food handling establishments include garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets, and storage (after canning or bottling).

Applications within residential and non-residential buildings include homes, apartment buildings, kennels, and non-food areas of industrial and commercial buildings such as hospitals, hotels, warehouses, truck trailers, railroad cars, theatres, office buildings, schools, and other sites as listed.

Do not apply this product as a space spray in any residential or commercial settings, as listed above. Space sprays are ONLY allowed in food areas of food handling establishments.

As Diluted Surface Spray Application:

Pest	Application Rates	Remarks
To control accessible stages of: Ants, Drugstore Beetles, Earwigs, Cockroaches, Silverfish, Beetles, Box Elder Bugs, Clover Mites, Crickets and other listed insects.	Dilute in a range of 1 part SHOCKWAVE Fogging Concentrate plus 2.25 parts suitable diluent to 1 part concentrate plus 29 parts suitable diluent, mix well and apply as a coarse wetting spray using approximately 1 gallon of spray mixture per 750 square feet (54 ml/m ²) of surface.	May be used only when the facility is not in operation provided exposed food is covered or removed from the area being treated prior to application. 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. For ants: spray directly into nests, along trails, and directly on all ants observed.

For applications in transit protection: truck beds, boxcars, ships holds, and other listed transit equipment before loading.

Pest	Application Rates	Remarks
To control accessible stages of listed insects.	Dilute concentrate with oil in a range of 1 part SHOCKWAVE Fogging Concentrate plus 2.25 parts oil to 1 part concentrate plus 29 parts oil and mix well. Apply diluted spray at the rate of 1 gallon per 1,000 square feet (40 ml/m ²).	Spray thoroughly treat walls and floors. Spray each layer of cartons or containers lightly as stacked.

FOR OUTDOOR USES:

Do not water the treated area to the point of runoff.

Do not make applications during the rain.

Do not allow adults, children, or pets to enter the treated area for at least 15 minutes, until sprays have dried.

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 apply to any fruit or nut bearing trees, shrubs, vines, or plants.

Do not apply this as a spray or broadcast application to turf other than small spot treatments around structures.

Do not use this product for area-wide mosquito adulticiding applications.

All outdoor applications, if permitted elsewhere on this label, must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses, if allowed elsewhere on this label:

(1) Applications to soil or vegetation, as listed on this label.

(2) Applications to lawns, turf, and other vegetation, as listed on this label.

As Diluted Surface Spray Application:

Pest	Application Rates	Remarks
To control ants, cockroaches, crickets, flies and other flying insects, mosquitoes, sowbugs, spiders, and ticks.	Dilute concentrate in a range of 1 part SHOCKWAVE Fogging Concentrate plus 2.25 parts oil to 1 part concentrate plus 29 parts oil and mix well. Use at the rate of 1 gallon diluted spray per 1000 square feet (40 ml/m ²).	To treat trash containers, dumpsters, and outside surfaces of buildings and other surfaces where these pests have been seen or found. Do not treat surfaces that may be stained.

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.

Do not allow adults, children, or pets to enter the treated area 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 remain in treated area. Exit area immediately and remain outside the treated area until aerosols, vapors, and/or mists have dispersed.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store 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: Nonrefillable 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 (18.9 L) 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 (18.9 L)]: 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 the skin. Causes moderate eye irritation. 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 contaminated clothing and wash before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration and the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part II. Avoid contamination of food or feedstuffs.

Remove pets, birds, and cover fish aquariums before spraying.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and other wildlife. Do not apply directly to any body of water. Do not contaminate water when disposing of equipment washwaters. 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

Do not store near heat or open flame.

FIRST AID

IF SWALLOWED:

- Immediately call a poison control center or doctor.
- Do not give any liquid to the person.
- Do not induce vomiting unless told to do so by a poison control center or a doctor.
- 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 eyes.
- Call a poison control center 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.

NOTE TO PHYSICIAN: This product contains petroleum distillate and may pose an aspiration pneumonia hazard.

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.

**SHOCKWAVE®
FOGGING CONCENTRATE**



- Provides flushing action and quick knockdown plus residual activity for indoor use as a ULV, space, area or contact spray.

- Contains NYGUARD® insect growth regulator similar to the naturally occurring insect growth hormones that interfere with insect growth and development.

- Continuous protection against stored product pests for 3 months.

- Keeps working on listed cockroaches for 180 days (6 months)

- Works to break the life cycle of listed insects.

- For use indoors and outdoors as a ULV, space, area, contact spray or thermal fog for listed insects in areas specified on the label.

- For use in and around the home and food and non-food areas of food processing plants and food service establishments.



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%
Esfenvalerate (CAS #66230-04-4).....	0.20%
2-[1-methyl-2-(4-phenoxyphenoxy) ethoxy] pyridine.....	0.10%
***OTHER INGREDIENTS	93.70%
	100.00%
*Equivalent to 1.6% (butylcarbityl) (6-propylpiperonyl) ether and 0.4% related compounds	
**MGK® 264, Insecticide Synergist	
***Contains petroleum distillate	

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

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.

Do not use in nurseries or rooms where infants, ill, or aged persons are present.

GENERAL:

SHOCKWAVE® Fogging Concentrate is designed for use undiluted in mechanical sprayers which 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 shown later on this label.

Do not apply directly to food. Do not allow spray to contact stored food or food contact surfaces. Do not apply as a space spray while food processing is underway. Cover or wash all food processing surfaces and equipment with an effective cleaning compound followed by a potable water rinse. In the home, cover all food processing surfaces, dishes and utensils before treatments or thoroughly wash before use following treatment.



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EPA Est. No. 1021-MN-2
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2.5M-0514

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

FOR THE CONTROL OF INSECTS including, but not limited to [such as]:		
Almond Moths	Face Flies	Mosquitoes that may carry and transmit West Nile Virus
Angoumois Grain Moths	Firebrats	Palmetto Bugs
Ants	Flat Grain Beetles	Pillbugs
Black Flies	Fleas	Red Flour Beetles
Box Elder Bugs	Flies	Rice Flour Beetles
Brown Dog Ticks	Flying Moths	Rice Weevils
Cadelles	Fruit Flies	Rusty Grain Beetles
Carpet Beetles	Fungus Gnats	Sawtoothed Grain Beetles
Carrion Beetles	Gnats	Silverfish
Cereal Beetles	Grain Mites	Skipper Flies
Cheese Mites	Granary Weevils	Small Flying Moths
Cheese Skippers	Hide Beetles	Sowbugs
Chocolate Moths	Horn Flies	Spider Beetles
Cigarette Beetles	Hornets	Spiders
Clothes Moths	Horseflies	Stable Flies
Clover Mites	Indian Meal Moths	Ticks
Cockroaches	Khapra Beetles	Ticks that may carry and transmit Lyme disease
Coffee Bean Weevils	Lesser Grain Beetles	Tobacco Moths
Confused Flour Beetles	Lesser Grain Borers	Warehouse Beetles
Crickets	Lesser House Flies	Wasps
Dark Mealworms	Litter Beetles	Waterbugs
Darkling Beetles	Mediterranean Flour Moths	Yellow Jackets
Deer Flies	Merchant Grain Beetles	Yellow Mealworms
Dermestid Beetles	Midges	
Drain Flies	Miller Moths	
Dried Fruit Beetles	Millipedes	
Drugstore Beetles	Mosquitoes	
Earwigs		

FOR INDOOR USES SPACE SPRAY APPLICATIONS ARE ONLY FOR USE IN FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS
A food handling establishment is an area or place other than a private residence in which food is held, processed, prepared and/or served.

FOR USE IN FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS
Do not apply while the food area is in operation. Remove or cover exposed food and food handling surfaces. Do not allow spray to contact stored food. Close room and shut off all air conditioning or ventilating equipment.

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 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 apply more than 1 time per day.

AS UNDILUTED SPACE SPRAY APPLICATION:
For application in food areas of food handling establishments:

Pest	Application Rates	Remarks
To kill exposed accessible stages of: Flies (including Fruit Flies), Mosquitoes, Small Flying Moths, Fleas, Gnats, Wasps, Hornets, Clover Mites, Cheese Mites, Cheese Skippers, Box Elder 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 Meal Worms, Dark Meal Worms, Grain Mites, Cadelles and Red Flour Beetles.	Apply at the rate of 0.5 fluid ounces undiluted SHOCKWAVE Fogging Concentrate per 1,000 cubic feet of space (0.52 ml /m ³).	Direct spray toward upper corners of room and ceiling. Leave room closed for 1/2 hour and ventilate thoroughly before re-entry. Do not apply this undiluted spray in facilities operating under Federally Inspected Facilities.
To kill: Cockroaches, Silverfish, Earwigs, Ants, Spiders	Apply at the rate of 0.5 fluid ounces undiluted SHOCKWAVE Fogging Concentrate per 1,000 cubic feet (0.52 ml /m ³) of space.	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. 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.

For application in treatment of stored food areas: For areas with foods stored in multi-walled bags, cloth bags or other packaging stored in such areas as listed for the control of accessible adult stages:

Pest	Application Rates	Remarks
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, Dried Fruit Beetles, Warehouse Beetles, Rusty Grain Beetles, Lesser Grain Beetles, Coffee Bean Weevils, Khapra Beetle and other listed pests.	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 fluid ounces per 1,000 cubic feet (1.6 ml/m ³) of room space.	Repeat application as necessary for insect control. Do not remain in treated area and ventilate before re-entry. Infested stored products should be destroyed, fumigated or treated by other effective methods using an approved product intended for this purpose.

For application in other stored food and tobacco facilities: As a space treatment around bags or other packaging and pallets containing stored peanuts, nuts, beans (including cocoa), seeds, copra, and tobacco. Do not apply directly to any exposed foodstuff or exposed tobacco.

Pest	Application Rates	Remarks
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, Dried Fruit Beetles, Warehouse Beetles, Rusty Grain Beetles, Lesser Grain Beetles, Coffee Bean Weevils, Khapra Beetles and other listed insects.	Apply as a space spray at the rate of 1.5 fluid ounces per 1,000 cubic feet (1.5 g/m ³) of space by directing the spray toward the ceiling and upper corners of the area and behind any obstructions.	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.
To kill Cockroaches.	Using an appropriate ULV spraying device, inject the aerosol spray directly into cracks and crevices.	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.

AS DILUTED SPACE SPRAY APPLICATION:
For application in food areas of food handling establishments:

Pest	Application Rates	Remarks
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, Dried Fruit Beetles, Warehouse Beetles, Rusty Grain Beetles, Lesser Grain Beetles, Coffee Bean Weevils and Khapra Beetles.	Dilute SHOCKWAVE Fogging 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(one) part concentrate to 9(nine) parts oil and mix well. Apply at the rate of 5.0 fluid ounces per 1,000 cubic feet (5.2 ml/m ³) of space, filling the room with mist. Use in mechanical fogging, thermal fogging or spraying equipment. Close room and shut off all air conditioning or ventilating equipment.	Remove or cover exposed food and cover food handling surfaces in edible product areas of food handling establishments. Food contact surfaces should be thoroughly washed with an effective cleaning compound and rinsed with potable water after use of the product. Do not apply directly to food. Do not allow spray to contact stored food or food contact surfaces. Do not apply as a space spray while food processing is underway. Cover or wash all food processing surfaces and equipment with an effective cleaning compound followed by a potable water rinse. In the home, cover all food processing surfaces, dishes and utensils before treatments or thoroughly wash before use following treatment. Vacate treated area and ventilate before re-entry.

Treatment of Areas Containing Stored Dried Fruit Products: For areas with foods stored in multi-walled bags, cloth bags or other packaging stored in such areas as listed for the control of accessible adult stages:

Pest	Application Rates	Remarks
For control of Confused Flour Beetles, Dried Fruit Beetles, Indian Meal Moths, and Sawtoothed Grain Beetles.	Dilute concentrate with oil at the rate of 1 part SHOCKWAVE Fogging Concentrate plus 29 parts oil or 4.5 fluid ounces per gallon (36 ml/L) 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 0.5 fluid ounces per 1,000 cubic feet (0.52 ml/m ³) of space.	Remove and destroy infested products. 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.

Other stored food and tobacco facilities: For areas with foods or tobacco stored in multi-wall bags or cloth bags in flour mills, grain elevators, granaries, storage rooms, warehouses:

Pest	Application Rates	Remarks
For control of Angoumois Grain Moths, Cadelles, Cheese Mites, Cheese Skippers, Cigarette Beetles, Confused Flour Beetles, Dark Meal Worms, Grain Mites, Granary Weevils, Indian Meal Moths, Mediterranean Flour Moths, Red Flour Beetles, Rice Weevils, Sawtoothed Grain Beetles, Yellow Meal Worms.	Dilute concentrate with oil at the rate of 1 part SHOCKWAVE Fogging Concentrate plus 29 parts oil or 4.5 fluid ounces per gallon (36 ml/L) 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. Use a dosage of 0.5 fluid ounces per 1,000 cubic feet (0.52 ml/m ³) of space.	Remove and destroy infested products. 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.

For federally inspected meat and poultry plants:

Pest	Application Rates	Remarks
For control of exposed or accessible stages of ants, earwigs, flies, fruit flies, gnats, mosquitoes, silverfish, small flying moths, spiders and waterbugs.	Dilute one part SHOCKWAVE Fogging Concentrate with 3 parts base oil (refined kerosene) and use with a ULV spraying device at the rate of one fluid ounce per 1,000 cubic feet (1.0 ml/m ³) of room space.	Apply the 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. 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 or general surface spray only when plant is not in operation. Do not apply directly to food. Do not allow spray to contact stored food or food contact surfaces. Do not apply as a space spray while food processing is underway. Cover or wash all food processing surfaces and equipment with an effective cleaning compound followed by a potable water rinse. In the home, cover all food processing surfaces, dishes and utensils before treatments or thoroughly wash before use following treatment.
To kill litter beetles (Such as Darkling, Hide, and Carrion Beetles).	Dilute 1 part SHOCKWAVE Fogging Concentrate with 5 parts of a suitable oil. Using a power or proportioner-type sprayer, apply a uniform spray at pressures of 80-100 pounds per square inch to walls, posts, cage framing (birds grown in cages only). Application should also be made into cracks and crevices in and around insulation. One gallon of diluted spray covers 1,000 sq. ft (40 ml/m ³).	SHOCKWAVE Fogging Concentrate can be applied to litter, such as poultry houses infested with litter beetles. Remove animals prior to treatment. Treat surfaces after animals are removed. Treat walls and floors and all areas where beetles frequently occur. Do not contaminate food/feed or water. Reapply after each growout or sanitation procedure. Indoor control can be enhanced by making perimeter treatments around the outside of building foundations to prevent immigrating adult beetles. Apply SHOCKWAVE Fogging Concentrate in a uniform band at least 1 foot up (0.3 m) and 1-4 feet (0.3 – 1.2 m) out from foundation. Maintaining a year-round treatment program will prevent background populations from reaching problem levels.

For applications in zoos:

Pest	Application Rates	Remarks
To kill flies, gnats, mosquitoes, small flying moths.	As a space spray diluted for use in conventional mechanical fogging equipment, dilute 1 part SHOCKWAVE Fogging Concentrate plus 29 parts oil (refined kerosene) and mix well. Apply at a rate of 2 fluid ounces per 1,000 cubic feet (2.08 ml/m ³) 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. Do not contaminate animal foods, feeds or water by application or drift.