



**LICENSED**

PERIOD **2015-2017** LIC. NO.

PERIOD **2012-2014** LIC. NO. **9454.176**

Prescription Treatment<sup>®</sup> brand  
**PYRI-SHIELD<sup>®</sup> EC**

Emulsifiable Concentrate Premise Insecticide

Contains Nylar<sup>®</sup> Insect Growth Regulator

**ACTIVE INGREDIENT:**

2-[1-Methyl-2-(4-phenoxyphenoxy)ethoxy] pyridine . . . . . 1.30%

\*OTHER INGREDIENTS: . . . . . 98.70%

\*Contains petroleum distillates TOTAL: 100.00%

Nylar<sup>®</sup> - Registered trademark of McLaughlin Gormley King Co.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See inside booklet/back panel for First Aid, Precautionary Statements, Directions for Use and Storage and Disposal.

EPA Reg. No. 1021-1620-499

EPA Est. No. 1021-MN-2<sup>A</sup> • EPA Est. No. 7969-MO-1<sup>B</sup>  
 (See Code in lot number.)

**Net Contents: 1 pt**

Distributed by:  
 Whitmire Micro-Gen  
 Research Laboratories, Inc.<sup>®</sup>  
 3568 Tree Court Industrial Blvd.  
 St. Louis MO 63122-6682  
 Questions? Call 1-800-777-8570  
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 Research Laboratories, Inc.<sup>®</sup>

81040329 120710-52 30472239

**DISCONTINUED**

PYRI-SHIELD<sup>®</sup> EC

**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 eyes 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 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 distillate - 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.

**PRECAUTIONARY STATEMENTS  
 HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
 CAUTION**

Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish and aquatic invertebrates. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. Observe the most restrictive of labeling limitations and precautions of all products used in mixtures.

**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 possibility of shock hazard.

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Store in a cool, dry area under lock and key. Post as a pesticide storage area. Always store pesticides in the original container. Store away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Place liquid formulations on lower shelves and dry formulations above.

**PESTICIDE DISPOSAL:** To avoid wastes, use all materials in the containers 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. 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 1/4 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. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill or by incineration. Do not burn unless allowed by state and local ordinances.

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**FOR CONTROL OF:** Fleas, Stored Product Pests, Listed  
Roaches, Crickets, Litter Beetles, and Flying Insects

**FOR USE IN:** the Home and in Nonfood areas of  
Restaurants, Food Processing Plants, NonFood  
Warehouses, Grocery Stores and Supermarkets,  
Schools, Office Buildings, Apartments, Hotels and  
Motels, Hospitals, Tobacco Plants and Warehouses,  
Manufacturing Plants, Commercial and Industrial  
Buildings, Transportation Equipment (Automobiles,  
Boxcars, Buses, Boats, Trucks, Railcars, Ship Cargo  
Holds), and outside on Lawns and Building Perimeters

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contaminate water by cleaning of equipment or  
disposal of equipment wash waters. Observe  
the most restrictive of labeling limitations and  
precautions of all products used in mixtures.

**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 possibility of  
shock hazard.

**FOR USE IN AREAS SUCH AS:** Animal Quarters  
(enclosed premise treatment), Apartments,  
Atriums, Attics, Automobiles, Bakeries, Bathrooms,  
Basements, Bedrooms, Boats, Breweries, Buses,  
Cabinets, Cabins, Cafeterias, Campers, Campsites,  
Candy Plants, Canneries, Carpets, Cat Living/  
Sleeping Quarters (enclosed premise treatment),  
Cereal Processing Facilities, Chests, Closed  
Porches, Closets, Clothes Storage, Commercial  
Buildings, Condominiums, Convenience Stores,  
Crawl Spaces, Crematoriums, Dairies, Day  
Care Centers, Decks, Delicatessens, Dens, Dog  
Houses, Dog Living/Sleeping Quarters, Dog  
Kennel Runs, Dormitories, Draperies, Dressers,  
Drive-Ins, Drugstores, Fabric Storage Areas,  
Factories, Floors, Flour Mills, Food Processing  
Plants, Nonfood Warehouses, Funeral Parlors,  
Furniture, Garages, Garbage Areas, Garbage  
Cans, Gas Stations, Gazebos, Grain Storage  
Facilities, Grocery Stores, Homes, Hospitals,  
Hotels, Indoor Eating Establishments, Industrial  
Plants, Institutional Dining Areas, Institutions, Jails,  
Kennels, Kitchens, Lanais, Lawns, Living Rooms,  
Locker Rooms, Mass Merchandising Stores,  
Mausoleums, Mess Halls, Mobile Canteens, Mobile  
Homes, Morgues, Mortuaries, Motels, Nursing  
Homes, Office Buildings, Other Public Buildings,  
Outdoor Eating Establishments, Pantries, Parks,  
Patios, Pet Bedding, Pet Carriers, Pet Grooming  
Parlors, Pet Sleeping Areas, Pet Stores, Pet  
Quarters (enclosed premise treatment),

Play Houses, Play Rooms, Porches, Prisons,  
Recreational Areas Indoors, Recreational Areas  
Outdoors, Recreation Vehicles, Restaurants,  
Rooms, Rugs, Schools, Ships, Shutters, Side Yards,  
Solariums, Sports Stadiums, Storage Areas, Sun  
Rooms, Sun Porches, Supermarkets, Taverns,  
Theaters, Tobacco Plants and Warehouses, Town  
Houses, Trailers, Trains, Transportation Equipment  
(Automobiles, Boxcars, Buses, Boats, Trucks, Railcars,  
Ship Cargo Holds), Tree Houses, Upholstered  
Furniture, Utility Room Indoor, Utility Room Outdoor,  
Vending Machines, Verandas, Veterinary Clinics  
and Hospitals, Warehouses, Washrooms and Zoos.

**DIRECTIONS FOR USE  
IT IS A VIOLATION OF FEDERAL LAW  
TO USE THIS PRODUCT IN A MANNER  
INCONSISTENT WITH ITS LABELING.**

**THIS PRODUCT IS NOT LABELED FOR  
USE IN FOOD AREAS OF COMMERCIAL  
FOOD HANDLING ESTABLISHMENTS,  
BUT MAY BE USED IN NON-FOOD  
AREAS OF COMMERCIAL FOOD  
HANDLING ESTABLISHMENTS.**

NOTE: When used in hospital rooms, convalescent  
hospital rooms, and nursing home rooms, patients  
should be removed prior to treatment. Ventilate  
treated rooms thoroughly for 2 hours after treatment.  
Do not return patients to treated room until after  
ventilation.

**READ ALL DIRECTIONS COMPLETELY  
BEFORE USE**

Follow directions for specific use areas. Do not  
wet carpet, draperies and furniture excessively.  
Always test in an inconspicuous area prior to use as  
some natural and synthetic fibers may be adversely  
affected by any liquid product.

**FOR FLEA CONTROL**

Flea eggs deposited on treated areas will not devel-  
op into adult fleas. Flea larvae crawling onto treated  
surfaces will also not develop into adult fleas. This  
product eliminates the flea population when used as  
directed. This product causes a gradual reduction  
and ultimate elimination of the flea population by  
breaking the reproductive cycle.

This product stops the flea life cycle and inhibits the development of the immature stages of the flea for 7 months preventing them from reaching the biting adult stage. Existing adult fleas and flea pupae are not affected.

If a high population of adult fleas is present, the use of an adulticide may be necessary for immediate relief. This concentrate may also be combined with a flea adulticide. This product compliments the rapid activity of the adulticide by providing long term control of preadult fleas before they mature and become biting adults.

Flea control on pets is important in the prevention of the introduction of adult fleas. Pets, their bedding and the areas they frequent should also be treated with EPA registered flea and tick control products such as, flea or flea and tick collar, pet powder, pet spray, pet dip, pet shampoo, flea shampoo or flea and tick shampoo, as part of a complete flea control program in conjunction with this application to minimize the introduction of adult fleas.

This product can be used prior to the flea season. Application of this product in areas where pets and other animals are known to frequent and where previous infestations have been known to occur will prevent the emergence of adult fleas and also control immature stages of fleas. This early usage could reduce the need for conventional insecticides when used alone as directed. Pretreatment of these areas before the fleas become biting and reproductive adults will aid in reducing developing populations.

NOTE: See chart on next page.

Flea Control	Treatment	Spray Solution Preparation	Coverage per unit area	Comments
Indoor Flea Control	General Surface Application (including Broadcast, Spot and Crack & Crevice) In conjunction with carpet shampoo	1 fl oz of concentrate per gallon of water 1 fl oz of concentrate per gallon of shampoo dilution	1 fl oz of concentrate diluted per gallon per 1,500 ft <sup>2</sup> 1 fl oz of concentrate per volume of dilute shampoo to treat 1,500 ft <sup>2</sup>	• Use in conjunction with an adulticide to provide immediate control of adult fleas and flea pupae. • Treat animals with an EPA registered flea control product. • Reapply exterior applications every 21 days.
In Kennels and Doghouses	General Surface Application (including Broadcast, Spot and Crack & Crevice)	1 fl oz of concentrate per gallon of water	1 fl oz of concentrate diluted per gallon per 1,500 ft <sup>2</sup>	
Outdoor Flea Control	General Surface Application (including Broadcast, Spot and Crack & Crevice)	1 fl oz of concentrate in sufficient volume of water to achieve thorough coverage	1 fl oz of concentrate diluted in sufficient volume of water per 1,000 ft <sup>2</sup>	

#### INDOOR FLEA CONTROL

Prior to treatment, carpets, draperies and upholstered furniture should be vacuumed thoroughly and the vacuum cleaner bag disposed of in an outdoor trash receptacle. Remove pets from area to be treated. After treatment, do not allow children and pets into treated areas until spray has dried.

**INSTRUCTIONS FOR USE:** This concentrate is mixed with water and applied with spray equipment such as any low pressure sprayer typically used for indoor applications.

**SPRAY PREPARATION:** Prepare a diluted spray solution by adding 1 fl oz of this concentrate per gallon of water. Partially fill the mixing container with water, add concentrate, agitate and fill to final volume. Mix before each use.

**IN CONJUNCTION WITH AN ADULTICIDE INSECTICIDE:** This concentrate can be mixed with other pesticides registered for adult control of fleas in accordance with the most restrictive of label limitations and precautions. No label dosage rates may be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing. The combination would provide immediate control of adult fleas and inhibit the development of the immature stages of the flea for 7 months. Use this product at application rates specified above.

**GENERAL SURFACE APPLICATION:** Apply product diluted spray at the rate of 1 gal/1,500 ft<sup>2</sup> of surface area. Treat all areas that may harbor fleas, including carpets, furniture, pet sleeping areas and throw rugs. Treat under cushions of upholstered furniture. Do not allow children or pets to contact treated surfaces until spray has dried.

**IN CONJUNCTION WITH CARPET SHAMPOO:** This concentrate may be combined with a liquid, non-heat extracting carpet shampoo application. Following dilution instructions on carpet shampoo, add 1 fl oz of concentrate per gallon of diluted shampoo to be applied to carpet. Mix well and shampoo carpet as per instructions on the shampoo product label using approximately 1 gal of diluted shampoo to treat 1,500 ft<sup>2</sup>. Allow carpet to completely dry and vacuum thoroughly.

**IN KENNELS AND DOGHOUSES:** Treatment of these areas will stop the development of pre-adult fleas from becoming biting and reproductive adult fleas. Using an adjustable hose-end sprayer, tank type sprayer or sprinkling can, prepare a diluted spray solution by adding 1 fl oz/gal of water. Partially fill the sprayer with water, add required amount of concentrate in sprayer, agitate and fill to final volume. Agitate before each spray.

Apply at a rate of 1 gal diluted solution per 1,500 ft<sup>2</sup> of surface area. Apply to resting areas, walls, floor, animal bedding and run areas. Remove animals before spraying and do not return animals to treated areas until spray has dried completely. Pets and their bedding should also be treated with EPA registered flea and tick control products, such as flea or flea and tick collar, pet powder, pet spray, pet dip, pet shampoo, flea shampoo or flea and tick pet shampoo, in conjunction with this application as part of a complete flea control program to prevent the introduction of adult fleas.

#### OUTDOOR FLEA CONTROL

Apply diluted product, to areas where pets normally frequent such as under trees, ornamental plants and shrubs. This product acts on the immature life stages of the flea, preventing the development of adult fleas. Flea eggs deposited on treated areas will not develop into adult fleas. Flea larvae crawling onto treated surfaces will also not develop into adult fleas. This product eliminates the flea population when used as directed. This product controls the flea population by inhibiting reproduction. This product causes a gradual reduction and ultimately eliminates the flea population by breaking the reproductive cycle. This product does not affect existing adult fleas and flea pupae. Application on soil surfaces will provide 21 days of IGR activity.

**SPRAY PREPARATION:** Using a hose-end sprayer, tank type sprayer or sprinkling can, prepare a diluted spray solution by adding 1 fl oz of concentrate to 5 - 15 gal of water, depending on equipment used to cover 1,000 ft<sup>2</sup>. Partially filling the sprayer with water, add concentrate, agitate and fill with water to the final volume. Agitate before each spray.

Spray using a slow, even sweeping motion, being sure to cover surface areas where pets normally frequent. Avoid soaking young or flowering plants. One tsp/gal will cover 166 ft<sup>2</sup> for treating pet resting areas. Do not apply under windy conditions. Do not apply this product in or around bodies of water. Repeat application in 21 days.

Remove animals before spraying and do not allow animals or children to return to treated areas until spray has dried completely. Pets and their bedding should also be treated with EPA registered flea and tick control products, such as flea or flea and tick collar, pet dust, pet spray, pet dip, pet shampoo, flea shampoo or flea and tick pet shampoo, in conjunction with this application as a part of a complete flea control program to prevent the introduction of adult fleas.

**FOR GERMAN, ASIAN, AND BROWN BANDED COCKROACH AND CRICKET CONTROL**

The active ingredient in this product is an insect growth regulator. It acts on the immature life stages of the cockroach and cricket, preventing nymphal cockroaches and crickets from developing into adults. Shortly after application of this concentrate cockroaches with twisted wings will begin to appear, indicating that this product has taken effect - those cockroaches with twisted wings are unable to reproduce. This product eliminates the cockroach and cricket population when used as directed. One treatment works for 180 days against hatching cockroaches and crickets.

If high populations of adult cockroaches are present, the use of an adulticide may be necessary for immediate control. This product causes a gradual reduction in the cockroach population by interrupting the life cycle of the cockroach and preventing the cockroaches from breeding. This product may also be combined with a cockroach adulticide. This product compliments the rapid activity of the adulticide by providing long term control of cockroach nymphs before they become breeding adults.

NOTE: See chart on next page.

Cockroach and Cricket Control	Treatment	Spray Solution Preparation	Coverage per unit area	Comments
Indoor	General Surface Application (including Broadcast, Spot and Crack & Crevice)	2 fl oz of concentrate per gallon of water	2 fl oz of concentrate diluted per gallon of water per 1,000 ft <sup>2</sup> or 1,000 linear feet for Crack & Crevice	• Use in conjunction with an adulticide to provide immediate control of adult insects.
Outdoor	Perimeter Crack & Crevice	2 fl oz of concentrate per gallon of water	2 fl oz of concentrate diluted per gallon of water per 1,000 linear feet	

**FOR INDOOR COCKROACH AND CRICKET CONTROL**

**INSTRUCTIONS FOR USE:** This concentrate is mixed with water and applied with spray equipment such as a low pressure sprayer typically used for indoor applications.

**SPRAY PREPARATION:** Prepare a diluted spray solution by adding 2 fl oz of this concentrate per gallon of water. Partially fill the mixing container with water, add concentrate, agitate and fill to the final volume. Agitate before each spray.

**DILUTION FOR FOGGING APPLICATION:** To prepare the fogging solution, mix 1 fl oz of this concentrate with 1 fl oz of petroleum distillate or 1 fl oz of water and agitate to assure a uniform mixture. The resulting 2 fl oz of solution will then be used to fog 1,900 ft<sup>3</sup> of space.

**IN CONJUNCTION WITH AN ADULTICIDE INSECTICIDE:** This product can be mixed with other pesticides registered for adult control of cockroaches in accordance with the most restrictive of label limitations and precautions. No label dosage rates may be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing. The combination would provide immediate control of adult cockroaches and inhibit the development of the immature stages of the cockroach eggs for 180 days. Use product at application rates specified above.

**GENERAL SURFACE APPLICATIONS – COCKROACHES Brown Banded Cockroach, Asian Cockroach, German Cockroach, and Cricket:** Apply diluted spray at the rate of 1 gal/1,000 ft<sup>2</sup> of surface area as a spot treatment, surface application and Crack & Crevice spray. Contact as many insects as possible with this spray in addition to thorough spraying of all parts of the room suspected of harboring these pests. Special attention should be paid to hiding places such as beneath sinks, behind and beneath stoves and refrigerators, cracks and crevices, around garbage cans, cabinets, along the outside of baseboards, door and window sills, door and window frames and floors, around and on drains, pipes, plumbing, behind bookcases, storage and other utility instal-

lation areas, infested furniture and the inside of cabinets and closets hitting insects with spray whenever possible.

**FOR OUTDOOR PERIMETER TREATMENTS FOR COCKROACHES AND CRICKETS**

Prepare a diluted spray solution by adding 2 fl oz of this concentrate per gallon of water into any low-pressure sprayer. At the rate of 1 gal/1,000 ft, apply in a band 2 - 4 ft adjacent to and around the structure and apply to a height of 2 - 3 ft on the foundation where pests may be active or may find entrance. Apply as a surface spray around window frames, doors, garage doors, patios, decks, carports, and shutters, around garbage areas, sill plates and other areas where cockroaches may congregate. Do not apply as a space spray. Do not apply under windy conditions. Do not apply this product in or around bodies of water.

**FOR CONTROL OF STORED PRODUCT PESTS** Including Indianmeal Moths, Rice Moths, Tobacco Moths, Red Flour Beetles, Confused Flour Beetles, Lesser Grain Borers, Merchant Grain Beetles, Sawtoothed Grain Beetles, Warehouse Beetles, Cigarette Beetles and Dermisted Beetles

**NONFOOD WAREHOUSES:** This product may be applied as a general surface, fogger, spot or Crack & Crevice treatment in nonfood storage warehouses. Apply to all areas that may harbor pests, including under and between pallets. Repeat application in 90 days.

**TREATMENTS IN FOOD HANDLING ESTABLISHMENTS (Places other than private residences in which food is held, processed, prepared or served)**

**NONFOOD AREAS:** This product may be used to treat nonfood areas. Nonfood areas include areas such as 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).

Do not use in food/feed areas of food/feed handling establishments, restaurants or other areas where food/feed is commercially prepared or processed.

**SPRAY PREPARATION FOR SURFACE, SPOT, AND CRACK & CREVICE APPLICATIONS:**

Prepare a diluted spray solution by adding 1.5 fl oz of this concentrate per gallon of water. Partially fill the mixing container with water, add concentrate, agitate and fill to final volume. Agitate before each spray application.

**TANK MIXING:** This product can be mixed with other pesticides in accordance with the most restrictive of label limitations and precautions. No label dosage rates may be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing.

NOTE: See chart on next page.

Stored Product Pests	Treatment	Spray Solution Preparation	Coverage per unit area	Comments
Nonfood areas	General Surface Application (Including Broadcast, Spot and Crack & Crevice)	1.5 fl oz of concentrate per gallon of water	1.5 fl oz of concentrate diluted per 1,500 ft <sup>2</sup> of water per 1,000 linear feet for Crack & Crevice	<ul style="list-style-type: none"> <li>Use in conjunction with an adulticide to provide immediate control of adult insects.</li> </ul>
Nonfood areas	Fogging / ULV	1.5 fl oz diluted in appropriate carrier	1.5 fl oz of concentrate diluted in appropriate carrier per 12,000 ft <sup>3</sup>	

**GENERAL SURFACE APPLICATIONS:** Apply diluted spray at a rate of 1 gal/1,500 ft<sup>2</sup>. Apply with a sprayer that will give coarse, wet droplets. Spray surfaces, into cracks and crevices in walls and floors, under and between pallets, areas at the base of machinery and equipment, under furniture, in mop and equipment closets, behind cabinets, under shelves and racks, around pipes and openings in floors and walls, along baseboards, in wall voids, and other areas where insects seek harborage. Contact as many insects as possible. Repeat application in 90 days.

**SPOT AND CRACK AND CREVICE APPLICATIONS:** Apply diluted spray solution using a pressurized spray system capable of delivering a pinpoint or variable spray pattern. Crack & Crevice applications may be made directly to areas such as crevices, baseboards, floors, ceilings, walls, expansion joints, molding, areas around water and sewer pipes, voids where pests can hide and similar areas. Spot treatments may also be made to areas including storage areas, closets, around water pipes, doors and windows, behind and under refrigerators, cabinets, sinks, stoves and other equipment, shelves, drawers and similar areas.

**FOGGING APPLICATIONS:** This product may be applied as a fog or ultra-low volume (ULV) application with equipment such as ULV equipment, mechanical misting sprayers, aerosol generators, or thermal foggers. To prepare the fogging solution, follow the equipment manufacturer's solution preparation instructions. For fogging applications, this concentrate may be diluted with water or petroleum distillate. Apply at a rate of 1.5 fl oz of this concentrate diluted in appropriate carrier per 12,000 ft<sup>3</sup>. Fogging applications are recommended for larger facilities including food and nonfood warehouses. Close area to be treated and shut off all ventilation systems. Apply the product in the air and direct fog or mist toward all areas that may harbor target pests. After treatment, leave the room closed for 30 minutes or longer as recommended by the equipment manufacturer or the labels of other products applied in tank mixing. Do not remain in treated area. Ventilate thoroughly before reentry.

**FOR CONTROL OF LITTER BEETLES (Such as Darkling, Hide and Carrion Beetles)**

This product can be applied to litter, such as in poultry houses infested with litter beetles, to break the lifecycle of these insect pests. Make uniform application of this product to litter at the rate of 1 fl oz of concentrate per 1,000 ft<sup>2</sup> space in sufficient volume of water to achieve thorough coverage. For effective prevention of beetle larvae in litter, remove animals from immediate treatment area and old litter. Surface treat immediately after animals are removed and again just prior to new animal placement is most effective. Adult egg-laying beetles can be killed with fast-acting adulticides. Application of adulticides to walls and floors at cleanout, before reintroduction of animals, will suppress beetles that escaped earlier treatment and will help delay onset of future infestations. Pay attention to areas where beetles frequently occur, such as walls, supports, cages, stalls and around feeders. Cover or remove exposed food, feed, water and watering equipment.

Apply uniformly at the rate of 1 fl oz of concentrate per 1,000 ft<sup>2</sup> to floor area and to walls, posts, and cage framing (birds grown in cages only). Application should also be made into cracks and crevices around insulation. Reapply after each grow out or sanitization procedure. Indoor control can be enhanced by making perimeter treatments around the outside of building foundations to prevent immigrating adult beetles. Apply this product or adulticide insecticides, or both, in a uniform band at least 1 ft up and 1 - 4 ft out from foundation. Maintaining a year-round treatment program will prevent background populations from reaching problem levels.

NOTE: See chart on next page.

Litter Beetle Control	Treatment	Spray Solution Preparation	Coverage per unit area	Comments
In Poultry Houses	General Surface Application (including Broadcast, Spot and Crack & Crevice)	1 fl oz of concentrate in sufficient volume of water to achieve thorough coverage	1 fl oz of concentrate diluted in sufficient volume of water to achieve thorough coverage per 1,000 ft <sup>2</sup> or 1,000 linear feet for Crack & Crevice	<ul style="list-style-type: none"> <li>Use in conjunction with an adulticide to provide immediate control of adult Litter Beetles.</li> <li>Do not apply to interior areas where animals are present.</li> </ul>

#### FOR CONTROL OF ANTS

Apply this product at the rate of 2 fl oz diluted in 1 gal of water per 1,000 ft<sup>2</sup> to interior areas where ants are actively foraging and in a band 6 - 10 ft wide adjacent to the exterior foundation wall of the building. This product may be used alone, with alternating treatments of an adulticide insecticide, or in a tank mix combination with an adulticide insecticide.

If needed, repeat treatments with this concentrate may be made 14 days after previous treatment or if heavy rainfall occurs repeat application.

NOTE: See chart on next page.

Ant Control	Treatment	Spray Solution Preparation	Coverage per unit area	Comments
Interior and Exterior applications	General Surface Application (including Broadcast, Spot and Crack & Crevice)	2 fl oz this concentrate per gallon of water thoroughly wet surface being treated	2 fl oz of concentrate diluted per gallon of water per 1,000 ft <sup>2</sup> or 1,000 linear feet for Crack & Crevice	<ul style="list-style-type: none"> <li>Use in conjunction with an adulticide to provide immediate control of adult ants.</li> </ul>

#### FOR CONTROL OF FLYING INSECT PESTS Such as Flies, Moths, Midges, Mosquitoes & Gnats

**GENERAL SURFACE TREATMENTS:** For control of Houseflies, Stable Flies, Moths, Mosquitoes, Nuisance Flies (Gnats, Midges) and other similar flying pest insects such as those classified as Dipterous or Hymenopterous. This product effects both adult and juvenile stages. In Houseflies, this product causes a decrease in the number and hatching of eggs laid by treated adults. Fly larvae (maggots) show physiological and functional defects leading to the inability to develop into normal adults. When used alone, this insect growth regulator will result in a reduction in adult fly populations after 3 - 4 weeks when previously hatched adult flies have died naturally.

This product may be used for control of flying insect pests in those areas in, on and around residential, commercial, public, industrial and agricultural buildings. For the purposes of controlling general and occasional insect pests, this product may be used to control nuisance flies, gnats, midges, and mosquitoes by application into moist breeding areas (potted plants, moist debris or litter) or into areas holding standing water such as gutters, drains, pools and fountains.

- Do not apply directly to any natural bodies of water such as ponds, lakes, streams, rivers, marshes, potholes and estuaries.
- If needed, repeat treatments may be made 14 days after previous treatment or, if heavy rainfall occurs, repeat application.

**TREATMENTS IN COMBINATION WITH AN ADULTICIDE:** For knockdown and more rapid control of adult flying insect pests or to control an influx of flies from untreated areas, use this product in alternation or in a tank mix combination with an adulticide insecticide. The combination would provide for immediate control of adult flying insects such as flies on resting surfaces such as walls and overhead areas while preventing immature insect stages from developing into adults.

**TANK MIXING:** This concentrate can be mixed with other pesticides in accordance with the most restrictive of label limitations and precautions. No label dosage rates may be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing. Prepare the tank mix using the recommended label rate of adulticide and this product by adding the adulticide first and making sure it is well mixed and in suspension and then adding the correct amount of this concentrate according to the label instructions below.

NOTE: See chart on next page.

Flying Insect Control	Treatment	Spray Solution Preparation	Coverage per unit area	Comments
Indoor and Outdoor	General Surface Application (including Broadcast, Spot and Crack & Crevice)	1 fl oz of concentrate in sufficient volume of water to thoroughly wet the surface being treated	1 fl oz of concentrate diluted in sufficient volume of water to thoroughly wet surface per 1,500 ft <sup>2</sup> or 1,000 linear feet for Crack & Crevice	<ul style="list-style-type: none"> <li>Use in conjunction with an adulticide to provide immediate control of adult insects.</li> </ul>
	Fogger / ULV treatment	1.5 fl oz of concentrate diluted in carrier	1.5 fl oz of concentrate diluted in carrier per 12,000 ft <sup>2</sup>	

#### TREATMENTS IN, ON AND AROUND LIVESTOCK AND POULTRY HOUSING AND PET KENNELS

This product may be used by pest control operators or livestock producers in livestock housing structures (including poultry houses) and pet kennels to control flying insect pests. Remove pets from kennels before treatment. Apply as a general surface, fogger/ULV or a crack and crevice application to areas where flying pests collect or breed.

For surface applications, thoroughly wet floors, walls, ceilings, and doors, around windows, garbage and refuse areas. When used as directed, control will be enhanced when facilities are cleaned and interior applications are supplemented with exterior perimeter treatments.

- Treat birdcages or stock pens only after removal of animals.
- Do not make interior applications of this product in areas of facility where animals are present.
- Allow treated areas to dry before allowing animals back in treated areas of facility.
- Cover or remove exposed food, feed, water and watering equipment.

#### TREATMENTS TO INTERIOR AREAS AND SURFACES:

Use 1 fl oz of concentrate per gallon of water and apply to 1,500 ft<sup>2</sup> of surface area or in sufficient volume to achieve adequate coverage. Treat all areas where flying insects may collect, rest or breed, including vertical walls, ceilings, pipes, conduits, stalls, stanchions, floors, and walkways. When this product is used alone, treatments can be extended to animal bedding, manure, and other potential areas where flying insects may breed.

#### TREATMENTS TO PERIMETER AREAS AND SURFACES:

Use 1 fl oz of concentrate per gallon of water and apply to outside surfaces of buildings, porches, patios, garages and other areas where these pests have been seen or found. For perimeter control, make a general surface application of 1 fl oz of product diluted in water to cover 1,500 ft<sup>2</sup> or in sufficient volume to achieve adequate coverage. To help prevent infestations of buildings by flying

insects, treat soil, vegetation or other substrates in a band 6 - 10 ft wide adjacent to the building foundations, walls, around doors and windows, and overhead areas where these pests are active and may find entrance or harborage.

#### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a cool, dry area under lock and key. Post as a pesticide storage area. Always store pesticides in the original container. Store away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Place liquid formulations on lower shelves and dry formulations above.

**PESTICIDE DISPOSAL:** To avoid wastes, use all materials in the containers 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. 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. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill or by incineration. Do not burn unless allowed by state and local ordinances.