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10/4/2004

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7446-0704



PYROCID® Fogging Concentrate 7446

8810 Tenth Avenue N. / Minneapolis, Minnesota 55427-4372 U.S.A.

TELEPHONE (763) 544-0341

Waterbased ULV

- Kills Mosquitoes
- Kills Biting Flies
- Kills Fleas
- Kills Ticks
- Kills Spiders
- Kills Stored Product Pests
- Kills Flying Insects
- Kills Crawling Insects
- Kills Cockroaches
- Kills Ants
- Kills Crickets

For Use Indoors
For Use Outdoors

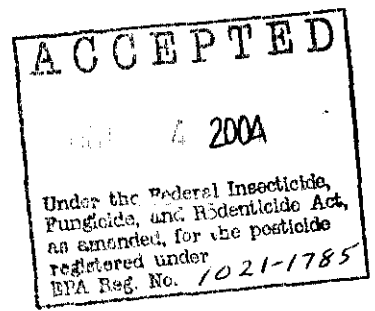
Area Spray
ULV Spray
Contact Spray
Space Spray

In Poultry Houses
On Poultry
On Livestock

Flushing Action
Fast Acting

Effective
Quick Knockdown

Hose-End Applications



ACTIVE INGREDIENTS:

Pyrethrins	5.00%
* Piperonyl butoxide, Technical	25.00%
OTHER INGREDIENTS	70.00%
	<u>100.00%</u>

* Equivalent to 20.00% (butylcarbityl) (6-propylpiperonyl) ether and 05.00% related compounds.

PYROCID® - Registered trademark of McLaughlin Gormly King Company

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID	
IF SWALLOWED	<ul style="list-style-type: none"> Immediately call 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 ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> 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.
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 the International Poison Center at 1-888-740-8712.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or absorbed through the skin. Wash thoroughly with soap and water after handling. Avoid contact with skin, eyes, or clothing. Avoid contamination of food or feedstuffs.

Remove pets, birds, and cover fish aquariums before spraying. Avoid exposure to reptiles to this product.

Do not apply space spray while food processing is underway. Cover or remove all food processing surfaces. Thoroughly wash all food processing surfaces before reuse. After spraying in bakeries, meat packing plants, food processing plants, etc., all benches, shelving, equipment, etc. where exposed food will be handled must be washed with an effective cleaning compound followed by a potable water rinse to remove all traces of contamination. Food processing operations do not have to be stopped while applying a wet spray with care and in accordance with the directions and cautions above in those establishments which do NOT operate under Federal meat, poultry, shell egg grading and egg products inspection programs.

Do not apply directly to food, water or feed supplements. Do not contaminate milk or milk handling equipment. Wash udder and teats of dairy animals before milking.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and other aquatic invertebrates. 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.

INDOOR AREAS for use in and around: [such as]:

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

OUTDOOR AREAS for use in and around: [such as]: Alleys, Amphitheaters, Amusement Parks, Athletic Fields, (baseball, football, soccer), Back Yards, Balconies, Baseball Fields, Beaches, Bleachers, Bridges, Carwashes, Campgrounds, Circuses, Construction Sites, Corrals, Courtyards, Curbs, Drive-In Restaurants, Drive-In Theaters, Dumpsters, Fair Grounds, Feedlots, Front Yards, Game Fields, Garbage Dumps, Gazebos, Golf Courses, Grandstands, Junk Yards, Game Fields, Kennels, Levees, Manure Piles, Marinas, Outdoor Eating Establishments, Parks, Parking Lots, Patios, Playgrounds, Ranges, Recreational Areas, Rest Areas, Roadsides, Rooftops, Sanitary Sewers (Manholes), Side Yards, Side Walks, Stadiums, Tennis Courts, Truck Stops, Underpasses, Utility Room Outdoor, Weigh Stations, Wild Animal Parks, Wood Piles, Zoos and other similar areas.

FOR USE ON: [such as]: Beefalo, Birds, Buffalo, Calves, Cattle [beef] [milking], Chickens, Donkeys, Ducks, Emus, Exotics such as European Red Deer, Geese, Horses, Lambs, Llamas, Mules, Ostrich, Oxen, Pheasants, Pigs, Ponies, Pullets, Quail, Ratites, Roosters, Sheep, Swine, Turkeys.

FOR THE CONTROL OF INSECTS including: [such as]:

Almond Moths, Angoumois Grain Moths, Ants, Black Fly, Blood Sucking Lice, Boxelder Bugs, Brown Dog Ticks, Cadelles, Carpet Beetles, Cereal Beetles, Cheese Mites, Cheese Skippers, Chocolate Moths, Cigarette Beetles, Clothes Moths, Clover Mites, Cockroaches, Coffee Bean Weevils, Confused Flour Beetles, Crickets, Dark Mealworms, Darkling Beetles, Deer Flies, Deer Ticks, Dermestid Beetles, Dried Fruit Beetle, Drugstore Beetles, Earwigs, Face Fly, Firebrat, Flat Grain Beetles, Fleas, Flies, Fruit Flies, Gnats, Grain Mites, Granary Weevils, Horn Flies, Hornets, Horseflies, Indian Meal Moths, Khapra Beetles, Lesser Grain Borers, Lesser House Fly, Mediterranean Flour Moths, Merchant Grain Beetle, Midges, Millers, Millipedes, Mosquitoes, Flying Moths, Palmetto Bugs, Pillbugs, Red Flour Beetles, Rice Flour Beetles, Rusty Grain Beetles, Sawtoothed Grain Beetle, Silverfish, Skipper Fly, Spiders, Spider Beetles, Stable Flies, Sowbugs, Ticks, Ticks that may carry and transmit Lyme Disease, Tobacco Moths, Trogloderma Beetles, Warehouse Beetles, Wasps, Waterbugs, Yellow Jackets, Yellow Mealworms.

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 AND FOLLOW ALL DIRECTIONS AND PRECAUTIONS WHEN USING PRODUCT.

For best results, follow directions for specific use areas.

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, Saw-Toothed 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. Close room and shut off all air conditioning or ventilating equipment. Apply at the rate of 1/2 to 1 fluid ounce 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 adjusted to deliver aerosol droplets. Direct the spray first into all crack 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, directing the spray into upper corner areas of room and ceiling, apply at a rate of 1 fluid ounce per 1,000 cubic feet of space. Facilities and equipment in federally inspected meat and poultry plants must be washed with an effective cleaning compound and rinsed with potable water after spraying. Vacate treated area and leave the room closed for 1 hour. Ventilate thoroughly before re-entry.

DRIED FRUIT PRODUCT STORAGE AREAS: In storage or being processed for control of Almond Moths, Ants, Cereal Beetles, Chocolate Moths, Cigarette Beetles, Cockroaches, Confused Flour Beetles, Crickets, Earwigs, Flies, Fruit Flies, Fungus Gnats, Indian Meal Moths, Mediterranean Flour Moths, Red Flour Beetles, Saw-toothed Grain Beetles, Silverfish, Dried Fruit Beetles, Warehouse Beetles, and Khapra Beetles. Do not apply to fruit directly. Apply as a fine mist or fog in the air above and around the trays, bins, and shelves at the rate of 1 fluid ounce per 1,000 cubic feet of space. Repeat application at this dosage as required.

TREATMENT OF STORED FOOD AREAS: Foods in multi-walled bags, cloth bags or other packaging stored in such areas, listed areas for the control of accessible adult stages of: Almond Moths, Angoumois Grain Moths, Ants, Cadelles, Cereal Beetles, Cheese Mites, Cheese Skippers, Chocolate Moths, Cigarette Beetles, Cockroaches, Confused Flour Beetles, Crickets, Dark Mealworms, Drugstore Beetles, Earwigs, Firebrats, Flies, Fruit Flies, Fungus Gnats, Grain Mites, Granary Weevils, Hide Beetles, Indian Meal Moths, Mediterranean Flour Moths, Mosquitoes, Red Flour Beetles, Rice Weevils, 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 Beetle. 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 and then apply as a space spray at a dosage of 1 fluid ounce per 1,000 cubic feet of room space. Do not remain in treated area and ventilate before re-entry.

ON PEANUTS, NUTS (ALMONDS & WALNUTS), BEANS, (INCLUDING COCOA), SEEDS (BIRDSEED MIXTURES, COTTONSEED & FLAXSEED) AND COPRA IN BULK, BAGS OR OTHER PACKAGING: For the control of accessible stages of: Almond Moths, Angoumois Grain Moths, Ants, Cadelles, Cereal Beetles, Cheese Mites, Cheese Skippers, Chocolate Moths, Cigarette Beetles, Cockroaches, Confused Flour Beetles, Crickets, Dark Mealworms, Drugstore Beetles, Earwigs, Firebrats, Flies, Fruit Flies, Fungus Gnats, Grain Mites, Granary Weevils, Hide Beetles, Indian Meal Moths, Mediterranean Flour Moths, Mosquitoes, Red Flour Beetles, Rice Weevils, Sawtoothed Grain Beetles, Silverfish, Small Flying Moths, Spiders, Spider Beetles, Yellow Mealworms, Dried Fruit Beetles, Warehouse Beetles, Rusty Grain Beetles, Lesser Grain Beetles, Coffee Bean Weevils, and Khapra Beetles and other listed insects apply to the surface of stored or bagged products at the rate of 1/4 fluid ounce per 1,000 square feet. Also spray walls, floors and other surfaces of bins, storage and handling areas thoroughly, being especially careful to treat cracks, crevices and similar hiding places. Then apply as a space spray by directing the spray toward the ceiling and upper corners of the area and behind any obstructions. Apply at the rate of 1 fluid ounce per 1,000 cubic feet of room space. Do not remain in treated area and ventilate before re-entry.

INDOOR USE - DILUTED

SPACE SPRAY: For use in mechanical fogging or spraying equipment to control accessible stages of Almond Moths, Angoumois Grain Moths, Ants, Cadelles, Cereal Beetles, Cheese Mites, Cheese Skippers, Chocolate Moths, Cigarette Beetles, Cockroaches, Confused Flour Beetles, Crickets, Dark Mealworms, Drugstore Beetles, Earwigs, Firebrats, Flies, Fruit Flies, Fungus Gnats, Grain Mites, Granary Weevils, Hide Beetles, Indian Meal Moths, Mediterranean Flour Moths, Mosquitoes, Red Flour Beetles, Rice Weevils, Sawtoothed Grain Beetles, Silverfish, Small Flying Moths, Spiders, Spider Beetles, Yellow Mealworms, 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 at the rate of 1 part concentrate into 1 to 10 parts water and mix well. Apply at the rate of 1-2 fluid ounce per 1,000 cubic feet of space, filling the room with mist. Vacate treated area and ventilate before re-entry.

Dilution Table for ULV Foggers

Dilution Ratio		Fluid ounces of Concentrate Per ounce of solution volume	Fluid Ounces of water per ounce of solution volume	Pounds of Pyrethrum Per 1,000 cu.ft. when applied at 1 fl oz per 1000 cu.ft.	Percent Pyrethrins in Solution
Concentrate	Water				
Undiluted		1.00	0.00	0.0033	5.060%
1	1	0.50	0.50	0.00165	2.530%
1	2	0.33	0.67	0.00110	1.687%
1	2.25	0.31	0.69	0.00101	1.557%
1	2.5	0.29	0.71	0.00094	1.446%
1	3	0.25	0.75	0.00082	1.265%
1	4	0.20	0.80	0.00066	1.012%
1	5	0.17	0.83	0.00055	0.843%
1	6	0.14	0.86	0.00047	0.723%
1	7	0.13	0.88	0.00041	0.632%
1	8	0.11	0.89	0.00037	0.562%
1	9	0.10	0.90	0.00033	0.506%
1	10	0.09	0.91	0.00030	0.460%

EXAMPLE

To determine how much Concentrate to put into a 44 fluid ounce fogger tank to achieve a mix of 1 part Concentrate with 5 parts water:

- * Multiply 0.17 (from chart above) times 44 (fluid ounces of solution needed) = 7.48 fluid ounces of Concentrate (7.5 fluid ounces with rounding)
- * Fill remainder of tank volume with 36.52 fluid ounces of water (36.5 with rounding) – to a total of 44 fluid ounces.

FOR USE IN FEDERALLY INSPECTED MEAT AND POULTRY PLANTS: Dilute one part concentrate with 4 parts water and use with a ULV spraying device at the rate of one fluid ounce per 1,000 cubic feet of room space. Apply the spray into all cracks and crevices in woodwork, walls, floors, underneath sinks, behind pipes and in all places that shelter insects. Contact as many insects as possible. Before use, exposed food products and packaging materials must be covered or removed. After use, equipment and utensils must be washed with an effective cleaning compound and rinsed with potable water. Use as a space spray only when plant is not in operation. Repeat as necessary but not more than 1 time per day. Do not reapply within 1 day.

SURFACE SPRAY: To control accessible stages of: Cockroaches, Silverfish, Beetles, and Crickets: Dilute 1 -3 fluid ounces of concentrate with one gallon of water, mix well and apply as a coarse wetting spray using approximately 1 gallon of spray mixture per 750 square feet of surface. To ensure maximum control of listed crawling insects, spray thoroughly into all cracks, molding, crevices, walls, floors and other surfaces of bins, storage and handling areas. Particular attention should be paid to areas where moisture collects such as drains, sinks and water pipes, around the base of heavy machinery and equipment contacting as many insects as possible.

ANTS: Spray directly into nests, along trails, and directly on all ants observed.

FOR IN TRANSIT PROTECTION: To control accessible stages of listed insects, clean and spray truck beds, boxcars, ships holds and other listed transit equipment before loading. Thoroughly treat walls and floors and spray each layer of cartons or containers lightly as stacked. Apply diluted spray at the rate of 1 gallon per 1,000 square feet.

TREATMENT OF STORED GRAIN: To control accessible stages of : Indian Meal Moth, Angoumois Grain Moths: Apply diluted spray to the surface of binned grain at a rate of 0.5 gallons per 1,000 cubic feet. Apply at monthly intervals with the first appearance of infestation. In severe infestations of flying moths, break up webbing with a rake before spraying and make a second application in two weeks.

STORAGE AREAS FOR DRIED FRUIT PRODUCTS for control of: Confused Flour Beetles, Dried Fruit Beetles, Indian Meal Moths, and Saw-Toothed Grain Beetles. Remove and destroy infested products. Apply diluted spray as a fine mist in the air above the trays and shelves. Do not apply to fruit directly. Use 1 fluid 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.

FOOD STORAGE AREAS containing multi-walled bags, cloth bags, and other packaging in warehouses, storage rooms, flour mills, grain elevators, granaries and other listed areas for the control of: Angoumois Grain Moths, Cadelles, Confused Flour Beetles, Indian Meal Moths, Mediterranean Flour Moths, Rice Weevils, Saw-Toothed Grain Beetles, Yellow Meal Worms, Cheese Mites, Cheese Skippers, Cigarette Beetles, Grain Mites, Granary Weevils, Dark Meal Worms, and Red Flour Beetles: Remove and destroy infested products. Disperse diluted spray 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 at a rate of 1-2 fluid ounces per 1,000 cubic feet of space. Do not remain in treated areas and ventilate area before re-entry. This application will kill exposed stages of those stored product pests listed. Sweep up and destroy fallen insects.

FOR USE ON ANIMALS: To protect: Beef and dairy cattle, horses from Horn Flies, House Flies, Mosquitoes, and Gnats, dilute 1 part concentrate with 49 parts water, mix well and apply a light mist sufficient to wet the tips of the hair. To control stable flies, horse flies and deer flies on animals apply 2 fluid ounces per adult animal, sufficient to wet the hair but not to soak the hide. Repeat treatment once or twice daily or at intervals to give continued protection. To control the motile stages of blood sucking lice on beef and dairy cattle and other listed animals, apply the spray to thoroughly wet the hair. Use 2 fluid ounces or less per animal and repeat every 2 to 3 weeks as required.

To control Poultry Lice, spray roosts, walls and nests or cages thoroughly with a dilution of 1 part concentrate with 25 parts water. This should be followed by spraying over the birds with a fine mist.

ANIMAL QUARTER USE - DAIRY AND BEEF BARN, POULTRY HOUSES, SWINE HOUSING AND OTHER LISTED AREAS: For use in and around listed use areas to control accessible stages of: Brown Dog Ticks, Clover Mites, Cockroaches, Crickets, Deer Flies, Earwigs, Face Flies, Firebrats, Fleas, Flies, Horn Flies, Hornets, Mosquitoes, Silverfish, Small Flying Moths, Spiders, Stable Flies, Ticks, Wasps, Yellow Jackets, Fannia Flies, and Darkling Beetles.

As a space spray in conventional ULV cold aerosol generator or fogger adjusted to deliver aerosol size droplets. Whenever possible, space spray application should be made in the late evening when insects are at rest. Apply undiluted at the rate of 0.25-1.0 fluid ounces per 1,000 cubic feet of space above the animals. This concentrate may also be diluted with water at the rate of 1 part concentrate to 10 parts water and applied at the rate of 1-2 fluid ounces per 1,000 cubic feet of space above the animals. Direct spray toward the upper portions of the enclosure above the animals, filling the room with mist or fog. Vacate treated area and ventilate before re-occupying.

To control Bedbugs and Mites in poultry houses, prepare a dilution of 1 part concentrate to 25 parts water and spray crevices of roost poles, cracks in walls, and cracks in nests where the bedbugs and mites hide.

FOR USE IN AUTOMATIC ULV SPRAYING SYSTEMS, IN AREAS SUCH AS ANIMAL QUARTERS, DAIRY AND BEEF BARN, POULTRY HOUSES, SWINE HOUSING, WAREHOUSES, RESIDENTIAL BACKYARDS AND OTHER LISTED INDOOR AND OUTDOOR AREAS. Use to control, or temporarily reduce annoyance from accessible stages of: Brown Dog Ticks, Clover Mites, Cockroaches, Crickets, Deer Flies, Earwigs, Face Flies, Firebrats, Fleas, Flies, Gnats, Horn Flies, Hornets, Horse Flies, Mosquitoes, Silverfish, Small Flying Moths, Spiders, Stable Flies, Ticks, Wasps, Yellow Jackets, Fannia Flies, Darkling Beetles, and other nuisance insects.

Mix 1/2 gallon (64 fluid ounces) of Concentrate in 55 gallons of water to yield a solution of 0.046% Pyrethrins and 0.23% Piperonyl Butoxide. For high populations of insects, or when treating species that are difficult to control, mix up to 1 gallon of Concentrate in 55 gallons of water to yield a solution of .093% Pyrethrins and 0.46% Piperonyl Butoxide. When filling tank, partially fill the system reservoir tank with water, add Concentrate, then fill rest of tank with water. System nozzles should deliver fine particle size droplets (aerosol or mist). Nozzles should be rated for a delivery rate not to exceed 1.25 fluid ounces of solution per minute, with one nozzle covering 100 square feet. Set system timer to operate in accordance with equipment directions.

Automatic Spraying System Dilution Table

A. System Tank size (in gallons)	B. Conversion Factor (Fluid ounces of Concentrate per gallon of water)	A. x B. = fluid ounces of Concentrate for that tank size, to be mixed with water to achieve 0.046% pyrethrin solution.
1	1.16	1.16
15	1.16	17
20	1.16	23
30	1.16	35
55	1.16	64

Since high water temperatures can degrade pyrethrins, it is recommended that system tanks be sheltered or insulated from direct exposure to the sun. Use of an EPA approved antimicrobial agent is also recommended. For best performance the spray solution should be in the pH range of 5.5 to 7.0. Avoid setting up system nozzles in a manner that delivers spray solution into swimming pools, or pools containing fish and other organisms that may be sensitive to Pyrethrins. Automatic systems must be programmed so as not to activate and/or release pesticides when people, pets and food or feed are present. A rain sensor and a wind sensor should be installed on the system to control drift and runoff. The system reservoir tank should be locked and a legible copy of the label securely attached to the system reservoir tank, or on the outside of the system timer. Never use concentrate in an evaporative cooling system.

This product will control insects that are directly contacted by its spray solution. Since many of the targeted insects can migrate in and out of treatment areas, it is recommended that this concentrate be used as part of an Integrated Pest Management (IPM) program. Cultural practices such as (but not limited to) eliminating breeding and harborage sites, combined with appropriate use of contact insecticides, Insect Growth Regulators (IGRs) and / or residual insecticides will provide the most effective control of target insects.

OUTDOOR USE:

To control accessible stages of listed flying insects in listed outdoor areas. If possible, space spray application should be made in the evening or early morning when mosquitoes are typically most active. With a ULV spraying device, spray at a dosage rate of 5 fluid ounces of undiluted concentrate per minute up-wind of the area to be controlled. If the equipment is truck mounted, keep the speed to approximately 10 mph with a swath width based on 300 feet.

TEMPORARY REDUCTION OF ANNOYANCE from: Flies, Mosquitoes, and Small Flying Moths. The afore-mentioned application for outdoor ground application will afford temporary reduction of annoyance from these pests in listed outdoor areas. Direct application into tall grass, shrubbery and around lawns where these pests may hover or rest, apply while air is still. In areas such as zoos, cover water, drinking fountains and animal feed before use.

TO CONTROL PESTS ON SHRUBS, FRUIT AND SHADE TREES:

Pests: Aphids, Apple & Thorn Skeletonizers, Bagworms, Bean Beetles, Cabbageworms, Codling Moths, Cutworms, European Pine Shoot Moths, Flea Beetles, Hemlock Woolly Adelgids, Holly Bud Moths, Lacebugs, Leafhoppers, Leafminers, Leafrollers, Mealybugs, Oak Loopers, Obscure Root Weevils, Omnivorous Leafhoppers, Pear Slugs, Scale Crawlers, Spider Mites, Tent Caterpillars, Thrips, Webworms and Whiteflies.

Plants: Birch, Crabapple, Dogwood, Douglas Fir, Elm, Euonymus, Hawthorn, Hemlock, Holly, Juniper, Lilac, Locust, Maple, Oak, Plum, Pine, Poplar, Spruce, Sycamore, Willow and Yew.

Mixing Instructions: For Shrubs and Shade Trees follow directions on applicator to obtain 4 Tbs (2 fl.oz.) per gallon of water.
1 Tablespoon (Tbs) = 3 teaspoons (tsp), 1 fluid ounce = 2 Tbs

How To Apply: Spray plant to wet the leaves and branches until dripping.

AROUND HOUSE FOUNDATION:

Nuisance Pests Outdoors: Ants, Boxelder Bugs, Brown Dog Ticks, Chiggers, Clover Mites, Cockroaches, Crickets, Earwigs, Fleas, Flies, Millipeds, Scorpions, Sowbugs, Spiders, and Springtails.

Mixing Instructions: For Around House Foundation follow directions on applicator to obtain 4 Tbs (2 fl.oz.) per gallon of water.
1 Tablespoon (Tbs) = 3 teaspoons (tsp) 1 fluid ounce = 2 Tbs

How To Apply: To keep insects from entering the house, spray a 5 foot band of soil around the house next to the foundation. Also spray the foundation of the house to a height of 2 feet. Also spray walks, firewood piles, garbage cans, tree trunks, and into cracks and other places where insects can hide.

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STORAGE AND DISPOSAL

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

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

DISPOSAL:

If empty:

Do not reuse container. Place in trash or offer for recycling if available.

If partly filled:

Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

Net Contents _____

Manufactured by:

Mc LAUGHLIN GORMLEY KING COMPANY

8810 Tenth Avenue North

Minneapolis, MN 55427

EPA Reg. No. 1021-1785

EPA Est. No. 1021-MN-2