



McLAUGHLIN
GORMLEY
KING COMPANY

8810 Tenth Avenue N. / Minneapolis, Minnesota 55427-4372 U.S.A. - Telephone (763) 544-0341

ACCEPTED
FEB 1 2005
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 1021-1800

PYROCID® Concentrate 74406

1021-1800

[] or () indicates alternate or optional wording.

Contains the botanical insecticide Pyrethrum [an extract of a Chrysanthemum flower]
A micro-emulsion, water-base spray
Kills and repels Stable Flies, Horse Flies, Face Flies, Deer Flies, House Flies, Mosquitoes, and Gnats
Kills Black Widow Spiders and Black Carpenter Ants
Quick killing Pyrethrum controls crawling and flying insects in the home, schools, hospitals and other listed areas
Controls Fleas and Ticks indoors and around pet areas
Controls Deer Ticks and other Ixodid species that may carry and transmit Lyme Disease
For use in Animal Quarters, Dairies, Milk Rooms, Milking Parlors, Calving Areas, Dairy and Hog Barns
For use on Beef Cattle, Dairy Cattle, Horses, Hogs, Poultry and other listed livestock
Kills Mosquitoes, including the Culex species that may carry and transmit the West Nile Virus.

ACTIVE INGREDIENTS:

Pyrethrins.....	3.00%
Piperonyl butoxide, Technical	30.00%
OTHER INGREDIENTS.....	67.00%
	100.00%

*Equivalent to min. 24% (butylcarbityl) (6-propylpiperonyl) ether and 6% related compounds

PYROCID® is a registered trademark of McLaughlin Gormley King Company

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID	
IF SWALLOWED:	<ul style="list-style-type: none"> • Immediately call a poison control center or doctor. • Do not induce vomiting unless told to do so by a 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.	

Net Contents _____
Manufactured by:
Mc LAUGHLIN GORMLEY KING COMPANY
8810 Tenth Avenue North
Minneapolis, MN 55427

EPA Reg. No. 1021-1800

EPA Est. No. 1021-MN-2

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

CAUTION

Harmful if swallowed or absorbed through the skin. Avoid contact with eyes, skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly 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 pesticide is toxic to fish. Do not apply directly to water. Do not contaminate water when disposing of equipment wash waters or rinsate.

PHYSICAL OR CHEMICAL HAZARDS

Do not use this product in or on electrical equipment because of shock hazard.

[Pyrocide® Concentrate 74406] contains the quick killing botanical insecticide, Pyrethrum, [an extract of Chrysanthemum flowers], which provides rapid effective control of insects upon direct contact with an added benefit of flushing [repelling] these insects to aid in a more complete control [kill]. This highly effective water-base formula can be used on flying and crawling insects indoors and outdoors.

[Pyrocide® Concentrate 74406] can be used to control fleas and ticks hidden in carpets, rugs, upholstery, draperies, floor cracks and cabinets. Also controls Deer Ticks and other Ixodid species that may carry and transmit Lyme Disease.

[Pyrocide® Concentrate 74406] can be used in the home, schools, hospitals, restaurants and other listed areas to control [kill], on contact, listed crawling pests and is a fast, effective product for flying insect control. Pyrethrum has quick killing ability with no persistent residue.

[Pyrocide® Concentrate 74406] can be used to reduce annoyance of mosquitoes, including the Culex species that may carry and transmit the West Nile Virus, outdoors around homes, recreational and other listed areas. Ideal for use prior to outdoor activities.

[Pyrocide® Concentrate 74406] can be used in food and non-food areas of food processing plants, canneries, industrial installations, bakeries, rice and wheat mills, tobacco warehouses, grain elevators, warehouses, storage sites and other listed areas to control [kill], on contact, listed crawling pests and is a fast, effective product for flying insect control.

[Pyrocide® Concentrate 74406] provides rapid kill of insects without objectionable residues

To protect your pet against and to minimize reintroduction of adult fleas from outdoors, use EPA registered flea and tick 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 and prior to re-entry.

Remove pets and birds and cover fish aquariums before spraying.

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FOR THE CONTROL OF INSECTS including but not limited to:

Black Fly	Ants	Cadelles	Lesser Grain Borer	Blood Sucking Lice
Deer Flies	Bedbugs	Carpet Beetles	Trogoderma Beetles	Lice
Face Flies	Black Carpenter Ants	Cereal Beetles	Almond Moths	Poultry Lice
Fannia Flies	Box elder Bugs	Cigarette Beetles	Angoumois Grain Moths	Granary Weevils
Fruit Flies	Cockroaches	Confused Flour Beetles	Chocolate Moths	Rice Weevils
Gnats	Crickets	Darkling Beetles	Clothes Moths	Cheese Skipper
Horn Flies	Earwigs	Dermestid Beetles	Indian Meal Moths	Dark Mealworms
Hornets	Firebrat	Dried Fruit Beetles	Med. Flour Moths	Yellow Mealworms
Horse Flies	Millipedes	Drugstore Beetles	Miller Moths	Black Widow Spiders
House Flies	Palmetto Bugs	Flat Grain Beetles	Small Flying Moths	Cellar Spiders
Lesser House Flies	Pillbugs	Khapra Beetles	Tobacco Moths	Cheese Mites
Midges	Silverfish	Merchant Grain Beetles	Cat Fleas	Grain Mites
Skipper Flies	Sowbugs	Red Flour Beetles	Dog Fleas	Hornets
Stable Flies	Waterbugs	Rice Flour Beetles	Brown Dog Ticks	Wasps
Mosquitoes- including the Culex species that may carry and transmit the West Nile Virus		Rusty Grain Beetles	Sheep Ticks	Yellow-Jackets
		Spider Beetles	Deer Ticks	
		Warehouse Beetles	Ticks that may carry and transmit Lyme Disease	
		Saw-toothed Grain Beetles		

INDOOR AREAS for use in but not limited to:

Animal Areas	Crendenza	Horse Stables	Nursing Homes	Stored Food, bags
Animal Quarter	Crematoriums	Hog Barns	Office Buildings	Stores
Animal Shelters	Dairy, Livestock Barns	Horse Stables & Barns	Other Public Buildings	Sun Porch
Animal Control Centers	Dairies	Horse Trailers	Outdoor Eating Building	Sun Room
Apartments	Day Care Centers	Hospices	Pantry	Swine Houses
Atriums	Decks	Hospitals	Parking Garages	Taverns
Attics	Delicatessens	Hotels	Patios	Tents
Auditoriums	Dens	Household contents	Pet Bedding	Textile Mills
Automobiles	Department Stores	Houses	Pet Carriers	Theaters
Bakeries	Diners	Indoor Eating Buildings	Pet Grooming Parlors	Tobacco Factories

Bars	Dog Hc	Industrial Installations	Pet Sleeping Areas	Tobacco Warehouses
Basements	Dog Sleeping Quarters	Industrial Plants	Pet Stores	Tool Sheds
Bathrooms	Dormitories	Institution Dining Areas	Planes	Trailers
Bedding	Draperies	Institutions	Play Houses	Trains
Bedrooms	Dressers	Jails	Play Rooms	Transportation Vehicles
Beef Barns	Dried Fruits in Storage	Kennels	Pool Halls	Tree Houses
Beverage Plants	Drive-Ins	Kitchens	Porches	Tree Nuts Storage Area
Boats	Drugstores	Laboratories	Poultry Houses	Trucks
Bookcases	Dumpsters	Laundromats	Poultry Plants	Truck Trailers
Bottling Plants	Dwellings	Lanais	Pounds	Tunnels
Breweries	Egg Processing Plants	Lavatories	Prisons	Utility Rooms
Brewery Warehouses	Fabric Storage Areas	Libraries	Public Storage	Utilities
Building Housing Animals	Factories	Liquor Stores	Quonset Huts	Vending Machines
Building Housing Poultry	Farm Structures	Livestock Barns	Rabbit Processing	Verandas
Buses	Floors	Livestock Hauling Equip	Plants	Veterinaries
Cabinets	Food Processing Plants	Livestock Holding Areas	Railroad Cars	Voids in Attics
Cabins	Food Storage Areas	Living Rooms	Recreational Vehicles	False Ceilings
Cafeterias	Freight Containers	Loafing Shed	Research Animal	Warehouses
Calving Barns	Fruit Packing Sheds	Locker Rooms	Quarters	Washrooms
Camp Sites	Funeral Parlors	Marinas	Restaurants	Wheat Mills
Campers	Furniture	Mattresses	Retail Stores	Wholesale Stores
Canneries	Garages	Mausoleurns	Rice Mills	Wine Cellars
Carpets	Garbage Bins	Meat Packing Plants	Rooms	Wineries
Cat Sleeping Quarters	Garbage Cans	Mess Halls	Rugs	Zoos
Cattle Barns	Garbage Compactors	Mini Storage	Schools	
Chests	Gas Stations	Mobile Canteens	Seed Storage	
Churches	Gazebos	Mobile Homes	Sheep Holding Areas	
City Missions	Goat Holding Areas	Morgues	Ships	
Circus Tents	Grain Elevators	Milk Houses	Ships Holds	
Closed Porches	Grain Harvesting Equip	Milk Rooms	Smoke Shops	
Closets	Grain Handling	Milk Sheds	Solariums	

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	Equip		
Clothes Storage	Grain Mills	Milking Rooms	Sport Stadiums
Club Houses	Grain Storage	Mortuaries	Stables
Commercial Buildings	Granaries	Motels	Stable Bins
Condominiums	Grocery Stores	Movie Theaters	Storage Areas
Crawl Spaces	Homes	Museums	Stored Product

OUTDOOR AREAS for uses in and around, but not limited to:

Alleys	Circuses	Front Yards	Outdoor Eating Estab.	Side Yards
Amphitheatres	Construction Sites	Game Fields	Parks	Side Walks
Amusement Parks	Corrals	Garbage Dumps	Parking Lots	Stadiums
Ant Hills	Courtyards	Gazebos	Patios	Tennis Courts
Back Yards	Curbs	Grandstands	Playgrounds	Truck Stops
Balconies	Drive-In Restaurants	Junk Yards	Ranges	Underpasses
Baseball Fields	Drive-In Theaters	Kennels	Recreational Areas	Utility Room Outdoor
Beaches	Dumpsters	Levees	Rest Areas	Weigh Stations
Bridges	Fair Grounds	Manholes	Roadsides	Wild Animal Parks
Carwashes	Feedlots	Manure Piles	Rooftops	Wood Piles
Campgrounds		Marinas	Sanitary Sewers	Zoos

FOR USE ON but not limited to:

Beefalo	Chickens	Lambs	Pigs	Swine
Birds	Donkeys	Llamas	Pullets	Turkeys
Buffalo	Ducks	Mules	Quail	Exotics such as
Calves	Emus	Ostrich	Ratites	European
Cattle- Beef	Geese	Oxen	Roosters	Red Deer
Cattle- Dairy	Horses	Pheasants	Sheep	

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. For best results, follow directions for specific use areas. Do not use this product in or on electrical equipment due to possibility of shock hazard.

GENERAL:

This concentrated product must be diluted with water. When making dilutions, add concentrate to the tank and add water. Agitate well while adding water and apply as directed.

0.05% Pyrethrins – add 1 part concentrate to 59 parts water or 2 fluid ounces concentrate / gallon water

0.10% Pyrethrins – add 1 part concentrate to 29 parts water or 4.3 fluid ounces concentrate / gallon water

0.30% Pyrethrins – add 1 part concentrate to 9 parts water or 13 fluid ounces concentrate / gallon water

0.50% Pyrethrins – add 1 part concentrate to 5 parts water or 22 fluid ounces concentrate / gallon water

The use of this product in food processing establishments should be confined to time periods when the plant is not in operation. Food should be removed or covered during treatment. All food processing surfaces should be covered during treatment or thoroughly cleaned before using.

For maximum effectiveness, follow the dilution chart and use a combination of spot, surface, and fogging treatment is recommended.

SPACE SPRAYING: Use with conventional mechanical or compressed air equipment to kill exposed accessible stages of, but not limited to: Flies (including Fruit Flies), Mosquitoes, including the Culex species that may carry and transmit the West Nile Virus, 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, 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, Red Flour Beetles and other listed insects. Close Room and shut off air conditioning or ventilating equipment. Apply at the rate of 1 to 10 fluid ounce per 1000 cubic feet of space and direct spray toward upper corners of room and ceiling filling the room with mist. Leave room closed for ½ hour and ventilate thoroughly before re-entry.

SURFACE SPRAYING: To kill Cockroaches, Black Carpenter Ants, Silverfish, Spiders, Crickets, Clover Mites, Cheese Mites, Granary Weevils, Rice Weevils, Saw-toothed Grain Beetles, Spiders Beetles, Cigarette Beetles and other listed insects use a sprayer adjusted to a coarse wet spray. Mix well and apply as a coarse wet spray using approximately 1 gallon of spray mixture per 750 square feet of surface. Direct the spray first into all cracks and crevices, behind all equipment, cupboards, obstructions or dark harborage areas, walls, floors, underneath sinks, behind pipes, beneath stoves and refrigerators, around garbage cans, cabinets, along baseboards, door sills, window sills, door and window frames and floors, around and on drains, pipes, plumbing, behind bookcases, storage and other utility installation areas 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. If surface application only is to be used, spray floor and other surfaces. To kill ants, treat doors, around window frames and other areas of entry. Spray on ants whenever possible.

CLOTHES MOTHS: Remove any infested articles from storage, brush thoroughly and air for several hours in sunlight, if possible. Apply liberally to empty chests, closets, bureaus and other storage areas, directing the spray into cracks, joints, and crevices.

CARPET BEETLES: Directly spray as many insects as possible. Spray all surfaces of upholstered furniture. Where possible, both top and bottom of rugs and carpets should be sprayed thoroughly. Also treat shelves, closets, floors, walls, windowsills, baseboards, areas under furniture, and wherever these insects are seen or suspected.

BEDBUGS: Spray mattresses lightly, particularly around tufts and seams. Take beds apart and spray in all joints. Treat baseboards, moldings, floors, walls, furniture and other infested areas.

FOR USE IN LISTED PET AREAS: For best results remove, destroy or wash pet's old bedding. To reduce infestation, thoroughly spray pet [dog] [cat] [puppy] [kitten] [animal] bedding, sleeping quarters, kennel, around baseboards, window and door frames, wall cracks, local areas of floors, and other resting places until the surface is slightly moist. Treat these areas at the rate of two seconds per linear foot at the distance of 12 to 18 inches. Also spray the entire inside surface of doghouses. Put fresh bedding in pet's quarters after spray has dried. Allow treated areas to dry thoroughly before allowing pets to re-enter.

FLEA AND TICK INFESTATION ON RUGS AND CARPETS: Prior to use, vacuum all infested areas thoroughly and dispose of vacuum bag in outside trash. Spray rugs and carpets where fleas tend to hide, usually where animals frequent. Spray thoroughly into hiding places such as cracks and crevices, in walls and floors, along baseboards, and window and door frames. Spray at the rate of one square foot per second. To kill ticks and other labeled insects, apply directly to

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pests. Treat pets with an EPA registered [brand name] product in conjunction with this application.

For best results, to protect your pet against and to minimize reintroduction of adult fleas from outdoors, use EPA registered flea and tick products, (such as [brand name] flea or flea and tick collar, [brand name] pet powder, [brand name] pet spray, [brand name] pet dip, [brand name] pet shampoo, flea shampoo or flea and tick pet shampoo), in conjunction with this application.

FOR KENNELS AND OTHER OUTDOOR ANIMAL AREAS: Following dilution chart to control listed insects. Apply liberally to surfaces, paying special attention to cracks and crevices and other insect hiding places. Allow treated areas to dry thoroughly before allowing pets [animals] to re-enter.

FOR USE IN CANNERIES: Thoroughly clean floors, conveying equipment, and walls, paying special attention to cracks and crevices, prior to bringing in produce. Follow dilution chart and spray the entire space inside the cannery including walls, ceilings, and floors, paying special attention to forcing the spray into all cracks and crevices for control of ants cockroaches, silverfish, crickets, spiders, fruit flies, moths, house flies, cheese mites and other listed insects.

FOR USE IN FOOD AND NONFOOD AREAS OF FOOD PROCESSING PLANTS, Industrial installations, Bakeries, Rice and Wheat Mills, Restaurants, Tobacco Warehouses, Grain Elevators and Warehouses: Spray as directed to control listed flying and crawling insects. The use of this product in food processing or food handling establishments should be confined to time periods when the plant is not in operation. Food should be covered or removed during treatment.

DRIED FRUIT PRODUCTS in storage or being processed: For control of, but not limited to: 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, Khapra Beetles and other listed insects. Remove and destroy infested products. Do not apply directly to fruit. Apply as a fine mist or fog in the air above and around trays, bins, and shelves at the rate of 1 to 10 fluid ounces per 1000 cubic feet of space. Repeat application at this dosage as required. 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.

TREATMENT OF STORED FOOD AREAS: Foods in multi-walled bags, cloth bags or other packaging stored in such areas as, but not limited to listed areas: For the control of accessible adult stages of, but not limited to: 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, including the Culex species that may carry and transmit the West Nile Virus, 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, Khapra Beetle and other listed pests. Infested stored products should be destroyed, fumigated or treated by other effective methods using an approved product intended for this purpose. As noted above, disperse first by directing spray into cracks and crevices, corners, pallets and around stacks or packaged goods, hitting as many insects as possible. Then apply as a space spray at a dosage of 1 to 10 fluid ounces per 1000 cubic feet of room space. Repeat application as necessary for insect control. Do not remain in treated area and ventilate before re-entry. Sweep up and destroy fallen insects.

ON PEANUTS, NUTS, BEANS, SEEDS 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,quitoes, including the Culex species that may carry and transmit the West Nile Virus, 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, Khapra Beetles and other listed insects. Apply to the surface of stored or bagged products. 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 at the rate of 1 to 10 ounces per 1000 cubic feet by directing the spray toward the ceiling and upper corners of the area and behind any obstructions.

FOR USE IN FEDERALLY INSPECTED MEAT AND POULTRY PLANTS: Apply with conventional mechanical or compressed air equipment at the rate of 1 to 10 fluid ounces per 1000 cubic feet of room space. Apply spray into all cracks and crevices in woodwork, walls, floors, and underneath sinks, behind pipes and in all places that shelter insects. Contact as many insects as possible. Repeat as necessary. 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.

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 lightly spray each layer of stacked cartons or containers. Apply at the rate of 1 gallon per 750 square feet.

FOR USE IN STORAGE FACILITIES AND EQUIPMENT:

SANITATION MEASURES: This product can be used as a surface spray in warehouse bins, trucks, cargo ships, mills, bin hoppers, elevators and conveying equipment as a clean-up prior to use. In mills and elevators, all grain-infested accumulations should be removed from the bin hoppers. All storage and conveying equipment should be thoroughly cleaned by sweeping out waste grain, cobwebs and other debris from the walls and rafters as well as the floor and door frames, paying special attention to material lodged in cracks and crevices. All debris should be removed and disposed of in outside trash.

FOR FARMS, particular attention should be given to cleaning up around used feed and grain bags and grain residues from wagons, harvesting equipment and feed troughs. Newly harvested grain should not be placed in the same bin with carry-over grain, and all carry-over grain stocks that are not treated with grain protectant should be fumigated or treated with EPA approved products [such as] [brand name]. These cleaning operations should be done two or three weeks before harvest.

After above sanitation measures have been employed spray as directed.

FOR USE IN ANIMAL QUARTERS, Barns, Dairies, Milking Parlors, Milking Rooms, Poultry Houses and other listed animal areas. For rapid control [kill] of Flies, Mosquitoes, including the Culex species that may carry and transmit the West Nile Virus, Gnats and other listed flying insects: dilute with water to give a 0.10% or 0.50% concentration, and apply as a fine mist or spray. Direct spray towards the ceiling and upper corners until the area is filled with mist, using about 2 fluid ounces per 1000 cubic feet of space. Do not direct spray towards animals or birds. For best results, close doors and windows before spraying and keep them closed for 10 to 15 minutes. Applicator should vacate the treated area and ventilate it prior to reoccupying.

FOR USE ON LIVESTOCK: dilute as follows: 0.10% Pyrethrins – Add 1 part concentrate to 29 parts water or 0.50% Pyrethrins – Add 1 part Concentrate to 5 parts water and apply as directed: To protect beef cattle, dairy cattle, horses and other livestock from attacks and to kill and repel Stable Flies, Horse Flies, Deer Flies, House Flies, Horn Flies, Lesser House Flies, Mosquitoes, including the Culex species that may carry and transmit the West Nile Virus, and Gnats, spray about 3 seconds on each side of animal, being careful to spray back, withers and forelegs thoroughly.

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To protect from Face Flies, spray the face and hair or spray on a cloth and rub on the face, being certain to avoid contact with the eyes. Repeat treatment as necessary when flies are troublesome.

For effective control of biting and sucking lice on cattle, horses, sheep, goats and hogs: spray to thoroughly wet the hair of the animal, including the head and brush of the tail. Repeat treatment in 10 days to kill newly hatched lice.

To control poultry lice and exposed stages of Darkling Beetles, thoroughly spray roosts, walls, nests, and cages. Follow with spraying the birds with a fine mist.

For control of bedbugs and mites on poultry and in poultry houses, spray crevices of roost poles, cracks in walls and cracks in nests where bedbugs and mites hide. Follow with spraying the birds with a fine mist.

To control sheep "tick" or ked, thoroughly wet all portions of the body by spraying directly into the wool. Treat at a rate sufficient to wet the animal.

To kill fleas and ticks on livestock and to obtain protection against reinfestation, spray to sufficiently wet animal.

FOR USE IN BARNs, DAIRIES, MILKING PARLORS, MILKING ROOMS, POULTRY HOUSES and other listed animal housing areas, follow dilution chart and apply as directed. Do not use in milk rooms where raw milk may be exposed.

0.10% Pyrethrins – Add 1 part Concentrate to 29 parts water

0.50% Pyrethrins – Add 1 part Concentrate to 5 parts water

FOR USE WITH HAND-HELD MECHANICAL FOGGERS to control Houseflies, Horn Flies, Stable Flies, Horse Flies, Mosquitoes, including the Culex species that may carry and transmit the West Nile Virus, Gnats and other listed insects. Dilute concentrate and apply as a fine mist or fog. Direct spray toward the ceiling and upper corners of the room until the area is filled with mist, using about 2 fluid ounces per 1000 cubic feet of space. For best results, close doors and windows before spraying and keep them closed for 10 to 15 minutes after spraying. Applicator should vacate the treated area and ventilate it before reoccupying.

FOR USE IN AUTOMATIC ULV SPRAYING SYSTEMS, IN AREAS SUCH AS ANIMAL QUARTERS, DAIRY AND BEEF BARNs, 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: Mosquitoes- including the Culex species that may carry and transmit the West Nile Virus, Flies, Gnats, Face Flies, Fannia Flies, Deer Flies, Horse Flies, Stable Flies, Horn Flies, Hornets, Wasps, Yellow Jackets, Fire Brats, Small Flying Moths, Earwigs, Fleas, Ticks, Clover Mites, Brown Dog Ticks, Crickets, Cockroaches, Silverfish, Spiders, Darkling Beetles, and other nuisance insects.

Automatic systems must be programmed so as not to activate and/or release pesticides when people, pets and food and 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.

For best results, set the timer to activate at dusk or dawn when mosquitoes are most active. No more than 3 evening applications recommended.

During the day, manually activate and deactivate the automatic spray system 30 minutes to an hour before outdoor activity is planned.

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 0.055% pyrethrin solution.
1	2.33	2.33
15	2.33	35
20	2.33	46.6
30	2.33	70
55	2.33	128

For high populations of insects, or when treating species that are difficult to control, mix at rates giving higher concentrations (percentage) of pyrethrins up to 0.10% using a conversion factor of 4.08 in table above.

When filling tank, partially fill the system reservoir tank with water, add Concentrate, then fill rest of tank with water, agitate well. 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.

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: follow dilution chart and apply as directed.

0.05% Pyrethrins – add 1 part concentrate to 59 parts water or 2 fluid ounces concentrate / gallon water

0.10% Pyrethrins – add 1 part concentrate to 29 parts water or 4.3 fluid ounces concentrate / gallon water

0.30% Pyrethrins – add 1 part concentrate to 9 parts water or 13 fluid ounces concentrate / gallon water

0.50% Pyrethrins – add 1 part concentrate to 5 parts water or 22 fluid ounces concentrate / gallon water

Caution should be taken to avoid spraying when wind conditions might create a mist that can blow back to applicator. Do not apply this product in or around bodies of water. Do not spray directly on plants. Spray surfaces and contact as many insects as possible.

FLIES, GNATS, MOSQUITOES, SMALL FLYING MOTHS, Midges, small flying insects and other flying insects: hold container 18 – 24 inches from shrubs, bushes, grassy areas and other

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areas infested with these pests. Do not apply directly to plants. Spray with a slow sweeping motion while moving away from the treated area. To reduce annoyance from these pests, treat open porches and patios in a similar manner. Kills and repels flies, mosquitoes, including the Culex species that may carry and transmit the West Nile Virus, midges, and gnats when used intermittently during outdoor activities. Will keep surrounding areas free from these pests. Allow spray to dissipate before occupying the treated area.

ANTS: Spray ant trails, anthills and other areas of entry and infestation. Spray on ants where possible.

SPIDERS: Spray directly on spiders and webs.

SOWBUGS, MILLIPEDES, BEETLES, EARWIGS, Pillbugs, Centipedes, Scorpions, Cockroaches, Crickets, Waterbugs, Palmetto Bugs: Thoroughly spray surfaces and into hiding

places such as cracks, crevices, moist areas, openings around pipes, spigots, storage areas, sheds and other areas where these pests tend to congregate.

STORAGE AND DISPOSAL

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

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

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

CONTAINER DISPOSAL: Triple rinse or equivalent and offer for recycling or reconditioning, or dispose of in a sanitary landfill or by other procedures approved by State and Local authorities.

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