

48665-6

9/28/2010

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460-0001

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

September 28, 2010

Ms. Peggy M. Galloway,
Regulatory Agent for Shoo-Fly
c/o Landis International, Inc.
P.O. Box 5126
Valdosta, GA 31603-5126

**Subject: Amended Labeling; Response to Conditions of Registration Dated June 22, 2010
SHOO-FLY Concentrate 1 Misting Concentrate, EPA Reg. No. 48665-6
Your Submission Dated September 23, 2010**

Dear Ms. Galloway:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable with the following provision(s):

Directions for Use section comment(s):

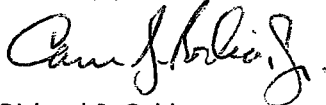
1. Revise the subsection heading "**USE RESTRICTIONS & PRECAUTIONS**" to read "**USE RESTRICTIONS**"
2. Within the subsection entitled "**TREATMENT OF STORED FOOD AREAS;**" revise the 1st sentence to read "Treatment of stored foods in multi-walled bags, cloth bags, or other packaging to kill listed insects."
3. Within the subsection entitled "**FOR USE IN MEAT AND POULTRY PROCESSING PLANTS;**" revise the last sentence to read "Do not apply more than 1 time per day."
4. Within the subsection entitled "**FOR USE ON LIVESTOCK (NON-DOMESTIC) ANIMALS;**" revise the last sentence of the statement "To protect from Face Flies, ...," to read "Do not apply more than 1 time per day."
5. To facilitate inclusion of required language from the REDs for pyrethrins and piperonyl butoxide (updated label tables for pyrethrins/piperonyl butoxide combination products), incorporate the following changes within the existing subsection entitled "**DIRECTIONS FOR USE IN OUTDOOR RESIDENTIAL MISTING SYSTEMS:**"
 - Replace the statement "Do not apply this pesticide when people, pets, and food are present." with: "When using this product, installers and service technicians must comply with the license, certification, or registration requirements of the state(s), tribe(s), or other local authority(ities) where they are installed. If the system works on an automatic timer, set the timing for application for when people, pets, and food are unlikely to be present. If the system works when a person operates a remote activation device, then application of this pesticide when people, pets, and food are present is prohibited."
 - Insert the statement "Do not set nozzles to direct mist near outside air condition systems or other home air intakes." immediately following the statement starting with "Direct nozzles to spray toward ..."
 - Revise the dilution table name to read "Outdoor Residential Misting System Dilution Table"
 - Within the 1st sentence following the dilution table, replace the word "control" with the word "kill."
 - Insert the statement "Contact the system manufacturer for guidance or assistance to ensure compliance with the following requirement." immediately preceding the statement starting with "This product must only be used ..."
 - Within the 1st sentence of the last paragraph at the bottom of page 8, replace the word "control" with the words "kill listed."
 - At the beginning of the 3rd sentence of the last paragraph at the bottom of page 8, replace the words "Control practices including but not limited to eliminating" with the words "Killing practices include eliminating."
 - At the end of the 3rd sentence of the last paragraph at the bottom of page 8, replace the words "control of target" with the words "kill of listed."

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A copy of your label stamped "Accepted with Comments" is enclosed for your records. Please submit two (2) copies of the final printed labeling, incorporating the above changes, before releasing the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with section 6(e) of FIFRA. Your release for shipment of the product bearing amended labeling constitutes accepting of these conditions.

If you have any questions, please contact Mr. Carmen J. Rodia, Jr. at (703) 306-0327 or via e-mail at Rodia.Carmen@epa.gov.

Sincerely yours,

FOR 

Richard J. Gebken,
Product Manager (10)
Insecticide Branch,
Registration Division (7504P)

Enclosure: *Copy of label stamped "Accepted with Comments"*
048665-00006 D440124

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Concentrate 1

Misting Concentrate

- A micro-emulsion, water-base spray
- Kills Mosquitoes, including the Culex species that may carry and transmit the West Nile Virus.
- Kills Stable Flies, Horse Flies, Face Flies, Deer Flies, House Flies, Mosquitoes, and Gnats.
- Kills Deer Ticks and other Ixodid species that may carry and transmit Lyme Disease.
- CONCENTRATE 1 kills listed insects without objectionable residues.

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

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.
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For additional information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), you may call 1-888-740-8712 twenty-four (24) hours per day, seven (7) days per week.</p>	

NET CONTENTS 1 GALLON

EPA Reg. No. 48665-6
EPA Est. No. 1021-MN-2

Manufactured by: SHOO-FLY
10337 North U.S. Highway 27 • Ocala, Florida 34482
(352) 351-5858 • 1-800-248-5858

ACCEPTED
With COMMENTS
In EPA Letter Dated:

September 28, 2010

Under the Federal Insecticide, Fungicide
and Rodenticide Act, As amended, for the
pesticide Registered under EPA Reg. No:

48665-6

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or absorbed through the skin. Avoid contact with skin, eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic organisms, including fish and invertebrates. Drift and run-off may be hazardous to aquatic organisms in water adjacent to treated areas. This product may contaminate water through run-off. This water has a potential for run-off for several weeks after application. Poorly draining soils and soils with shallow water tables are more prone to produce run-off that contains this product.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash-waters or rinsate. See Directions for Use for additional precautions and restrictions.

PHYSICAL OR CHEMICAL HAZARDS

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

TO KILL EXPOSED ACCESSIBLE STAGES OF THE FOLLOWING LISTED INSECTS:

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

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FOR USE IN INDOOR AREAS such as:

Animal Areas	Department Stores	Kitchens	Railroad Cars
Animal Control Centers	Diners	Laboratories	Recreational Vehicles
Animal Quarters	Dog Houses	Lanais	Research Animal Quarters
Animal Shelters	Dog Sleeping Quarters	Laundromats	Restaurants
Apartments	Dormitories	Lavatories	Retail Stores
Atriums	Draperies	Libraries	Rice Mills
Attics	Dressers	Liquor Stores	Rooms
Auditoriums	Dried Fruits in Storage	Livestock Barns	Rugs
Automobiles	Drive-Ins	Livestock Hauling Equipment	Schools
Bakeries	Drugstores	Livestock Holding Areas	Seed Storage
Bars	Dumpsters	Living Rooms	Sheep Holding Areas
Basements	Dwellings	Loafing Sheds	Ships
Bathrooms	Egg Processing Plants	Locker Rooms	Ship Holds
Bedding	Fabric Storage Areas	Marinas	Smoke Shops
Bedrooms	Factories	Mattresses	Solariums
Beef Barns	Farm Structures	Mausoleums	Sport Stadiums
Beverage Plants	False Ceilings	Meat Packing Plants	Stable Bins
Boats	Floors	Mess Halls	Stables
Bookcases	Food Processing Plants	Milk Houses	Storage Areas
Bottling Plants	Food Storage Areas	Milk Rooms	Stored Food (bags)
Breweries	Freight Containers	Milk Sheds	Stored Products
Brewery Warehouses	Fruit Packing Sheds	Milking Rooms	Stores
Buildings Housing Animals	Funeral Parlors	Mini-Storage	Sun Porches
Buildings Housing Poultry	Furniture	Mobile Canteens	Sun Rooms
Buses	Garages	Mobile Homes	Swine Houses
Cabinets	Garbage Bins	Morgues	Taverns
Cabins	Garbage Cans	Mortuaries	Tents
Cafeterias	Garbage Compactors	Motels	Textile Mills
Calving Barns	Gas Stations	Movie Theaters	Theaters
Camp Sites	Gazebos	Museums	Tobacco Factories
Campers	Goat Holding Areas	Nursing Homes	Tobacco Warehouses
Canneries	Grain Elevators	Office Buildings	Tool Sheds
Carpets	Grain Handling Equipment	Other Public Buildings	Trailers
Cat Sleeping Quarters	Grain Harvesting Equipment	Outdoor Eating Buildings	Trains
Cattle Barns	Grain Mills	Pantries	Transportation Vehicles
Chests	Grain Storage	Parking Garages	Tree Houses
Churches	Granaries	Patios	Tree Nuts Storage Area
Circus Tents	Grocery Stores	Pet Bedding	Truck Trailers
City Missions	Hog Barns	Pet Carriers	Trucks
Closed Porches	Homes	Pet Grooming Parlors	Tunnels
Closets	Horse Stables and Barns	Pet Sleeping Areas	Utilities
Clothes Storage	Horse Trailers	Pet Stores	Utility Rooms
Club Houses	Hospices	Planes (cargo area only)	Vending Machines
Commercial Buildings	Hospitals	Play Houses	Verandas
Condominiums	Hotels	Play Rooms	Veterinary Clinics
Crawl Spaces	Household Contents	Pool Halls	Voids in Attics
Credenza	Houses	Porches	Warehouses
Crematoriums	Indoor Eating Buildings	Poultry Houses	Washrooms
Dairies	Industrial Installations	Poultry Plants	Wheat Mills
Dairy and Livestock Barns	Industrial Plants	Pounds	Wholesale Stores
Day Care Centers	Institution Dining Areas	Prisons	Wine Cellars
Decks	Institutions	Public Storage	Wineries
Delicatessens	Jails	Quonset Huts	Zoos
Dens	Kennels	Rabbit Processing Plants	

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Concentrate 1 Misting Concentrate

FOR USE IN OUTDOOR AREAS such as:

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

FOR USE ON:

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

DIRECTIONS FOR USE

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

USE RESTRICTIONS & PRECAUTIONS

- Apply this product only as specified on this label.
- Do not contaminate food or feedstuffs.
- Do not use in aircraft cabins.
- Do not wet articles to point of run-off. Do not use treated article until spray has dried.
- Do not allow adults, children or pets to enter until aerosols, vapors and/or mists have dispersed, and the treated area has been thoroughly ventilated.
- Do not apply this product in a way that will contact workers or other persons, either directly or through drift.
- Do not remain in treated area. Exit area immediately and remain outside the treated area until aerosols, vapors and/or mists have dispersed.
- Remove or cover exposed food and drinking water before application. Remove or cover dishes, utensils, food processing equipment and food preparation surfaces, or wash them before use.
- For indoor food handling/processing facilities: Do not make space spray applications when facility is in operation. During space spray applications, cover or remove exposed food. During space spray applications, cover food processing surfaces or clean after treatment with a suitable detergent, rinse with potable water before use.
- For use in dairy barns or facilities: Close milk bulk tank lids to prevent contamination from spray and from dead or falling insects. Remove or cover milking utensils before application. Wash teats of animals before milking.
- For use in commercial animal premise automatic misting systems: Do not apply when food, feed and/or water is present. Do not use in an evaporative cooling system. Do not use in misters located within 3 feet of air vents, air conditioner units or windows.
- Remove pets, birds and cover fish aquariums before application.

Read all directions completely before use. For best results, follow directions for specific use areas.

NOTE:

This concentrated product must be diluted in water. When filling tank, partially fill tank with water and add concentrate. Then fill the rest of the tank with water, agitate well 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.

For maximum effectiveness, following the dilution chart and using a combination of spot, surface treatment and fogging are recommended.

SPACE SPRAYING: Use with conventional mechanical or compressed air equipment to kill exposed accessible stages of, 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, 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 Mealworms, Dark Mealworms, Grain Mites, Cadelles, Red Flour Beetles. Close Room and shut off air conditioning or ventilating equipment. Apply at the rate of one to ten (1-10) fluid ounces per 1,000 cubic feet of space and direct spray toward upper corners of room and ceiling, filling the room with mist. Keep the treated area closed off for at least 1/2 hour and thoroughly ventilate 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, Spider Beetles, Cigarette Beetles 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. To provide maximum penetration and impingement on the insects, direct the spray first into all cracks and crevices, behind all equipment, cupboards, obstructions or dark harborage areas, on walls and 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, and plumbing, behind bookcases, storage and other utility installation areas and in all places that harbor insects. Contact as many insects as possible. If surface application only is to be used, spray floor and other surfaces. To kill ants, treat doors and 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. Where possible, thoroughly spray both top and bottom of rugs and carpets. Also treat shelves, closets, areas under furniture, floors, walls, window sills, baseboards and wherever these insects are seen or suspected.

BED BUGS: Spray mattresses lightly, paying special attention to tufts and seams. Take beds apart and spray in all joints. Treat baseboards, moldings, floors, walls, furniture and other infested areas.

FOR USE IN CANNERIES: Before bringing in produce, thoroughly clean floors, conveying equipment and walls, paying special attention to cracks and crevices. Follow dilution chart and spray the entire space inside of the cannery including walls, ceiling and floors, paying special attention to forcing the spray into all cracks and crevices to kill ants, cockroaches, silverfish, crickets, spiders, fruit flies, moths, house flies and cheese mites.

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 kill listed flying and crawling insects. Confine the use of this product in food processing or food handling establishments to time periods when the plant is not in operation.

DRIED FRUIT PRODUCTS in storage or processing. To kill 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 the trays, bins, and shelves at the rate of 1 to 10 fluid ounces per 1,000 cubic feet of space. Repeat application at this dosage as required. Keep the treated area closed off for at least 1 hour and thoroughly ventilate 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 to kill listed pests. Destroy, fumigate, or treat infested stored products using effective methods or an approved product intended for this purpose. As noted above, disperse first by directing spray into cracks and crevices, and around comers, pallets and stacks of packaged goods hitting as many insects as possible. Then apply as a space spray at a dosage of 1 to 10 fluid ounces per 1,000 cubic feet of room space. Repeat application as necessary for insect kill. Keep the treated area closed off for at least 1 hour and thoroughly ventilate before re-entry. Sweep up and destroy fallen insects.

ON PEANUTS, NUTS, BEANS, SEEDS IN BULK, BAGS OR OTHER PACKAGING: To kill 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 1-10 ounces per 1,000 cubic feet by directing the spray toward the ceiling and upper corners of the area and behind any obstructions.

FOR USE IN MEAT AND POULTRY PROCESSING PLANTS: Apply with a conventional mechanical or compressed air equipment at the rate of 1 to 10 fluid ounces per 1,000 cubic feet of room space. Apply spray into all cracks and crevices in woodwork, walls and floors, underneath sinks, behind pipes and in all places that shelter insects. Contact as many insects as possible. Repeat as necessary.

FOR USE IN TRANSIT PROTECTION: To kill 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 carton or containers. Apply at the rate of 1 gallon per 750 square feet.

FOR USE IN LISTED PET (DOMESTIC ANIMAL) AREAS: For best results, remove, destroy or wash pet's old bedding. To reduce infestation, thoroughly spray pet bedding, sleeping quarters, kennel, around baseboards, window and door frames, into wall cracks, on 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. Keep the treated area closed off for at least 1 hour and thoroughly ventilate before allowing pets (domestic animals) to re-enter.

FOR KENNELS AND OTHER OUTDOOR ANIMAL AREAS: Follow dilution chart to kill listed insects. Apply liberally to surfaces, with special attention to cracks and crevices and other insect hiding places. Keep the treated area closed off for at least 1 hour and thoroughly ventilate before allowing pets (domestic animals) to re-enter.

FOR USE ON LIVESTOCK (NON-DOMESTIC) ANIMALS: 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 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.

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.

To kill 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 kill Poultry Lice and exposed stages of Darkling Beetles, thoroughly spray roosts, walls, nests and cages. Follow by spraying over the birds with a fine mist.

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To kill Bed Bugs and Mites on poultry and in poultry houses, spray crevices of roost poles and cracks in walls and cracks in nests where the Bed Bugs and Mites hide. Follow by spraying over the birds with a fine mist.

To kill Sheep "Tick" or Ked, thoroughly wet all portions of the body by spraying directly into the wool. Treat at a rate to sufficiently wet the animal.

To kill Fleas and Ticks on livestock and to obtain protection against reinfestation, spray to wet animal.

FOR USE IN ANIMAL QUARTERS, Barns, Dairies, Milking Parlors, Milking Rooms, Poultry Houses: To kill 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 the spray toward the ceiling and upper corners until the area is filled with mist, using about two (2) ounces per 1,000 cubic feet of space. Do not direct spray towards animals or birds. For best results, close doors and windows before spraying and keep the treated area closed off for at least 15 minutes and thoroughly ventilate before re-entering.

FOR USE WITH HANDHELD MECHANICAL FOGGERS to kill 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 1,000 cubic feet of space. For best results, close doors and windows before spraying, and keep the treated area closed off for at least 15 minutes and thoroughly ventilate before re-entering.

DIRECTIONS FOR USE IN INDOOR COMMERCIAL ANIMAL PREMISE AUTOMATIC MISTING SYSTEMS:

When using this product, installers and service technicians must comply with the license, certification or registration requirements of the state(s), tribe(s) or local authority(ies) where they are installed. When applying via remote activation device, do not apply when people and pets are present. If possible, when applying via automatic timer, set the timing for application when people and pets are unlikely to be present. Direct nozzles to spray towards the target area and away from areas where people are typically present. Do not use in an evaporative cooling system. Do not use in misters located within 3 feet of air vents, air conditioner units or windows. If used in a system with a reservoir tank for the end-use dilution, the system reservoir tank must be locked. Securely attach the end-use pesticide label and a dilution statement to the system reservoir tank in a weather protected area or plastic sleeve. The dilution statement must be phrased as follows: This container holds _____ parts **CONCENTRATE 1** to _____ parts water. If used in a direct injection system, the pesticide container must be locked. Securely attach the end-use pesticide label of the pesticide container in a weather protected area or plastic sleeve. This product must only be used in systems that have been calibrated to apply no more than the maximum application rate of _____ pounds or gallons of end-use product formulation.

DIRECTIONS FOR USE IN OUTDOOR RESIDENTIAL MISTING SYSTEMS [Unit / Mistors]:

NOTE: NOT REGISTERED for use in Automatic ULV Spraying Systems in the State of New York.

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.

~~Do not apply this pesticide when people, pets and food are present.~~

Do not use in an evaporative cooling system.

Direct nozzles to spray towards the target area and away from swimming pools, water bodies, or eating and cooking areas.

If used in a system [unit / mister] with a reservoir tank for the end use dilution, the system [unit / mister] reservoir tank must be locked. Securely attach the end use pesticide label and a dilution statement to the system [unit / mister] reservoir tank in a weather protected area or plastic sleeve. The dilution statement must be phrased as follows: "This container holds ____ parts **CONCENTRATE I** to ____ parts water.

If used in a direct injection system, the pesticide container must be locked. Securely attach the end use pesticide label to the pesticide container in a weather protected area or plastic sleeve.

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 0.057% pyrethrin solution.
1 (3.8L)	2.33 (68.90 ml)	2.33 (68.90 ml)
5 (18.9L)	2.33 (68.90 ml)	11.65 (344.63 ml)
10 (37.9)	2.33 (68.90 ml)	23.3 (689.00 ml)
30 (113.7L)	2.33 (68.90 ml)	70 (2070.15 ml)
55 (208.4L)	2.33 (68.90 ml)	128 (3785.41 ml)

For high populations of insects or when treating species that are difficult to control, [prepare a 0.075% Pyrethrin solution by diluting 6.4 fluid ounces of concentrate with water to a volume of 2 gallons (24.97 ml /L)] 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 [unit / mister] reservoir tank with water and add concentrate. Then fill the rest of the tank with water and agitate well.

This product must only be used in systems [unit / misters] that have been calibrated to apply no more than the maximum application rate of 0.00011 lbs. (0.05g) a.i. Pyrethrins per 1000 cubic feet per day (281.32 m³), or 1/18th fluid ounce of **CONCENTRATE I** concentrate or 3 [2.3] fluid ounces of 0.057% [0.075%] solution per 1000 cubic feet per day.

For best performance, the spray solution should be in the pH range of 5.5 to 7.0.

This product will control insects 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. Control practices including 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 DILUTION TABLE: Follow dilution chart and apply as directed.

Solution percentage	Ratio of concentrate to water	Fluid ounces of concentrate per gallon of water
0.05% Pyrethrins	1 part concentrate to 59 parts water	2 fluid ounces concentrate / gallon water (15.86 ml/L)
0.10% Pyrethrins	1 part concentrate to 29 parts water	4.3 fluid ounces concentrate / gallon water (34.10 ml/L)
0.30% Pyrethrins	1 part concentrate to 9 parts water	13 fluid ounces concentrate / gallon water (103.09 ml/L)
0.50% Pyrethrins	1 part concentrate to 5 parts water	22 fluid ounces concentrate / gallon water (174.46 ml/L)

Take care 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.

SMALL FLYING INSECTS AND OTHER FLYING INSECTS including FLIES, GNATS, MOSQUITOES, SMALL FLYING MOTHS, and MIDGES: Hold sprayer nozzle 18-24 inches from shrubs, bushes, grassy areas, and other 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, patios and under decks in a similar manner. Kills flies, Mosquitoes including the Culex species that may carry and transmit the West Nile Virus, Midges, and Gnats when used intermittently during outdoor activities and will keep surrounding areas free from these pests. Allow spray to dissipate before occupying the treated area.

ANTS: Spray ant trails, hills, and other areas of entry and infestation. Directly spray ants where possible.

SPIDERS: Directly spray spider and webs.

SOWBUGS, MILLIPEDES, BEETLES, EARWIGS, Pillbugs, Centipedes, Scorpions, Cockroaches, Crickets, Waterbugs, and Palmetto Bugs: Thoroughly spray surfaces and into hiding places such as cracks and crevices, moist areas, openings around pipes and spigots, in storage areas and sheds, and other areas where these pests tend to congregate.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Keep this product in its tightly closed original container, when not in use. Store in a cool, dry (preferably locked) area that is inaccessible to children and animals.

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

CONTAINER HANDLING: Non-refillable 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 for store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.