

1021-1815

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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

DEC 16 2011

Mr. Thomas A. Lennan
McLaughlin Gormley King Company
8810 Tenth Avenue North
Minneapolis, MN 55427-4319

Subject: Notification per PRN 98-10

EPA Registration No.: 1021-1815
Evercide® Esfenvalerate 6.4% CS

Date of Submission: November 14, 2011

Dear Mr. Lennan:


The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the abovementioned product. The Registration Division (RD) has conducted a review of this request and finds that the action(s) requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions regarding this action, please contact Olga Odiott at (703)308-9369.

Sincerely,

A handwritten signature in black ink, appearing to read "Mark Suarez".

Mark Suarez
Product Manager 13
Insecticide Branch
Registration Division (7505P)

	United States Environmental Protection Agency Washington, DC 20460	Reregistration Amendment Other	OPP Identifier Number X
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Application for Pesticide Reregistration - Section I

1. Company/Product Number 1021-1815	2. EPA Product Manager Richard Gebken	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) EVERCIDE® Esfenvalerate 6.4% CS	PM# 10	
5. Name and Address of Applicant (Include Zip Code) McLAUGHLIN GORMLEY KING COMPANY 8810 TENTH AVENUE NORTH MINNEAPOLIS, MN 55427 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input checked="" type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification pursuant to PR-Notice 98-10 to add a non-public health pest.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
*Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container
3. Location of Net Contents information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 1 pint - 55 gallons		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Other <input checked="" type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled					

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Thomas A. Lennan	Title Regulatory Affairs Specialist	Telephone No. (Include Area Code) (763) 544-0341
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 		
3. Title Regulatory Affairs Specialist	5. Date 11/14/2011	
4. Typed Name Thomas A. Lennan		

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EVERCIDE® Esfenvalerate 6.4% CS

(Microencapsulated Insecticide)

Kills for up to 12 months (1 year)

Kills German cockroaches for up to 12 months (1year) on indoor, unsealed concrete and/or cement surfaces only.

ACTIVE INGREDIENT:

(S)-cyano(3-phenoxyphenyl)methyl-(S)-4-chloro-alpha-(1-methylethyl)benzeneacetate..... 6.40%

*OTHER INGREDIENTS..... 93.60%

*Contains petroleum distillates 100.00%

EVERCIDE® - Registered trademark of McLaughlin Gormley King Company

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID	
IF SWALLOWED:	<ul style="list-style-type: none"> Call a poison control center or doctor immediately for treatment advice. Do not give any liquid to the person. Do not induce vomiting unless told to do so by a poison control center or a doctor. Do not give anything by mouth to an unconscious person.
IF IN EYES:	<ul style="list-style-type: none"> Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.
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.
NOTE TO PHYSICIAN: Contains petroleum distillate – vomiting may cause aspiration pneumonia.	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information regarding medical emergencies or pesticide incidents, call 1-888-740-8712.	

Net Contents _____
Manufactured by:



8810 Tenth Avenue North
Minneapolis, MN 55427

EPA Reg. No. 1021-1815

EPA Est. No. 1021-MN-2

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wear protective eyewear (goggles, face shield or safety glasses with side shields). 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 product is toxic to fish and other aquatic invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage system.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirement 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 into sewer systems without previously notifying sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame. Do not use this product in or on electrical equipment due to the possibility of shock hazard.

DIRECTIONS FOR USE

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

Remove pets and birds and cover fish aquariums before spraying.

For control of insects, indoors and outdoors, in food and non-food areas such as, but not limited to: Homes, Schools, Warehouses, Office Buildings, Apartment Buildings, Theatres, Hotels, Industrial Buildings, Motels, Kennels, Livestock Housing, Food Processing Plants, Food Service Establishments, Restaurants, Supermarkets and Grocery Stores, Transportation Equipment, Truck Trailers, Railroad Cars, and Food Manufacturing and Warehousing Establishments. Also for use on Backyards, Lawns, Trees, Ornamental Landscaping, Recreational Areas, Parks and Athletic Fields.

Insects Controlled:

- | | | | |
|--------------------|-----------|------------|-------------------|
| Ants | Dog Ticks | Mealy Bugs | Spiders |
| Aphids | Earwigs | Midges | Spiders |
| Asian Lady Beetles | Fire Ants | Millipedes | Springtails |
| Bedbugs | Fire Ants | Mites | Swarming Termites |
| Beetles | Firebrats | Mosquitoes | Ticks |
| Boxelder Bugs | Fleas | Pillbugs | Ticks |
| Carpet Beetles | Fleas | Psocids | Wasps |
| Centipedes | Gnats | Scales | Waterbugs |
| Cockroaches | Hornets | Scorpions | |
| Crickets | Lice | Silverfish | |

Flying Insects including:

- | | | | |
|---------------|-------------|--------------|--------------------|
| Blow Flies | Crane Flies | Fungus Gnats | Mosquitoes |
| Chiggers | Deer Flies | Gnats | Small Flying Moths |
| Clothes Moths | Face Flies | Horn Flies | Whiteflies |
| Cluster Flies | Fruit Flies | Houseflies | |

Biting and Stinging Pests

- | | | | |
|--------------|------------|------------|----------------|
| Bed Bugs | Deer Flies | Hornets | Wasps |
| Bees | Deer Ticks | Lice | Yellow Jackets |
| Biting Flies | Dog Ticks | Mosquitoes | |
| Chiggers | Fire Ants | Scorpions | |
| | Fleas | Spiders | |
| | Gnats | Ticks | |

Stored Product Pests including:

- | | | | |
|------------------------|---------------------|---------------------------|-----------------------------|
| Angoumois Grain Moths | Flat Grain Beetles | Meal Moth Larvae | Spider Beetles |
| Ants | Fruit Flies | Mediterranean Flour Moths | Spider Mites |
| Cadellles | Grain Mites | Merchant Grain Beetles | Square-necked Grain Beetles |
| Cigarette Beetles | Grain Moths | Red Flour Beetles | Tobacco Moths |
| Confused Flour Beetles | Granary Weevils | Rice Weevils | Yellow Mealworms |
| Dark Mealworms | Indian Meal Moths | Rusty Grain Beetles | |
| Dried Fruit Beetles | Lesser Grain Borers | Saw-toothed Grain Beetles | |
| Drugstore Beetles | Maize Weevils | Skippers | |

Livestock Premise Pests:

- | | | | |
|------------------------------------|--------------|----------------|--------------|
| Bedbugs | Deer Flies | Horn Flies | Mosquitoes |
| Carrion Beetles | Face Flies | Horse Flies | Stable Flies |
| Chiggers | Fleas | Lice | |
| Darkling Beetles (lesser mealworm) | Flies | Litter Beetles | |
| | Hide Beetles | Mites | |

Wood-Destroying Pests including:

- | | | | |
|----------------|--------------------|---------------------|---------------------------|
| Carpenter Ants | Deathwatch Beetles | Old House Borers | Round-headed House Borers |
| Carpenter Bees | Furniture Beetles | Powder Post Beetles | Swarming Termites |

Plant Pests including:

- | | | | |
|--------------------------|----------------------|------------------------|---------------------------|
| Alfalfa Caterpillars | Billbugs | Cutworms | Gypsy Moth Caterpillars |
| Artichoke Plum Moth | Blueberry Spanworms | Diamondback Moths | Hickory Shuckworms |
| American Plum Borers | Cherry Fruit Flies | Elm Leaf Beetles | Imported Cabbageworms |
| Annual Bluegrass Weevils | Cherry Fruitworms | European Pine Sawflies | Japanese Beetles |
| Aphids | Chinch Bugs | Fall Webworms | Lace Bugs |
| Apple Maggots | Codling Moths | Filbert Worms | Leaf Feeding Caterpillars |
| Armyworms | Cowpea Curculios | Flea Beetles | Leaf Miners |
| Bagworms | Cranberry Fruitworms | Grasshoppers | Leaf Rollers |
| Balsam Woolly Adelgids | Cranberry Weevils | Green Cloverworms | Leaf Tiers |
| Beet Armyworms | Cucumber Beetles | Green Fruitworms | Leafhoppers |

Lesser Appleworms
 Lesser Peach Tree Borers
 Loopers
 Lygus Bugs
 Mexican Bean Beetles
 Mites
 Mole Crickets
 Naval Orangeworms
 Northern Pine Weevils
 Oriental Fruit Moths
 Painted Lady Caterpillars
 Pea Weevils
 Peach Tree Borers

Peach Twig Borers
 Pear Psyllid
 Pear Slugs
 Pecan Leaf Phylloxera
 Pecan Nut Casebearers
 Pecan Spittlebugs
 Pecan Stem Phylloxera
 Pecan Weevils
 Pepper Weevils
 Periodical Cicadas
 Pickleworms
 Pillbugs
 Pine Chafers

Pine Coreid Bugs
 Plant Bugs
 Plum Curculios
 Red Pine Sawflies
 Red-striped Fireworms
 Red-headed Pine Sawflies
 Rindworms
 Salt Marsh Caterpillars
 Sap Beetles
 Scales
 Sod Webworms
 Sowbugs
 Spiders

Spittlebugs
 Stink Bugs
 Tarnished Plant Bugs
 Tent Caterpillars
 Thrips
 Tobacco Hornworms
 Tufted Apple Bud Moths
 Velvet Bean Caterpillars
 Walnut Husk Flies
 Western Bean Cutworms
 Whiteflies

GENERAL INFORMATION:

Do not apply this product in patient rooms or in any rooms while occupied by the elderly or infirm. Do not apply to classrooms while in use. Do not apply in institutions (including libraries, schools, sports facilities, etc.) in the immediate area where occupants are present.

EVERCIDE® Esfenvalerate 6.4% CS is a microencapsulated suspension concentrate containing 0.54 pounds active ingredient per gallon (64 mg of i.a./L).

EVERCIDE® Esfenvalerate 6.4% CS is designed to provide long residual activity against pests listed on this label when applied as surface or spot treatments, injected into wall voids, or as a crack and crevice spray in and around residential and commercial structures, as well as on turf and landscaping. EVERCIDE® Esfenvalerate 6.4% CS may be sprayed on any surface that will not be stained by water. DO NOT use this product as a fogger or apply it as a space spray. Do not apply in electrical conduits, junction and switch boxes, motor housings, or other electrical equipment due to shock hazard from water-based spray.

Use only in areas described. Remove pets and cover fish aquariums and pets' food and water dishes before spraying. Keep all people (especially children) and pets out of areas being treated and restrict access to these areas until all surfaces are dry. DO NOT leave product where children or pets can come into contact with it. DO NOT allow spray to contact food or food-containing surfaces, feed, or water supplies. Thoroughly wash dishes and food handling utensils with soap and water if they become contaminated with this product. Food utensils such as teaspoons and measuring cups must not be used for food purposes after use with pesticides.

APPLICATION IN FOOD PROCESSING/HANDLING ESTABLISHMENTS:

Application is Permitted Within Food and Non-Food Areas of Food Service and Handling Establishments (Places Other than Private Residences) Including But Not Limited to: Restaurants, Meat Processing Plants, Grocery Stores, Bakeries, Food Manufacturing and Processing Establishments, and Food Warehousing Establishments. Do not treat establishments where livestock feed is present.

Food areas include areas for receiving, storing, packing, canning, bottling, wrapping, boxing, preparing, edible waste storage, and enclosed processing systems, mills, and dairies. Serving areas are places where prepared foods are served, such as dining rooms, but excluding areas where foods may be prepared or held. Non-food areas include garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, garages, mop closets, and storage after canning or bottling.

General Surface Applications: Do not apply EVERCIDE® Esfenvalerate 6.4% CS as a general surface application in food areas of the facility when the facility is in operation or food is exposed. Do not apply directly to food. Cover or remove all food and food processing equipment prior to application. After spraying in meat packing plants, bakeries, and other food processing plants, wash with an effective cleaning compound, and then rinse all equipment, benches, shelving, etc. where exposed food will be handled with potable water. Repeat applications as needed, but do not exceed more than one (1) application every (14) days.

Spot or Crack & Crevice Applications: Spot or crack and crevice applications may be made while facility is in operation, provided exposed food is covered or removed from the area being treated. Do not apply directly to food or food-handling surfaces. Repeat applications as needed, but do not exceed more than one (1) application every (14) days.

In the home, cover exposed food and do not allow spray to contact food surfaces. If spray does contact these surfaces, clean surfaces with soap and water.

MIXING INSTRUCTIONS:

EVERCIDE® Esfenvalerate 6.4% CS should be mixed with water and applied with hand pressurized or power operated sprayers. Shake container of EVERCIDE® Esfenvalerate 6.4% CS before diluting. Clean spray equipment before use. For dilution, add approximately half the required water to spray tank and then add the appropriate amount of EVERCIDE® Esfenvalerate 6.4% CS. Agitate, and slowly add the remaining water. Agitate spray thoroughly before using and also occasionally during use to ensure dispersion. If spray filter screens are used, they should be 50 mesh or larger. Use 0.5 fluid ounces (15 cc.) of EVERCIDE® Esfenvalerate 6.4% CS in 1 gallon of water to make a spray mix containing 0.025% active ingredient. Use 1.0 fluid ounce (30 cc.) per gallon of water to make a spray containing 0.05% active ingredient. Use 0.025% solution for light infestations or as a maintenance control rate. Use 0.05% for heavy infestations or as an initial clean out rate. Apply two-second bursts of spray per square foot of area being treated. Avoid excessive application. Dampen surfaces but not to the point of saturation or run-off. Only dilute EVERCIDE® Esfenvalerate 6.4% CS with water.

Formula for determining the active ingredient content of the finished spray mixture: The following formula may be used to determine the percent active ingredient that is in the sprayer tank after mixing EVERCIDE® Esfenvalerate 6.4% CS:

$$\frac{(6.4) \times (\text{number of fl. oz. of EVERCIDE® Esfenvalerate 6.4\% CS added to tank})}{(\text{Gallons of finished spray mix}) \times (128)} = \text{Percent Active Ingredient of Spray Mix}$$

Tank Mixing:

EVERCIDE® Esfenvalerate 6.4% CS may be tank mixed with an insect growth regulator such as NyGuard® IGR Concentrate or pyrethrum-containing products or any other currently registered pesticides unless expressly prohibited by the product label. The resulting tank mix may be applied in areas where these products are allowed to be sprayed. Do not tank mix EVERCIDE® Esfenvalerate 6.4% CS with products containing dichlorvos (DDVP).

INDOOR USE:

Application Rates for Indoor Structural Pests:

Pests	Light Infestation		Heavy Infestation		Application Rate of Mixed Solution	Application Methods
	% Active Ingredient	Dilution Rate in Water	% Active Ingredient	Dilution Rate in Water		
Crawling Insects	0.025%	0.5 fl oz /gallon	0.050%	1.0 fl oz/ gallon	1 gallon/1000 sq. ft.	Apply as a broadcast surface spray, crack & crevice treatment, spot treatment, or injection into wall voids.
Flying Insects						

Crawling Insect Pests Indoors:

Apply as a course, wet spray to surfaces where these pests are normally found. Treat floors, baseboards, around doors and windows, in attics, crawl spaces, eaves, corners, closets, walls, utility pipes, storage areas, and all cracks and crevices. Treat underneath sinks, dishwashers, refrigerators, stoves, the underside of shelves, drawers, cabinets, areas behind pipes, and in all places where these insects shelter. Contact as many insects as possible with direct spray. Repeat applications as needed, but do not exceed more than one (1) application every seven (7) days.

For Ant Control Indoors:

Apply to ant trails, around garbage receptacles, and near food sources. Also apply around doors and windows and wherever these pests may find entrance to the structure. Remove sources of food through basic hygiene practices whenever possible.

Flying Insect Pests Indoors:

Treat insect resting areas such as walls and ceilings, screens, around windows, doors, and light fixtures, and other surfaces that attract flying insects. Initiate treatments at the beginning of fly season, and repeat treatments during periods of heavy infestation.

Stinging Insect Pests Indoors:

Apply spray to nests late in the evening when stinging insects are at rest. Thoroughly spray nest, nest entrance, and surrounding areas where insects land or walk. Treat around doors and windows, in attics, crawl spaces, and possible harborage sites or points of entry.

For Control of Brown Dog Ticks:

Thoroughly apply as a spot treatment to infested areas such as pet beds and resting areas, nearby cracks and crevices, along and behind baseboards, window and door frames, and localized areas of floor and floor coverings where these pests may be present. DO NOT SPRAY PETS WITH THIS PRODUCT. Treat dogs and cats with a product registered for use on animals.

For Control of Fleas:

Thoroughly apply as a fine particle broadcast spray to infested rugs, carpets, and pet resting areas. Prior to treatment, aquariums and fish bowls should be covered, and pet animals should be removed from the area being treated. Do not permit humans or pets to contact treated surfaces until spray has dried. Old pet bedding should be removed and replaced with clean, fresh bedding after treatment. DO NOT SPRAY PETS WITH THIS PRODUCT. Treat dogs and cats with a product registered for use on animals.

To Control Bedbugs:

Thoroughly clean and sanitize mattresses and box springs. Treat mattresses and box springs with an approved pesticide, such as a pyrethrin aerosol. Apply EVERCIDE® Esfenvalerate 6.4% CS as a spot treatment to potential harborage sites and migration paths, and cracks and crevices, around baseboards, floorboards, headboards, and walls.

For Control of Stored Product Pests:

Spray thoroughly around and into floor drains, non-food conveyors, benches, pipes, pallets, moist areas, storage racks, pieces of equipment, and other areas where stored product pests may be found. Tank-mix or sequential use of an insect growth regulator, such as NyGuard® IGR Concentrate, is recommended to break the insect reproduction cycle. Do not apply this spray to surfaces or utensils that may come in contact with food, since excessive residues in food may result.

To Treat Voids in Equipment and Structures:

To kill insects harboring in wall voids and other inaccessible spaces in equipment and structures, use injection equipment designed for deep void applications. Follow the injection equipment manufacturer's recommendations for proper set up and air pressures. Place the applicator tip at or into the void space to be treated. For inaccessible voids, it may be necessary to drill an access hole(s). Inject product into the void space in short bursts, allowing air pressure to push insecticide deep into the space. Avoid applying to the point of runoff or drip. Ventilate area thoroughly before re-entry. Do not reapply more than every fourteen (14) days.

To Kill the Accessible Stages of Listed Granary Insects: Use this concentrate to treat grain storage facilities, and other listed areas, for stored product pest control. For control of exposed adult and immature stages of stored product pests, apply to cracks, crevices, and other surfaces where the pests have been seen or have harborage. Treat areas where products are stored before filling with the product. Apply at the rates listed above, using one gallon of spray mix per 1000 square feet of surface area to be treated. Cleaning all areas prior to use will increase levels of control. Any foodstuffs infested with pests should be removed and destroyed. Do not apply when food-processing facility is in operation or foods are exposed. Do not apply this spray to surfaces or utensils that may come into contact with food.

Repeat Application as Needed, but Do Not Exceed More Than One Application Every Fourteen (14) Days.

USE IN AND AROUND LIVESTOCK HOUSING:

For use in and around unoccupied areas of livestock facilities, such as, but not limited to: Barns, Cow and Calf Pens & Hutches, Dairy Barns & Milk Rooms, Hog Barns, Horse Barns, Sheep Barns, Poultry Houses, and Rabbit Hutches. Do not contaminate milk, food, or drinking water. Remove animals from area being treated. Cover feeders and waterers. Do not apply or allow insecticide to drift onto animals. Do not allow animals to enter treated areas until spray solution has dried.

Pests	Light Infestation		Heavy Infestation		Application Methods
	% Active Ingredient	Dilution Rate in Water	% Active Ingredient	Dilution Rate in Water	
Crawling Insects *Including Litter Beetles	0.025%	0.5 fl oz /gallon or sufficient water to cover 1000 sq ft	0.050%	1.0 fl oz /gallon or sufficient water to cover 1000 sq ft	Apply as a general surface spray, crack & crevice treatment, spot treatment, or injection into wall voids.
Flying Insects					

Crawling Insect Pests in Livestock and Poultry Premises:

Apply as a general surface, spot treatment, and/or crack and crevice treatment. Apply to floors and vertical and overhead surfaces where crawling insects are or may be present. Treat stanchions, pipes, windows, doors, posts, cage framing, gates, under (but not in) feeders, and other areas where insects hide or congregate. To reduce immigration of insects, make a perimeter treatment around the outside of building foundations. Apply in a uniform band 1 – 3 feet (0.3 – 0.9 m) up the exterior foundation wall and 3 – 6 feet (0.3 – 1.8 m) out from the foundation.

Litter Beetle Control in Livestock and Poultry Premises:

To control litter beetles (darkling, hide, and carrion beetles), apply EVERCIDE® Esfenvalerate 6.4% CS to walls and floors at cleanout and before reintroduction of animals. Treat areas where beetles frequently occur, such as walls, supports, cages, cage framing, stalls, and around feeders. To reduce immigration of insects, make a perimeter treatment around the outside of building foundations. Apply in a uniform band 1 – 3 feet (0.3 – 0.9 m) up the exterior foundation wall and 3 – 6 feet (0.3 – 1.8 m) out from the foundation.

Flying Insect Pests in Livestock and Poultry Premises:

For residual control of flying insects, treat insect resting areas such walls, ceilings, screens, around windows, doors, light fixtures, and other surfaces that attract flying insects. Initiate treatments at the beginning of fly season and repeat treatments during periods of heavy infestation.

OUTDOOR USE:

Do not spray in or near fishponds or other bodies of water. Do not water the treated area to the point of run-off.

Do not make applications during the rain.
Do not apply directly to sewers or drains, or any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur, except as directed by this label.

Not for use on plants being grown for sale or other commercial use. Not for use in nurseries, sod farms or golf courses.
All outdoor applications must be limited to spot or crack and crevice treatment only, except for the following permitted uses:
(1) Treatment to soil or vegetation around structures;
(2) Applications to lawns, turf, and other vegetation;
(3) Applications to building foundations, up to a maximum height of 3 feet.
Other than applications to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors, and eaves) are limited to spot and crack-and-crevices applications, only.

Application Rates for Outdoor Pests:

	Concentration of Active Ingredient	Dilution Rate In Water	Application Method(s)
Treating Exterior Walls, Foundations and Structures	0.025 to 0.050%	0.5 to 1 fl. oz. / gallon (3.97 ml to 7.93 ml/L) or 0.5 to 1 fl. oz. in sufficient water to cover 1,000 sq. ft. (0.16 ml to 0.32 ml/m ²)	Apply as a coarse, wet spray
Treating nests and harborage areas of stinging insects	0.050%	1 fl. oz. / gallon (7.93 ml/L) or 1 fl. oz. in sufficient water to cover 1,000 sq. ft. (0.32 ml/m ²)	* General Surface Spray * Crack & Crevice Treatment
To Control Swarming Termites and Wood Destroying Pests.	0.050%	1 fl. oz. / gallon (7.93 ml/L) or 1 fl. oz. in sufficient water to cover 1,000 sq. ft. (0.32 ml/m ²)	* Spot Treatment
Treating Ornamental Trees and Landscapes	0.005 to 0.050%	0.1 to 1.0 fl. oz. / gallon (0.793 ml to 7.93 ml/L) or 0.1 to 1.0 fl. oz. in sufficient water to cover 1,000 sq. ft. (0.032 ml to 0.32 ml/m ²)	Apply as a coarse, wet spray * Broadcast Spray Treatment
Mosquito Breeding Sites	0.025%	0.5 fl. oz. / gallon (3.97 ml/L) or 0.5 fl. oz. in sufficient water to cover 1,000 sq. ft. (0.16 ml/m ²)	* Foliar Spray Treatment
Treating Lawns and Turf	0.005 to 0.050%	0.1 to 1 fl. oz. / gallon (0.79ml to 7.93 ml/L) or 0.1 to 1 fl. oz. in sufficient water to cover 1,000 sq. ft. (0.032 ml to 0.32 ml/m ²) 4.3 to 43 fl. oz. per acre (127 ml to 1,271 ml/acre)	Apply as a coarse wet spray * Broadcast Spray Treatment

Treating exterior walls, foundations and structures:

To control infestations of listed pests, treat exterior surfaces of buildings, walls, window frames, around garbage cans, eaves, cracks and crevices, porches, decks, gazebos, patios, carports, garages, fence lines, and other areas where pests are active or may be hiding.

To help prevent insect infestation of buildings: Treat a 2 – 6 foot (0.6 – 1.8 m) band of soil or other substrate adjacent to buildings. Treat building foundation to a height of 2 – 3 feet (0.6- 0.9 m). Treat exterior walls, eaves, cracks and crevices, and other areas where listed pests are active, and may find entrance into building.

Apply with sufficient water to adequately cover the area being treated, but do not allow dripping or run-off to occur. Alternate mixing directions are to use 2 to 4 fluid ounces of concentrate per 50 gallons of water.

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Stinging Insect Control Outdoors:

For stinging insects, apply spray solution to nests and harborage areas late in the evening when stinging insects are commonly at rest. Thoroughly spray nest, nest entrance, harborage sites, and surrounding areas where insects land or walk. For nests inside walls, inject sufficient spray to treat nest. Do not use in areas where an electrical shock hazard exists. For applications made when pests are active, applicator should wear protective equipment as required. Repeat application when there are signs of renewed insect activity.

For Yellow Jacket control, EVERCIDE® Esfenvalerate 6.4% CS can be mixed with baits in traps. Follow trap instructions for preparation of bait.

For control of Fire Ants, combine broadcast application with mound drenches to control foraging workers and newly mated fly-in queens. Apply EVERCIDE® Esfenvalerate 6.4% CS as a broadcast application at a rate of 8 fl. oz. of concentrate per 1,000 square feet (2.54 ml/m²). Treat mounds with a registered fire ant mound treatment.

Insect Control in Ornamental Trees and Landscapes:

For residential and commercial trees, shrubs, ground covers, and bedding and foliage plants that will not be harvested for food, apply EVERCIDE® Esfenvalerate 6.4% CS in appropriate volumes of water to obtain thorough coverage. Apply as a full-coverage foliar spray, applying to the point of drip but not runoff. Treat active soil pests with an application to surrounding soil. Repeat treatments as necessary to achieve control, using higher application rates as pest pressure and foliage area increases. Repeat applications as necessary, but no more than once every seven (7) days. Certain plants may be sensitive to the final spray solution. A small-scale test is recommended to verify safety to ornamental plants. Spray and observe for one (1) week prior to application of an entire planting.

Insect Control on Lawns, Turf Grass, and Turf:

For best results, lawn or turf grass should be mowed 1 – 2 days before spraying. Treat with spraying equipment or a hand sprayer. Use application volumes of up to 10 gallons per 1,000 square feet (400 ml/m²) to get uniform coverage when treating dense grass foliage. For low volume applications using less than 2 gallons of spray solution per 1,000 square feet (80ml/m²), immediate irrigation with at least 0.25 inches (0.635 cm) of water is recommended to improve effectiveness on sub-surface pests.

When hand spraying, spray using a slow, even sweeping motion, making sure to cover the entire lawn or turf grass area where pests are observed. Spray under ornamentals and trees. Repeat treatments may be necessary at 7 – 14-day intervals.

Rate Range:

Use lower rate range for pests that are commonly exposed and will be contacted by spray solution at the time of application. For pests that will not be contacted by spray solution at the time of application, use the upper rate range. Use 1 fl. oz per 1,000 sq. ft. (7.93 ml/L) when treating Mole Crickets and Chinch Bugs.

To Kill Swarming Termites: OUTDOORS ONLY.

Apply spray mix as a coarse, wetting spray when swarming termites are seen emerging from woodpiles, wooden fence posts, wooden structures, or from the ground. Swarming usually occurs in the spring or at other times when a termite colony becomes overcrowded and new reproductive termites with wings emerge and fly away to mate and establish new colonies. This treatment will control the sprayed termites and will not protect the structure from which the swarm is coming. Use only as a contact spray to kill emerging reproductive (winged) and worker termites emerging from infested wood. This treatment is not a substitute for a comprehensive termite control program.

To Kill Wood Destroying Pests: OUTDOORS ONLY.

Apply spray mix as a coarse, wetting spray to exposed pests and to the damaged areas of wood, spraying into galleries or tunnels in the exposed wood. Also, spray around doors, window and door frames, and other areas where these pests may hide or enter the house. Spray into cracks and crevices and, if necessary, drill small holes and spray into inaccessible wooden structural voids where these pests are suspected.

Mosquito Breeding sites:

Mosquito populations may be reduced by application of EVERCIDE® Esfenvalerate 6.4% CS to sites where mosquitoes rest, harbor, and breed. Apply spray solution into tall grass, shrubbery, and around backyards and lawns where these pests may hover or rest. Apply while air is still.

Not for wide area mosquito abatement using aerial or truck mounted cold aerosol ULV sprayers and thermal fogging devices.

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STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

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

PESTICIDE DISPOSAL

To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local government or by industry).

CONTAINER HANDLING

Nonrefillable container. Do not reuse or refill this container.

[For containers less than or equal to 5 gallons]

Triple rinse as follows: Empty the remaining contents into the 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 the application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill or by incineration. Do not burn unless allowed by state and local ordinances.

[For containers greater than 5 gallons]

Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill or by incineration. Do not burn unless allowed by state or local ordinances.

