



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460

EPA Reg. Number:  
1021-1834

Date of Issuance:  
APR 21 2006

Term of Issuance: Conditional

Name of Pesticide Product:  
EVERCIDE® Permethrin 10/10

NOTICE OF PESTICIDE:

Registration  
 Reregistration

(Under FIFRA as amended)

Name and Address of Registrant (include ZIP Code):  
McLaughlin Gormley King Company  
8810 Tenth Avenue North  
Minneapolis, MN 55427-4319

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A), subject to the following provisions:

1. You will submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. You will make the following label changes before you release the product for shipment:
  - a) Revise the EPA Registration Number to read "EPA Reg. No. 1021- 1834".
  - b) The phrase "*Restricted Use due to Acute Oral Toxicity*" must appear at the top of the label's front panel and also under the heading "Directions for Use". Refer to 40 CFR 156.10(j)(2)(i) for details regarding appropriate placement and appearance of the statement. Refer to No. 3 below and 40 CFR 152.170 for details concerning the trigger for this classification.
  - c) Delete the phrase "Recommended for Commercial/Agricultural Use.
  - d) The word "Poison" and the skull and crossbones symbol must appear near the signal word "Danger". The word "POISON" must appear in red on a background of a distinctly contrasting color. Refer to 40 CFR 156.64(a)(1) for details.
  - e) Revise the first bullet of the If Swallowed first aid statements by adding "*for treatment advice*" at the end of the sentence.
  - f) Revise the third bullet of the If Swallowed first aid statements to read: "*Have person sip a glass of water if able to swallow*".
  - g) Delete "For terrestrial uses" from the Environmental Hazards statements. There are no aquatic uses on this label.

- h) Add "*and other aquatic organisms*" at the end of the first sentence under Environmental Hazards.
- i) On page 4 replace "*space spray*" with "*premise spray*" in the second table.
- j) Under Indoor Use Areas:
  - o Revise the sentence beginning with "In the home, cover or..." to read "*In the home, remove all exposed food and cooking utensils. Cover all food handling surfaces or wash thoroughly after treatment and before use.*"
  - o Add "feed" to food areas, i.e., do not use in the *food/feed* areas of *food/feed* handling establishments..., etc.
- k) Revise the Pesticide Disposal statement to read: "*Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.*"
- l) Delete "*and other listed indoor and outdoors areas*" from the statement beginning "For use in automatic ULV spraying systems, in areas such as animal quarters..." Then add "*Not for use in outdoor areas*".
- m) Add the following instructions/precautions to the automatic ULV spray system section:
  - o "*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.*"
  - o "*Personnel should vacate containment treatment areas while treatment is in progress. Treated areas should be thoroughly ventilated prior to re-entry by personnel. Do not use in commercial food/feed handling establishments, restaurants, or other areas where food is commercially prepared or processed.*"
  - o "*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.*"
- n) Make the following changes to the table entries under Animal and Animal Premise Use Areas listed below:
  - o "Stable flies, horse flies, and deer flies"—change the lowest dilution (0.05%) to 0.5%
  - o "Horn flies, house flies, mosquitoes, and gnats"—change the lowest dilutions (0.025 and 0.05%) to 0.5%.
  - o "Fleas, flies, ticks, lice, and mange mites in kennels, doghouses, runs, and yards"—change the lower dilutions (0.025, 0.05, and 0.1%) to 0.25%.
- o) For all flea, house fly, German cockroach and ant treatments, the minimum concentration supported by the data is 0.5% Permethrin. Therefore, remove lower dilutions.
- p) The data supports the carpenter ant use at 0.5% only. Therefore, change the dilution to 6.4 oz/gallon.
- q) The following uses are not supported by the data provided with this submission. Remove these uses from the label, or submit or cite appropriate data:
  - o Termite and carpenter ants
  - o Lice and louse eggs
  - o Fire ants
  - o Mosquitoes, black flies, wasps, hornets, and yellow jackets.

3. The acute oral toxicity study is classified as unacceptable since enough doses were not tested to determine the correct acute toxicity category. A toxicity category I has been assigned in lieu of acceptable data while you conduct and submit an acceptable acute oral study as agreed in your correspondence of 03-20-2006. Please refer to attached Technical Review Branch memorandum for details concerning submittal of acceptable data. The acute toxicity profile of this product is as follows:

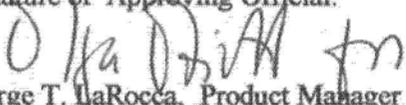
Acute Oral ----- I (LD <sub>50</sub> < 1000 mg/kg)	Primary Eye Irritation ----- IV
Acute Dermal --- III	Primary Dermal Irritation --- IV
Acute Inhalation --- IV	Skin Sensitization ----- Negative

4. Your certification regarding child-resistant packaging (CRP) has been reviewed and found acceptable regarding compliance with 40 CFR 157.32.
5. The Confidential Statement of Formula (CSF) dated 09-24-04 is acceptable. A copy of the CSF has been placed in the file for the subject product.
6. Please submit three (3) copies of your final printed labeling before releasing the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing amended labeling constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

Copies of the acute toxicity, product chemistry, and product efficacy reviews are enclosed for your records.

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

Signature of Approving Official:



George T. LaRocca, Product Manager (13)  
Insecticide Branch/Registration Division (7505C)

Date:

APR 21 2006

Enclosures

# MCK

McLAUGHLIN  
GORMLEY  
KING COMPANY

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

**Recommended For Commercial/Agricultural Use**

A long lasting livestock and premise spray that provides quick knockdown, broad spectrum insecticidal effectiveness and excellent residual activity for up to 26 days

**Synergized Formula for Effective Control**

Kills Gypsy Moth Caterpillars, Japanese Beetles, Multicolored Asian Lady Beetles, Roaches, Ants, Fleas, Ticks, Lice, Bad Bugs, Horn Flies, House Flies, Meal Worms, Darkling Beetles, Poultry Lice, Fowl Mites, and numerous other insects as listed

Kills mosquitoes which may transmit West Nile Virus

For use outdoors and in homes and nonfood areas of commercial buildings, institutions, warehouses, theaters, office buildings, schools, motels, hotels, restaurants, food/feed processing establishments, hospitals, kennels, poultry houses, dairies, cattle barns, milking parlors, horse barns and swine houses.

Not for Forestry Use or Commercial Nursery Use

Not for use on plants being grown for sale or other commercial use, or for commercial seed production or for research purposes

For Use in Automatic Spraying Systems, in Areas such as animal quarters, dairy and beef barns, poultry houses, swine housing, warehouses and other listed indoor and outdoor areas

Friendly to most common ornamental plants

Kills Deer Ticks that may Transmit Lyme disease

Kills Ants (including Fire Ants) and other home invading pests

Kills Home Invading Pests Outdoors such as Ants, Beetles, Box Elder Bugs, Multi-colored Asian Lady Beetles, Cockroaches, Crickets, Earwigs, Fleas, Ticks, Scorpions and other crawling and flying insects

Less likely to develop resistance on stagnant populations than unsynergized Permethrin products

New Polymerio Surfactant System - a unique formulation that allows convenient and stable dilution with water

Multi-Purpose Insect Killer

Aids in Reducing Annoyance from Mosquitoes and Other Flying Insects

Use on Lawns, Ornamental Gardens and Trees

**ACTIVE INGREDIENT:**

Permethrin [(3-Phenoxypheyl) methyl (+ or -) cis-trans-3-(2,2-dichloroethyl) 2,2-dimethylcyclopropanecarboxylate].....	10.00%
Piperonyl Butoxide, Technical**.....	10.00%
<b>OTHER INGREDIENTS</b> .....	80.00%
	100.00%

\* Cis-trans isomers ratio: Min. 35% (+ or -) cis and Max. 65% (+ or -) trans  
 \*\* Equivalent to 8.00% (butylcarbyl) (8-propylpiperonyl) ether and 2.00% related compounds.  
 Contains 0.856 lbs. of pyrethroid per gallon

**KEEP OUT OF REACH OF CHILDREN  
 DANGER**

IF SWALLOWED:	FIRST AID
<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give any liquid to the person.</li> <li>• Do not give anything by mouth to an unconscious person.</li> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> </ul>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<p>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.</p>	

**Net Contents**

Manufactured by:  
 McLAUGHLIN GORMLEY KING COMPANY  
 8810 Tenth Avenue North  
 Minneapolis, MN 55427

EPA Reg. No. 1021-

EPA Est. No. 1021-MN-2

**ACCEPTED  
 with COMMENTS**

**In EPA Letter Dated  
 April 27, 2006**

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 1021-1834

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

**DANGER**

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

**ENVIRONMENTAL HAZARDS**

This pesticide is extremely toxic to fish. For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to terrestrial areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or wastes. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. 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.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use this product in or on electrical equipment due to 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.

**READ ENTIRE LABEL BEFORE EACH USE.**

Keep container sealed when not in use. Protect from freezing. To prepare dilutions, add the required amount of concentrate to water and blend thoroughly.

Dilution rates on this label will yield the following ready-to-use product:

RATE	Ounces of Concentrate per Gallon	% PERMETHRIN
1:19	6.4	0.50%
1:39	3.2	0.25%
1:100	1.28	0.10%
1:200	0.64	0.05%
1:400	0.32	0.025%

The number following the dilution directions on this label refers to the ready-to-use Permethrin level.

For maximum effectiveness, a combination of localized application and space treatment is recommended. Remove pets and birds and cover fish aquariums before spraying.

**INDOOR USE AREAS**

Do not use in food areas of food handling establishments and restaurants or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed for facility in operation. Serving areas are areas where prepared foods are served such as dining rooms, but excluding areas where foods may be prepared or held. In the home, cover or remove all food processing surfaces and utensils before treatment or thoroughly wash before use following treatment. Cover or remove exposed food.

NON-FOOD/FEED AREAS include (but are not limited to) garage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after cleaning or brooming).

- |                     |                          |                  |
|---------------------|--------------------------|------------------|
| BAKERIES            | BEVERAGE PLANTS          | CANNERIES        |
| FLOUR MILLS         | FOOD PROCESSING PLANTS   | GRAIN ELEVATORS  |
| GRANARIES           | HOSPITALS                | HOTELS           |
| MOTELS              | INDUSTRIAL INSTALLATIONS | KENNELS          |
| MEAT PACKING PLANTS | HOMES                    | OFFICE BUILDINGS |
| RAILROAD CARS       | RESTAURANTS              | SCHOOLS          |
| SHIPS' HOLDS        | SUPERMARKETS             | WAREHOUSES       |
| TRUCK TRAILERS      |                          |                  |

**APPLICATION METHOD: SURFACE SPRAY:**

PESTS CONTROLLED	USE DIRECTIONS	DILUTION RATE
Cockroaches, Waterbugs, Palmateo Bugs, Ants, Silverfish, Firebrats, Spiders, Crickets, Millipedes, Centipedes, Sowbugs, Pillbugs, Clover Mites, Cheese Mites, Granary Weavils, Rice Weavils, Confused Flour Beetles, Rust Red Flour Beetles, Saw-toothed Grain Beetles, Spider Beetles, Cigarette Beetles, Drug Store Beetles, Dandruff Beetles, Mealworms, Grain Mites, Caddislar, and Lesser Houseflies and other mature breeding flies.	Use a sprayer adjusted to deliver a coarse wet spray. Direct the spray into hiding places, cracks and crevices, under pallets, around containers of stored foods, around the base of machinery and behind shelves and drawers. Spray bookcases for Silverfish. Spray Art trails, nests and points of entry. If surface application only is to be used, spray floors, walls and other surfaces applying at a rate of 1 gallon to 750 square feet of surface.	For initial clean up of severe insect infestation, dilute at a rate of 1 part concentrate in 19 parts water (6.4 fluid ounces per gallon) (0.5%).  For normal infestations, dilute 1 part concentrate in 39 parts water (3.2 ounces per gallon) (0.25%).  For maintenance use, dilute 1 part concentrate in 100 parts water (1.28 ounces per gallon) (0.1%).  For initial clean up of severe insect infestation, dilute at a rate of 1 part concentrate in 19 parts water (6.4 fluid ounces per gallon) (0.5%).
Catnipweeds, Ground Beetles, Pillbugs, Sowbugs, Scorpions and Ticks	Apply around doors and windows and other places where these pests may enter premises. Treat baseboards, storage areas and other locations where these pests are found.	For normal infestations, dilute 1 part concentrate in 39 parts water (3.2 ounces per gallon) (0.25%).  For maintenance use, dilute 1 part concentrate in 100

Carpet Beetles	Spray edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards. Spray directly into cracks, closets and infested areas of shelving.	parts water (1.28 ounces per gallon) (8 teaspoonfuls per gallon) (0.1%). For initial clean up of severe insect infestation, dilute at a rate of 1 part concentrate in 19 parts water (6.4 fluid ounces per gallon) (0.5%). For normal infestation, dilute 1 part concentrate in 39 parts water (3.2 ounces per gallon) (0.25%). For maintenance use, dilute 1 part concentrate in 100 parts water (1.28 ounces per gallon) (0.1%). For initial clean up of severe insect
Flying Insect Resting Places (Aids in the control of Mosquitoes, Gnats, Skippers, Box Elder Bugs, Multi-Colored Asian Lady Beetles)	Treat walls, ceilings, moldings, screens, door frames, window frames, beams, light cords, and similar resting places.	Dilute at a rate of 1 part concentrate in 19 parts water (6.4 fluid ounces per gallon) (0.5%). For initial clean up of severe insect infestation, dilute at a rate of 1 part concentrate in 19 parts water (6.4 fluid ounces per gallon) (0.5%). For normal infestation, dilute 1 part concentrate in 39 parts water (3.2 ounces per gallon) (0.25%). For maintenance use, dilute 1 part concentrate in 100 parts water (1.28 ounces per gallon) (0.1%). For initial clean up of severe insect
Clothes Moths	Remove infested articles from storage, brush thoroughly and air for several hours in sunlight, if possible. Apply spray liberally to empty chests, closets, bureaus and other storages directing the spray into cracks, joints, and crevices. After airing, infested articles may be treated lightly, keeping nozzle at least three feet from fabric to avoid staining.	For normal infestation, dilute 1 part concentrate in 39 parts water (3.2 ounces per gallon) (0.25%). For maintenance use, dilute 1 part concentrate in 100 parts water (1.28 ounces per gallon) (0.1%). For initial clean up of severe insect
Bedbugs	Spray mattress lightly, particularly around tufts and	For initial clean up of severe insect

Lice and Louse Eggs	Spray in an inconspicuous area prior to use to test for possible staining or discoloration. Inspect again after drying. Spray from a distance of 6 to 10 inches. Treat only those garments and parts of bedding, including mattresses and furniture that cannot be either laundered or dry cleaned. Allow all treated articles to dry thoroughly before use.	For initial clean up of severe insect infestation, dilute at a rate of 1 part concentrate in 19 parts water (6.4 fluid ounces per gallon) (0.5%). For normal infestation, dilute 1 part concentrate in 39 parts water (3.2 ounces per gallon) (0.25%). For maintenance use, dilute 1 part concentrate in 100 parts water (1.28 ounces per gallon) (0.1%). For initial clean up of severe insect
Flies and Ticks (adult and larvae)	Test delicate fabrics in an inconspicuous area prior to use. Thoroughly spray infested areas, per beds, nesting quarters, nearby cracks and crevices, along and behind baseboards, moldings, window and door frames and localized areas of floor and floor coverings (rugs and carpets). Fresh bedding should be placed in animal quarters once spray has dried. Adult flies and larvae contacted by spray will be killed.	For normal infestation, dilute 1 part concentrate in 39 parts water

	(3.2 ounces per gallon) (0.25%).
	For maintenance use, dilute 1 part concentrate in 100 parts water (1.28 ounces per gallon) (8 teaspoonfuls per gallon) (0.1%).

APPLICATION METHOD: SPACE SPRAY		
PESTS CONTROLLED	USE DIRECTIONS	DILUTION RATE
House Flies, Fruit Flies, Gnats, Mosquitoes, Skipper Flies, Wasps, Hornets, Bees, Black Flies, Multi-Colored Ashlar Lady Beetles, Box Elder Bugs, Argemone Grain Moths, and Tobacco Moths	Apply with mechanical or compressed air equipment (non-thermal) adjusted to deliver a fine mist. Close doors and windows and shut off ventilating systems. Direct spray at an upward angle distributing it uniformly through the entire area at a rate of 1 ounce per 1,000 cubic feet of space. Keep area closed for at least 10 minutes. Vacate areas after treatment and ventilate and sweep up dead insects before occupying.  For rapid kill of exposed or accessible stages of other insects named on this label: Apply using conventional mechanical or compressed air equipment (non-thermal), following directions for space spraying. Apply/dilutions at a rate of 1 ounce per 1,000 cubic feet of space.	For initial clean up of severe insect infestation, dilute at a rate of 1 part concentrate in 19 parts water (8.4 fluid ounces per gallon) (0.5%).  For normal infestations, dilute 1 part concentrate in 39 parts water (3.2 ounces per gallon) (0.25%).  For maintenance use, dilute 1 part concentrate in 100 parts water (1.28 ounces per gallon) (8 teaspoonfuls per gallon) (0.1%).

APPLICATION METHOD: SPACE SPRAY:		
PESTS CONTROLLED	USE DIRECTIONS	DILUTION RATE
Mosquitoes, Wasps, Gnats, Armywren Flies, and Skippers	Treat walls, ceilings, moldings, screens, door frames, window frames, beams, light cords, and similar resting places.	Dilute 1 part concentrate in 40 parts water (3.2 fluid ounces per gallon of water) (0.25%).
Gypsy Moth Caterpillars and Adults, Adult Japanese Beetles, Eastern and Forest Tent Caterpillars, Moth Chickens, and Grasshoppers	Apply to insure thorough coverage of upper and lower surfaces. Thoroughly wet down grass a few hours before applying. Home lawns should be not taller than 3 inches at time of application. Irrigate with 1/4 inch of water immediately after application. For heavy infestations, repeat application after 2 weeks.  Treat trees and shrubs as soon as insects emerge (usually late spring). Treat leaves, branches, and tree trunks evenly, making sure to penetrate dense foliage. Repeat application every 7 days as necessary for control.	Dilute 1 part concentrate in 40 parts water (3.2 fluid ounces per gallon of water) (0.25%).  Mix 1.28 fl. oz. per gallon of water and treat 1,000 sq. ft. Slightly more water may be used as long as the amount of product per area is the same.
	ON ROSES AND IN FLOWER GARDENS: Treat plants and flowers as soon as insects appear. Spray plants and flowers making sure to penetrate dense foliage. Repeat application every 7 days or as necessary for control.	

Fire Ants	Apply at the rate of one gallon per mound as a gentle rain from a typical garden sprinkling can. Thoroughly wet the mound and surrounding area to a diameter of 4 feet. For best results, apply in cool weather, 65° to 80°F, or in early morning or late evening hours. Treat new mounds as they appear. Do not disturb the mound prior to treatment. Treat all mounds in the vicinity and treat all colonies, which have not yet constructed mounds. Do not use equipment that produces a pressurized spray since this will disturb fire ants and cause migration, reducing product effectiveness.	Mix 6.4 fl. oz. in 1 gallon of water.
Ants, Cockroaches, Earwigs, Fleas, and Ticks	For localized infestations of these insects in areas where there are weeds or brushy non-crop areas, spray treated areas thoroughly. For ants, thoroughly wet hills and runways.	For severe infestation, dilute 1 part concentrate in 19 parts water (8.4 oz. per gallon of water) (0.5%). and treat 400 linear feet with a 5-inch spray band. For normal infestations, dilute 1 part concentrate in 39 parts water (3.2 oz. per gallon) (0.25%).
Cover Mites, Millipedes, Sowbugs (Pillbugs)	To help prevent infestation of buildings, treat the building foundation to a height of 2 to 3 feet where pests are active and may find entrance. Also, apply as a residual spray to outside surfaces of buildings, patios, garages, and other areas where these pests may be found.	For severe infestation, dilute 1 part concentrate in 19 parts water (8.4 oz. per gallon of water) (0.5%) and treat 400 linear feet with a 5-inch spray band. For normal infestations, dilute 1 part concentrate in 39 parts water (3.2 oz. per gallon) (0.25%).
Armyworms, Cutworms, Church Bugs, Sod Webworms	Thoroughly wet down grass a few hours before applying. Home lawns should be no taller than 3 inches at time of application. Delay watering or mowing for 24 hours after treatment. For heavy infestation, repeat application after 2 weeks.	Mix 3.2 fl. oz. per gallon of water and treat 1,000 sq. ft. Slightly more water may be used as long as the amount of product per area is the same.
<b>ANIMALS AND ANIMAL PREMISE USE AREAS INCLUDING CATTLE BARN, SWINE HOUSES, MILK ROOMS, POULTRY HOUSES, HORSE BARN, KENNEL, DAIRIES, MILKING PARLORS.</b> For Use on Dairy and Beef Cattle, Sheep, Goats, Swine, Horses, and Poultry.		
<b>CONTROLLED PESTS</b> Horn Flies, House Flies, Mosquitoes, and Gnats	<b>USE DIRECTIONS</b> Apply to wet the hair thoroughly, with particular attention to top line, underlines, flanks, withers, and other infested areas. Repeat treatment at intervals of 5 to 12 days for small insect populations or as needed when flies are emerging in large numbers.	<b>DILUTION RATE</b> For clean up of severe insect infestation, dilute at a rate of 1 part concentrate in 100 parts water (1.28 ounces per gallon) (8 teaspoons per gallon) (0.1%).

Stable Flies, Horse Flies and Deer Flies	Apply a quart per adult animal to wet the hair thoroughly with particular attention to the legs, flanks, barrel, topline and other body areas commonly attacked by these flies. Repeat daily as needed.	For normal infestations, dilute 1 part concentrate in 200 parts water (0.64 ounces per gallon) (4 teaspoons per gallon) (0.05%).  For maintenance use, dilute 1 part concentrate in 400 parts water (0.32 ounces per gallon) (2 teaspoons per gallon) (0.025%).
Face Flies	Apply using spray that produces large wetting droplets. Apply to the face of the animal in the morning before releasing to pasture. Apply sufficiently to wet the face, but not more than 1 1/2 ounces per animal. Repeat daily as needed.	For normal infestations, dilute 1 part concentrate in 200 parts water (0.64 ounces per gallon) (4 teaspoons per gallon) (0.05%).  For maintenance use, dilute 1 part concentrate in 400 parts water (0.32 ounces per gallon) (2 teaspoons per gallon) (0.025%).
		For clean up of severe insect infestation, dilute at a rate of 1 part concentrate in 100 parts water (1.28 ounces per gallon) (8 teaspoons per gallon) (0.1%).

Poultry Lice	Spray roasts, walls and nests or cages thoroughly, followed by spraying over the birds with a fine mist.	For maintenance use, dilute 1 part concentrate in 400 parts water (0.32 ounces per gallon) (2 teaspoonfuls per gallon) (0.025%). For clean up of severe insect infestation, dilute at a rate of 1 part concentrate in 100 parts water (1.28 ounces per gallon) (8 teaspoonfuls per gallon) (0.1%). For normal infestations, dilute 1 part concentrate in 200 parts water (0.64 ounces per gallon) (4 teaspoonfuls per gallon) (0.05%). For maintenance use, dilute 1 part concentrate in 400 parts water (0.32 ounces per gallon) (2 teaspoonfuls per gallon) (0.025%).
Bedbugs and Mites (including Northern Fowl Mite) in Poultry Houses	Spray crevices of roost poles, cracks in walls and cracks in nests where the bedbugs and mites hide. Spray birds with a fine mist paying particular attention to vents. Use at the rate of 1 gallon of spray per 100 birds.	For clean up of severe insect infestation, dilute at a rate of 1 part concentrate in 100 parts water (1.28 ounces per gallon) (8 teaspoonfuls per gallon) (0.1%). For normal infestations, dilute 1 part concentrate in 200 parts water (0.64 ounces per gallon) (4 teaspoonfuls per gallon) (0.05%). For maintenance use, dilute 1 part concentrate in 400 parts water (0.32 ounces per gallon) (2 teaspoonfuls per gallon) (0.025%).
Sheep "Tick" or Kid	Thoroughly wet all portions of the body by dipping or spraying with sufficient pressure	For clean up of severe insect infestation, dilute

Fleas, Ticks, Lice and Mange Mites (adults and larvae on Livestock)	Thoroughly wet the animal by dipping, spraying or spraying. Allow animal to dry in a warm place without raiting or toweling. Give long lasting protection against reinfestation. Repeat applicators at intervals of 2 to 3 weeks.	For clean up of severe insect infestation, dilute at a rate of 1 part concentrate in 100 parts water (1.28 ounces per gallon) (8 teaspoonfuls per gallon) (0.1%). For normal infestations, dilute 1 part concentrate in 200 parts water (0.64 ounces per gallon) (4 teaspoonfuls per gallon) (0.05%). For maintenance use, dilute 1 part concentrate in 400 parts water (0.32 ounces per gallon) (2 teaspoonfuls per gallon) (0.025%).
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Flies, Fleas, Ticks, Lice and Mange (adults and larvae) in kennels, doghouses, runs and yards	Thoroughly wet pest breeding or resting area to runoff. Most efficient pest control is accomplished when heavy pressure and frequency of application should be based on pest population reaching nuisance levels, but accompanying manure removal and sanitation practices should precede sprays. Do not spray feed, food, or water. Repeat as needed, but not more often than once every 2 weeks.	For clean up of severe insect infestation, dilute at a rate of 1 part concentrate in 100 parts water (1.28 ounces per gallon) (8 teaspoons per gallon) (0.1%).
Meal Worms, Draining Beesles	Apply as a fog or fine mist, directing the spray toward the ceiling and upper corners until the area is filled with mist. Use about 2 ounces per 1,000 cubic feet of space. For best results, close doors and windows before spraying and keep closed for 10 to 15 minutes. Vacate the treated area and ventilate before reoccupying.	For normal infestations, dilute 1 part concentrate in 200 parts water (0.64 ounces per gallon) (4 teaspoons per gallon) (0.05%). For maintenance use, dilute 1 part concentrate in 400 parts water (0.32 ounces per gallon) (2 teaspoons per gallon) (0.025%).
Hom Flies, Face Flies, Hornflies, Ear Ticks	Back rubber - Keep back rubber charged. Results can be improved by forced use.	For normal infestations, dilute 1 part concentrate in 200 parts water (0.64 ounces per gallon) (4 teaspoons per gallon) (0.05%). For maintenance use, dilute 1 part concentrate in 400 parts water (0.32 ounces per gallon) (2 teaspoons per gallon) (0.025%).
Blowflies, Hog Lbs, Ticks (including deer ticks, carrier of Lyme disease)	Spray, dip, or sponge to apply 1 pint per pig, especially around ears.	Dilute 1.28 oz. per gallon of water (1 part concentrate to 100 parts water) (0.10%).

Poultry Mites, Northern Fowl Mites and Lice	Spray at the rate of 1 gallon per 100 birds, with a fine mist. Spray roosts, walls and nests or cages.	Dilute 1.28 oz. per gallon of water (1 part concentrate to 100 parts water) (0.10%).
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**FOR DAIRY CATTLE:** Spray lactating dairy cows only after milking is complete.  
**FOR SWINE:** Do not ship animals for slaughter within 5 days of last treatment.

**TO CONTROL WOOD-INFESTING INSECTS INCLUDING TERMITES\*\* on buildings, porches, wooden decks and patios, wooden fences, window frames, doorways, foundations, sewers, patios, garages, garage areas and other areas where you may find the following pests:**

PESTS CONTROLLED	USE DIRECTIONS	DILUTION RATE
For Beetles (Furniture, Deathwatch, False Powderpost, Longhorned, Powderpost)	Spray infested surfaces until thoroughly wet, avoiding dripping and runoff. Apply evenly on wood surfaces. To treat small areas, apply by brushing or spraying the diluted spray. For large areas, use a coarse, low-pressure spray. Repeat treatment as needed to maintain effectiveness. Do not spray into electrical outlets or utilities.	Mix 2.5 fl. oz. (5 tbsp) with 1 gallon of water to treat 100 sq. ft.
	Spray infested areas and areas likely to be infested, such as wood surfaces, voids and crevices in damaged wood, spaces between wooden parts of a structure, and between wood and foundations where infestation is likely to occur, also around fence posts, wood piles (do not use on firewood) and tree stumps.	
	Suitable protective clothing should be worn in confined or overhead areas to prevent exposure to eyes and skin. The use of eye protection, protective head covering, chemical resistant gloves, and footwear, a long-sleeved shirt and long pants or coveralls are recommended. Do not permit contact with treated surfaces until spray has dried. Treated confined areas, such as detached garages, under porches and decks, should be ventilated during and immediately following application before the areas are re-occupied.	
Carpenter Ants (and other wood-breeding ants)	Spray around doors and windows and other places where ants may enter or crawl and hide. Also treat cracks and crevices or openings into wall voids or other areas where these ants may be present.	Mix 2.5 fl. oz. (5 tbsp) with 1 gallon of water to treat 100 sq. ft.
Carpenter Bees	Spray or inject into holes and tunnels already made by the bees with a tank sprayer and spray areas where they are beginning to build tunnels into the wood.	Mix 2.5 fl. oz. (5 tbsp) with 1 gallon of water to treat 100 sq. ft.
Termites (for localized control only) (including dry-wood termites)	Treat as for other wood-infesting insects. This product will kill workers and winged reproductive forms of termites in the treated areas. Retreat as needed to maintain effectiveness. For localized control only. For active infestations get a professional inspection.	Mix 2.5 fl. oz. (5 tbsp) with 1 gallon of water to treat 100 sq. ft.