

63823-54

05-10-2007

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
1200 Pennsylvania Avenue NW
Washington, D.C. 20460

EPA Reg. Number:
63823-54

Date of Issuance:
05/10/07

Term of Issuance:
Conditional

Name of Pesticide Product:
TC 253

NOTICE OF PESTICIDE:
 Registration
 Reregistration
(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Management Contract Services, Inc.
% Landis Intl, Inc.
P.O. Box 5126
Valdosta, GA 31603

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) provided that you:

1. Submit and/or cite all data required for registration 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. Make the following labeling changes before you release the product for shipment:
 - a. Revise the EPA Registration Number to read: "EPA Registration No. 63823-54"

Signature of Approving Official:

George LaRocca

George LaRocca
Product Manager (RM 13)
Insecticide Branch
Registration Division (MC 7505P)

Date:

May 10, 2007

- b. Based on the outcome of our product performance review (see enclosed), remove all claims for the following pests, along with other associated labeling:

Bed Bugs	Black Widow Spiders	Brown Recluse Spiders
Carpenter Ants	Carpenter Bees	Centipedes
Chiggers	Cluster Flies	Cockroaches
Fleas	Flies	Fire Ants
Harvester Ants	Hornets	House Flies
Pharaoh Ants	Mosquitoes	Scorpions
Spiders	Stable Flies	Termites
Ticks	Wasps	Wood Destroying Insects
Wood-infesting Borers and Beetles		Yellowjackets

You may submit and/or cite data demonstrating the efficacy (including the residual claims) of this product at the label application rate against the above listed pests.

The claims against the other pests listed, which are not of public health or economic concern may be retained on the label. These include “ants (except Carpenter, Fire, Harvester, or Pharaoh ants)” and “Spiders (except Black Widow or Brown Recluse spiders)”. Claims that this product kills bees (Honeybees only), a pest of public health concern may be retained on the label.

- c. Under Environmental Hazards, add “*cleaning equipment or*” to the second statement to read “*Do not contaminate water when cleaning equipment or disposing of equipment wash waters.*”
- d. The labeling for the container is acceptable unless this container is the unit customarily sold to the end user. In that case, full labeling is required on the container label.
- e. Add the referral statement “*Refer to back and side panels for additional precautionary statements*” to the front panel of the label.
- f. Add the following precautions to “Use Restrictions”:
 - “*Do not apply this product to edible growing crops or stored raw agricultural commodities*”.
 - “*Do not allow applications to contact water inhabited by fish, such as in aquariums and ornamental fish ponds that are located in and/or around structures being treated*”.
- g. Under lawn and ornamental plants, add the following restrictions/precautions:
 - “*Not for use on plants/sod being grown for sale or other commercial use or for commercial seed production or for research purposes*”.
 - “*Use of this product adjacent to water may affect aquatic organisms. To protect these organisms, do not apply this product within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries, and commercial fish farm ponds*”.

“Do not make outdoor broadcast applications to turf and ornamentals when wind speed is 15 mph or greater”.

“In the state of New York, do not apply within 100 feet of coastal marshes or streams that drain into coastal marshes”.

- 3. Submit to the Agency, data on one year storage stability testing (830.6317), conducted concurrently with the corrosion characteristics study (830-6320) at 0, 3, 6, 9 and 12 months of warehouse storage.
- 4. Submit two (2) copies of the final printed label bearing the above stated revisions prior to releasing this product for sale.

If you fail to comply with the above stated conditions, this registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

See enclosed copy of the stamped for your records. If you have any questions concerning this action, please contact Dr. B. A. Akinlosotu at (703) 605-0653.

Enclosure

4/11

TC 253

Controlled Release Lambda-Cyhalothrin

CONTROLS:

Ants, Aphids, Armyworms, Bagworms, Bed Bugs, Bees, Beetles, Billbugs (adults), Boxelder Bugs, Cadelles, Carpenter Ants, Carpenter Bees, Carpet Beetles, Caterpillars, Centipedes, Chiggers, Chinch Bugs, Chocolate Moths, Cigarette Beetles, Clover Mites, Cluster Flies, Cockroaches, Crickets, Cutworms, Darkling Beetles, Dermestids, Drugstore Beetles, Earwigs, Elm Leaf Beetles, Fire Ants, Firebrats, Fleas, Flies, Flour Beetles, Fruitworms, Fungus Gnats, Fungus Gnat Larvae, Grain Weevils, Grasshoppers, Hide Beetles, Hornets, House Flies, Indianmeal Moths, Japanese Beetles (adults), Lace Bugs, Larder Beetles, Leafminers, Leafrollers, Lesser Grain Borers, Lesser Mealworms, Loopers, Mealy Bugs, Mediterranean Flour Moths, Merchant Grain Beetles, Mealworms, Millipedes, Mosquitoes, Pillbugs, Plant Bugs, Psocids, Psylla, Rice Weevils, Saw-toothed Grain Beetles, Scale Insects, Scorpions, Silverfish, Sod Webworms, Sowbugs, Spiders, Springtails, Stable Flies, Tent Caterpillars, Termites, Thrips, Ticks, Yellowjackets, Warehouse Moths, Wasps, Wood Wasps, Wood-infesting Borers and Beetles.

FOR USE IN AND AROUND:

Apartments, Calf Hutches, Calving Pens and Parlors, Campgrounds, Empty Chicken Houses, Dairy Areas, Dog Kennels, Food Storage Areas, Grain Mills, Granaries, Hog Barns, Homes, Horse Barns, Hospitals, Hotels, Meat Packing Plants, Food Processing Plants, Milkrooms, Motels, Nursing Homes, Rabbit Hutches, Resorts, Restaurants and other Food Handling Establishments, Schools, Supermarkets, Transportation Equipment (Buses, Boats, Ships, Trains, Trucks, Planes†), Utilities, Warehouses, Commercial and Industrial Buildings.

† Do not use in aircraft cabins.

ACTIVE INGREDIENT:

Lambda-cyhalothrin¹

[1α (S*), 3 α(Z)]-(+/-)-cyano-(3-phenoxyphenyl) methyl-3-(2-chloro-3,3,-trifluoro-1-propenyl)-2,2-

dimethylcyclopropanecarboxylate 9.7%

OTHER INGREDIENTS: 90.3%

¹Synthetic pyrethroid, capsule suspension (microencapsulated) TOTAL: 100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

See complete label accompanying product for First Aid, Precautionary Statements, Directions for Use and Storage and Disposal.

EPA File Symbol 63823- _____ • EPA Est. No. _____

NET CONTENTS: _____

Manufactured By:

MANAGEMENT CONTRACT SERVICES, INC.

P. O. Box 5209

Valdosta, GA 31603-5209

**ACCEPTED
with COMMENTS
in EPA Letter Dated:
MAY 10 2007**

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

63823-5A

TC 253

Controlled Release Lambda-Cyhalothrin

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[†] Do not use in aircraft cabins.

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Lambda-cyhalothrin¹

[1α (S*), 3 α(Z)]-(+/-)-cyano-(3-phenoxyphenyl) methyl-3-(2-chloro-3,3,-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate 9.7%

OTHER INGREDIENTS: 90.3%

¹Synthetic pyrethroid, capsule suspension (microencapsulated) TOTAL: 100.0%

KEEP OUT OF REACH OF CHILDREN

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MANAGEMENT CONTRACT SERVICES, INC.
P. O. Box 5209
Valdosta, GA 31603-5209

**ACCEPTED
with COMMENTS
In EPA Letter Dated:**

MAY 10 2007
Under the Federal Insecticide,
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as amended, for the pesticide
registered under EPA Reg. No.
63823-54

FIRST AID

IF ON SKIN OR CLOTHING: 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.

IF IN EYES: Hold eyes 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.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also call 1-800-225-3320 for emergency medical treatment information.

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

CAUTION: Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. When making applications, take care to avoid household pets, particularly fish and reptiles.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to fish. Do not contaminate water when disposing of equipment washwaters. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas.

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

PHYSICAL OR CHEMICAL HAZARDS

Do not apply this product in or around 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.**

GENERAL INFORMATION

Apply this product only as specified on this label. This product is a flowable microencapsulated concentrate containing 0.5 lb. of lambda-cyhalothrin per gallon. This product may be used on any surface which will not be damaged or stained by water. Heavy applications may leave a visible deposit. On some surfaces this deposit can be removed with a damp cloth or sponge.

In situations where conventional application methods have not or are not likely to provide adequate coverage, foam generating equipment or similar machines can be used to provide a continuous coverage. Use drier foam inside wall voids to avoid any water damage or electrical short circuits. Refer to section entitled "Foam Application Use Directions".

USE RESTRICTIONS

- Do not apply this product through any type of irrigation system.
- Do not apply water-based sprays of this product to conduits, motor housing, junction and switch boxes or other electrical equipment because of possible shock hazard. Do not spray where electrical short circuits might result, such as wall outlets, conduits, etc.
- Do not apply in aircraft cabins.
- Do not apply to humans, their clothing or bedding.
- Do not allow children or pets to contact treated surfaces until spray has dried.
- Do not use on household pets. Cover fish tanks prior to application.
- Do not apply this product in patient rooms while occupied or in any rooms while occupied by the elderly or infirm.
- Do not apply to classrooms when in use.
- Avoid contamination of food, feedstuffs or water supply. Do not contaminate food preparation surfaces, kitchen utensils, dishes or feed storage containers. Any food/feed contact surfaces and cooking utensils in the treatment area should be covered during treatment or thoroughly cleaned before using.

MIXING INSTRUCTIONS

Thoroughly clean spray equipment before using this product. Shake concentrate well before diluting. When diluting, first add approximately one-half of the water to the spray tank and then add the proper amount of this product. When emptying the bottles, triple rinse with water, shake well and add the rinsate to the spray tank. Add the rest of the water and agitate the sprayer thoroughly. Agitate sprayer occasionally during use to ensure even mixture. Shake or reagituate sprayer if spraying is interrupted or if dilution is left in sprayer overnight. If spray screens are used, they should be 50 mesh or larger.

SPRAY DILUTION CHART

Application Rate of TC 253	Amount of Water	% of λ -cyhalothrin in Finished Spray	Area of Coverage (ft. ²)
0.2 fl. oz.	1 gal.	0.015%	800 - 1200 ft. ²
0.4 fl. oz.	1 gal.	0.030%	800 - 1200 ft. ²
0.8 fl. oz.	1 gal.	0.060%	800 - 1200 ft. ²

Use the higher rate for clean-outs, for longer residual control or for high insect infestations.

MIXING CHART FOR MULTIPLE GALLONS

Gallons	% of λ -cyhalothrin in Finished Spray		
	0.015%	0.030%	0.060%
1	0.2 fl. oz.	0.4 fl. oz.	0.8 fl. oz.
2	0.4 fl. oz.	0.8 fl. oz.	1.6 fl. oz.
5	1.0 fl. oz.	2.0 fl. oz.	4.0 fl. oz.

VOID / CRACK & CREVICE® APPLICATION

To treat insects harbored in voids and in cracks and crevices, apply with equipment designed for void applications. Follow the manufacturer's recommendations for proper equipment set up and operating pressures. Place the tip of the applicator at or into the crack or crevice to be treated. Apply product in short bursts while keeping tip in position. Allow the air stream to push insecticide deep into voids. Application should be made in such a manner to limit dripping and run-off on structural surfaces and plants.

FOAM APPLICATION USE DIRECTIONS: This product can be converted to foam and the foam used to treat structural voids to control insect and arthropod pests in walls, under slabs or in other void areas. Apply as a dry foam (approximately 25:1). Fill void with foam so that all surfaces are contacted. Mix end-use dilution of this product with manufacturer's recommended volume of foaming agent. Use the recommended rate suspension converted to foam to achieve the desired foam expansion ratios. Verify before treatment that the foaming agent is compatible with this product.

FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS

Food handling establishments are defined as places other than private residences in which exposed food is held, processed, prepared or served. Food areas are areas for receiving, storing, packing (canning, bottling, wrapping, boxing), preparing, edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups) of food. Serving areas where food is exposed and the facility is in operation are also considered food areas.

Product applications in food areas of food handling establishments are limited to Crack & Crevice or spot treatment. Apply in small amounts directly into cracks and crevices, using equipment capable of delivering a pin stream of insecticide, in points between different elements of construction, between equipment and floor, openings leading to voids and hollow spaces in walls, equipment and bases. Clean food contact surfaces and equipment with an effective cleaning compound and rinse with potable water before using.

Limit individual spot treatments to an area no larger than 20% of the treated surface. Individual spot treatments should not exceed 2 ft.² Take extreme care that the product is not introduced into the air. Avoid contamination of food and food processing surfaces.

Application within Food Serving Areas (facilities where foods are served, such as dining rooms): Do not apply when facility is in operation or foods are exposed. Apply as a Crack & Crevice or spot treatment to selective surfaces such as baseboards, under elements of construction and into cracks and crevices. Avoid treating surfaces likely to be contacted by food. Cover or remove food in the area being treated. Do not apply directly to food or allow applications to contaminate food.

APPLICATION OF THIS PRODUCT IN THE FOOD AREAS AND/OR FOOD SERVICE AREAS OF FOOD HANDLING ESTABLISHMENTS OTHER THAN AS A CRACK & CREVICE OR SPOT TREATMENT IS NOT ALLOWED.

INDOOR TREATMENTS

Apply as a Crack & Crevice residual product where insects may be hiding, living and breeding and/or for selected spot application. Retreat at 21 day intervals or as necessary to maintain control.

When using in food/feed areas of food/feed handling establishments, restaurants or other areas where food/feed is commercially prepared or processed, refer to the section entitled "Food/Feed Areas of Food Handling Establishments" for use directions. Non-food/feed areas are areas such as garbage rooms, restrooms, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling).

CENTIPEDES, COCKROACHES, CRICKETS, DERMESTIDS, EARWIGS, FIREBRATS, MILLIPEDES, PSOCIDS, SILVERFISH, SOWBUGS AND SPIDERS: Make spot treatment and/or Crack & Crevice injections into hiding places such as cracks and crevices, void areas, moist areas, openings around pipes and sinks and under refrigerators.

FLIES: Make spot applications of this product on surfaces where flies rest in the dark at night or frequent during the day, such as window frames, screens, trash cans, ceilings and upper wall surfaces.

CARPET BEETLES (DERMESTIDS): Treat along edges of carpet, under carpet edge, furniture, throw rugs and as a Crack & Crevice application in closets and other shelving where infested items are stored. Do not treat clothing with this product.

BED BUGS: Allow treated articles to dry thoroughly before use. Take bed apart. Treat joints and channels if hollow, such as square or round tubing, and see that the interior framework is treated. Treat mattresses, especially tufts, folds and edges. Cover mattresses with outer sheets before use. Also treat other areas where bed bugs may be harboring such as box springs, furniture and wall voids, and behind headboards, wall hangings, baseboards and crown moldings.

TICKS: Apply as a spot and/or Crack & Crevice treatment in infested and egg laying areas such as pet resting quarters, nearby cracks and crevices, behind baseboards, door and window frames. Replace pet's old bedding with clean fresh bedding after treatment. Do not treat pets with this product.

ANTS: Inject cracks, crevices and voids where ants may be traveling and/or harboring, including but not limited to, around doors, window frames, and other structural cracks, crevices and voids. Spot treatment of trails and feeding areas may also be made.

STORED PRODUCT PESTS (EXPOSED ADULT AND IMMATURE STAGES): Before storing products, treat warehouses, production facilities, storage areas, rail cars, truck beds and other areas where products are stored with this product. Apply as a spot and/or Crack & Crevice treatment to cracks, crevices and surfaces where pests have been seen or may have harborage. Apply as a spot and/or Crack & Crevice treatment in pantries and other areas where food may be stored in a home or other structures. This product may be used to treat grain storage facilities and other listed areas for stored product pest control. Cleaning areas prior to use of this product will increase levels of control. Any foodstuffs infested with pests should be removed and destroyed.

INDOOR AND OUTDOOR TREATMENTS

HIBERNATING STAGES OF BOXELDER BUGS, ELM LEAF BEETLES, CENTIPEDES, CLUSTER FLIES, CLOVER MITES, COCKROACHES, CRICKETS, DERMESTIDS, EARWIGS, FIREBRATS, MILLIPEDES, PSOCIDS, SILVERFISH, SOWBUGS AND SPIDERS: Inject cracks, crevices and/or voids where these insects may be harboring or hibernating. Infested areas include, but are not limited to, cracks and crevices in weep holes, wall voids, around window and door frames, and under siding. Treat wall area around entry points on exterior where insects congregate.

CARPENTER ANTS: Make spot and/or Crack & Crevice applications to any trails, inside or outside around doors and windows, and other places where ants enter premises. Areas which may be treated include, but are not limited to, atriiums, crawl spaces, ceilings, garages, soffits, wall voids, weep holes, and other void areas. Where possible, treat ant nest or infested wood directly.

BEEES, WASPS AND YELLOWJACKETS: As a preventative or remedial treatment to help prevent these insects from building nests or workers from congregating on structures, follow perimeter treatment directions under outdoor section of label. Pay particular attention to soffit and eave areas.

For treatment of a yellow jacket or wasp nest, liberally treat the nest, inside the nest for yellow jackets and the surrounding area. For treatment of nests inside wall voids, inject a sufficient quantity of product into the nest to treat the entire nest. More than one point of application maybe required. Most applications would not require more than ½ gallon of diluted material. Pay particular attention to what the water may contact such as electrical wiring. Do not use where there is a possibility of shock hazard.

THIS PRODUCT DOES NOT PROVIDE INSTANT KNOCKDOWN. The best time to treat is late in the day. The colony should be dead in 2-3 days. Depending on the situation, protective equipment for the applicator may be required (is advisable).

WOOD DESTROYING INSECTS

LOCALIZED TREATMENT OF WOOD-INFESTING INSECTS - Beetles and Borers (such as the following families): Anobiidae, Bostrichidae, Buprestidae, Cerambycidae, Lyctidae, Oedemeridae, Sesiidae and Termites: Locate suspected infestation and/or insect tunnels and cavities. Drill pilot holes into insect tunnels, gallery and inaccessible closed voids. Drill holes 8 - 10" apart to ensure thorough coverage. Inject 5 - 10 seconds per hole. Do not contact electrical wiring, plumbing, etc.

TERMITES: To inhibit termite infestations, treat exposed tubing, cracks or cold joints in concrete or other structural interstices. Treat exposed surfaces to cover thoroughly but avoid excess run-off. This type of application is intended to be a supplemental treatment for control of drywood and above ground subterranean termites and other wood-infesting insects. It is not intended to be a substitute for soil treatment or for extensive infestation of drywood or other wood-infesting insects. To treat for severe infestations or for treatments under slabs, in basements and buildings with insufficient crawlspace, use a registered termiticide.

OUTDOOR TREATMENTS

CONTROLS: Ants, Boxelder Bugs, Carpenter Ants, Carpenter Bees, Carpet Beetles, Centipedes, Clover Mites, Cluster Flies, Cockroaches, Crickets, Dermestids, Earwigs, Elm Leaf Beetles, Fleas, Flies, Grasshoppers, Millipedes, Mosquitoes, Psocids, Scorpions, Silverfish, Sowbugs, Spiders and Ticks.

This product can be used as a residual treatment on outdoor surfaces and/or as a crack, crevice and void treatment of buildings, porches, window frames, eaves, patios, garages, garbage dumps and other areas where pests congregate or enter premises. Repeat treatment as necessary to maintain effectiveness, but not more than twice per week. Treatments must be at least 3 days apart.

This product can be used as a residual treatment to control pests in outdoor void areas such as meter boxes and manholes. Repeat treatment as necessary, but not more than twice per week. Treatments must be at least 3 days apart.

PERIMETER TREATMENT: To help prevent infestations of buildings, treat a band of soil 6 - 10 ft. wide around and adjacent to the building. Also treat the building foundation to a height of 2 - 3 ft. where pests are active and may find entrance. Treat other insect entry points such as doors, windows, under siding and eaves of structure. This product may be applied in compressed air, backpack or power

spray equipment. Apply at 0.2 – 0.8 oz. of concentrate per 1,000 ft.² in a sufficient amount of water to adequately cover the area being treated. Apply in such a manner to limit dripping and run-off on structural surfaces.

SUGGESTED MIXING CHART FOR LARGER TANK SIZES

Tank Size (Gallons)	Suggested Amount of TC 253 per Tank (fl. oz.)
15	0.8 – 3.2
25	1.0 – 4.0
50	2.0 – 8.0
100	4.0 – 16.0

FLIES: Treat outside surfaces of screens, doors, window frames or wherever flies enter. Also treat surfaces on porches, in garages and other places where insects light or congregate. Repeat as necessary. Treat normal fly resting areas such as ceilings, upper corners of the area, around windows and doors and other surfaces. Treat inside and outside surfaces of dumpsters and other trash holding containers. Treat trash storage areas. Treat so as to lightly moisten the target surface. For best results, begin treatments at the start of the fly season and repeat during periods of heavy fly activity. Treat no more than twice per week and at least 3 days apart.

MOSQUITO CONTROL OUTDOORS: To control adult mosquitoes, use handheld, back-pack or truck mounted sprayers only. Not for use with truck mounted cold aerosol ULV sprayers, hand-held cold aerosol ULV sprayers or thermal fogging devices. Do not apply by aircraft. Do not apply through any kind of irrigation and/or lawn sprinkler systems. Use up to 150 gallons of diluted spray per acre. Treat shrubbery, vegetation and other areas where mosquitoes may rest. Shrubby and vegetation around stagnant pools, marshy areas, ponds and shorelines may be treated if applied as a wet spray. Direct application of this product to any body of water is prohibited.

CARPENTER BEES: Locate entrance holes. Treat galleries through entrance holes. Seal bee entrances after application.

SCORPIONS: Remove accumulations of lumber, firewood and other materials which serve as harborage sites. Before stacking firewood or lumber, apply this product as a residual spray to surfaces immediately below such materials. Band treatment may also be helpful in reducing pests immigrating from surrounding areas.

CRAWLING INSECTS - including but not limited to Ants, Cockroaches, Crickets, Earwigs, Sowbugs, and Spiders: For treatment of infestations of these insects on structures and in outdoor areas which are landscaped, planted, mulched or unmaintained. For ants, treat mounds and runways. Repeat applications as infestation warrants and as reinfestations occur. Apply this product to cracks and crevices where insects may enter premises, to surrounding areas and to areas where insects may congregate. Areas to be treated include, but are not limited to, weep holes, under siding, wall voids, soffits, around attic vents, cracks and crevices, openings around windows, doors and pipes. Treatment of infested fences and tree holes is permitted.

FLEAS: Treat infested areas.

LAWN AND ORNAMENTAL PLANTS

FOR USE INDOORS AND AT RESIDENTIAL OUTDOOR SITES ONLY: Hobby Greenhouses, Interiorscapes, Landscapes, Lawns and Residential Lawns.

Not for use in commercial greenhouses and nurseries.

KILLS: Ants, Aphids, Armyworms, Bagworms, Bees, Beetles, Billbugs (adults), Boxelder Bugs, Caterpillars, Centipedes, Chiggers, Chinch Bugs, Clover Mites, Crickets, Cutworms, Earwigs, Firebrats, Flies, Fruitworm, Fungus Gnats, Fungus Gnat Larvae, Grasshoppers, Japanese Beetle (adults), Lace Bugs, Leafminers, Leafrollers, Loopers, Mealy Bugs, Millipedes, Mosquitoes, Pillbugs, Plant Bugs, Psylla, Scale Insects, Scorpions, Sod Webworms, Sowbugs, Spiders, Tent Caterpillars, Thrips, Ticks, Wasps and Yellowjackets.

For trees, shrubs, foliage plants and flowers in outdoor landscaped areas (such as parks, recreational areas, athletic fields, institutional groups, etc.) and internal landscaped areas (such as in hotels, shopping malls, office buildings, etc.) where these plants are grown. This product also controls designated pests in home lawns and can also be used in areas adjacent to or at the edge of landscaped areas to control encroaching pests such as ticks. Apply specified rate, at lawn use dosage, to tall grass or weeds, under brush and trees or in areas of no maintenance. Follow all restrictions and precautions in other parts of this label.

ORNAMENTALS: Treat upper and lower foliage surfaces of plants uniformly. Use 1.5 – 5.0 fl. oz. of this product per 100 gallons of water.

LAWNS (RESIDENTIAL SITES ONLY): Use a coarse, low-pressure spray using suitable application equipment.

SPECIAL NOTICE: This product has demonstrated excellent plant safety; however, all varieties of the plants listed have not been tested. When treating large numbers of plants of a single variety, treat a few plants and observe for phytotoxicity prior to full scale application.

Direct treatment to some open blooms may cause petal drop.

FOR USE INDOORS AND OUTDOORS ON:

Bedding Plants (including): Impatiens, Marigolds, Petunias, Geraniums, Garden Mums, Verbena, New Guinea Impatiens and Dahlia

Cut Flowers (including): Roses, Chrysanthemums, Carnations, Snapdragons and Orchids

Flowering Hanging Baskets (including): Fuchsia and Lantana

Foliage (including): Boston Fern, Dracaena, Ficus, Schefflera and Philodendron

Potted Flowering Plants (including): Poinsettia, Chrysanthemums, Florist's Azaleas, Lilies, African Violets, Geraniums, Hibiscus, Kalanchoes, Begonias, Gloxinia, Cyclamen, Cineraria, Calceolaria and Exacum

Trees & Shrubs (including): Azalea, Barberry, Cotoneaster, Euonymus, Holly, Ivy, Juniper, Oak, Pine, Rhododendron, Roses, Spiraea, Spruce, Virburnum and Yew

Do not treat vegetable gardens.

USE IN AND AROUND LIVESTOCK HOUSING

MAY BE USED IN AND ON OUTSIDE SURFACES OF OTHER BUILDINGS. Do not apply to lactating or food animals. Do not contaminate milk, food or drinking water. Remove all animals prior to applying to housing. Do not apply or allow insecticide to drift onto animals. Do not allow animals to enter treated areas until surfaces are dry.

HOUSE FLIES AND STABLE FLIES: For residual control of these pests on outdoor surfaces and in animal areas such as dog kennels, hog barns, horse barns, empty chicken houses, rabbit hutches, dairy areas, milkrooms, calf hutches, calving pens and parlors. Treat normal fly resting areas such as ceilings, screens, upper corners of the area, around windows and doors, light fixtures and other surfaces known to attract flies. Apply as a coarse, wet spray. Apply at 0.015% – 0.060% finished spray using approximately 1 gallon per 1,000 ft.² For best results, initiate treatments at the beginning of the fly season and repeat during periods of heavy fly activity. Treat no more than twice per week and at least 3 days apart.

LITTER BEETLES (DARKLING, HIDE AND CARRION BEETLES): To control adult litter beetles, apply product to walls and floors at cleanout, before reintroduction of animals. This will suppress beetles that escaped earlier treatment and will help delay onset of future infestations. Pay attention to areas where beetles frequently occur, such as walls, supports, cages, stalls, and around feeders. Apply at 0.03% – 0.06% finished spray. Also see **Livestock / Poultry Housing Structures and Pet Kennels** below.

PERIMETER TREATMENT: For control of other pests and to help prevent infestations of buildings, treat a band of soil 6 – 10 ft. wide around and adjacent to the building. Also treat the building foundation and sides where pests are active and may find entrance. Treat other insect entry points such as doors, windows, under siding and eaves of structure. This product may be applied in compressed air, backpack or power spray equipment. Apply at 0.015% – 0.060% finished spray, using an amount of water sufficient to adequately cover the area being treated, yet limit dripping and run-off on structural surfaces and plants.

LIVESTOCK / POULTRY HOUSING STRUCTURES AND PET KENNELS: Apply as a general surface (including directed sprays) and/or Crack & Crevice treatment. Control is enhanced when interior and exterior perimeter applications are made in and around the livestock, poultry and pet housing structures. Normal cleaning practices of the structure also must be followed along with applications of TC 253 to effectively control the listed crawling and flying insect pests.

For unoccupied areas of livestock barns or housing structures, apply to floors, vertical and overhead surfaces where crawling or flying insect pests are or may be present. Cover feeders, waterers and feed carts before application to prevent contamination. Do not apply to milk rooms or feed rooms. Pay attention to animal areas including stanchions, pipes, windows, doors and areas where insect pests hide or congregate. Exterior applications to south facing walls and foundation perimeters can help prevent interior infestations of flying and crawling insect pests.

For poultry houses, apply to floor area (birds grown on litter) or to walls, posts and cage framing (birds grown in cages). Also apply into cracks and crevices around insulation. Reapply after each growout or sanitization procedure. Indoor control can be enhanced by making perimeter treatments around the outside of building foundations to prevent immigrating adult beetles. Apply in a uniform band 1 – 3 ft. up and 2 – 6 ft. out from foundation. Maintaining a year-round treatment program will prevent background populations from reaching problem levels.

Do not make interior applications of TC 253 in areas of facility where animals other than cattle or calves are present. Allow treated surfaces to completely dry before restocking the facility.

Do not make applications to any animal feedstuffs, water or watering equipment.

Do not contaminate any animal food, feed or water in and around livestock, poultry or pet housing when making applications.

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STORAGE AND DISPOSAL

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

STORAGE: Store in original container in secured dry storage area. Prevent cross-contamination with other pesticides or fertilizers. Do not store above 122°F for extended periods of time. Preferred storage is above 32°F. Storage below 32°F may result in solidification. If warmed to above 32°F, product will return to original form. Freezing does not adversely affect this product. If container is damaged or spill occurs, use product immediately or dispose of product and damaged container as indicated below.

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

CONTAINER DISPOSAL (< 2.5 gal.): Empty container by using the product in accordance with the label directions. Do not reuse container! Place empty container in trash or offer for recycling if available. If container is partly filled, call your local solid waste agency or call 1-800-CLEANUP for disposal instructions. **NEVER PLACE UNUSED PRODUCT DOWN ANY INDOOR OR OUTDOOR DRAIN!**

CONTAINER DISPOSAL (>2.5 gal.): Empty container by using the product in accordance with the label directions. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.