



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

May 1, 2019

Meshea J. Brodie
Product Registration Manager
Regulatory Affairs
BASF Corporation
26 Davis Drive, PO Box 13528
Research Triangle Park, NC 27709-3528

Subject: Notification per PRN 98-10 – Addition of single-use package size and other
minor changes
Product Name: TC-315
EPA Registration Number: 499-561
Application Date: 03/12/2019
Decision Number: 550213

Dear Ms. Brodie:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

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If you have any questions, you may contact please contact Paul Di Salvo at 703-347-0322 or by email at disalvo.paul@epa.gov.

Sincerely,

A handwritten signature in black ink that reads "Paul Di Salvo" followed by a small flourish.

Gene Benbow, Product Manager 07
Invertebrate and Vertebrate Branch 3
Registration Division (7505P)
Office of Pesticide Programs

{Note to PM: Italicized text enclosed in “{ }” is information for the reviewer and not part of the label.
[Bracketed information is optional text.] Text within brackets and separated by “/” denotes and/or options.}

NOTIFICATION

499-561

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

05/01/2019

TC-315

Alternate Brand Names:

Prescription Treatment® brand Alpine® WSG {accepted on original SAL 6/27/2012}

Alpine® WSG (with descriptor: Water Soluble Granule Insecticide) {added via Notification 7/5/12; accepted 10/24/2012}

{Single-use Packets: 0.35 ounce (10 grams)} [Not registered for use in California.]

[SMART SOLUTIONS FACTS]

[Key attributes of this product include:]

- [• Food-handling and commercial environments]
- [• Non-repellent active ingredient]
- [• May be used in conjunction with non-repellent insecticides such as those containing dinotefuran (e.g., **Alpine® Cockroach Gel Bait Rotation 1 Reservoir** and **Alpine® Cockroach Gel Bait Rotation 2 Reservoir**) or similar products. Always follow label use directions and applicable laws.]
- [• Ant control product]
- [• Rotational partner for bed bug control]
- [• For use on Stored Product Pests]
- [• For questions or comments, call 1-800-777-8570]

KILLS: Ants (including Argentine, Carpenter, Harvester, Odorous House, Red Imported, and Southern Fire; excluding Pharaoh), Asian Lady Beetles, Bean Plataspid (Kudzu Bug), Bed Bugs, Beetles (including Confused Flour Beetle, Granary Weevil, Lesser Grain Borer, and Warehouse Beetle), Brown Marmorated Stink Bugs, Centipedes, Cockroaches (including American, German and Turkestan), Collembola, Crickets, Earwigs, Fleas, House Flies, Millipedes, Mosquitoes (*Anopheles*), Paper Wasps, Pillbugs, Sowbugs, Spiders (excluding Brown Recluse), Stored Product Pests (Confused Flour Beetle, Granary Weevil, Lesser Grain Borer, and Warehouse Beetle) and Yellowjackets

FOR USE IN AND AROUND: [Animal Housing (including Calf Hutches, Calving Pens and Parlors, Chicken Houses, Dairy Areas, Dog Kennels, Hog Barns, Horse Barns, Milk Rooms and Rabbit Hutches)]; Apartments; Campgrounds; Cemeteries; Clinics; Food Handling Establishments; Garbage or Refuse Bins and Receptacles; Grain Mills; Granaries; Green Belts; Homes; Hospitals; Hotels; Mausoleums; Mobile Homes; Motels; Food Processing Plants; Nursing Homes; Resorts; Schools; Storage Buildings; Trailers; Transportation Equipment (including Autos, Buses, Boats, Ships, Trains, Trucks, Planes - cargo areas only); Utilities; Warehouses; Commercial, Industrial, and Residential Buildings; Theme Parks; Parks and Recreational Areas and Zoos

Active Ingredient:

Dinotefuran: N-methyl-N-[(tetrahydro-3-furanyl)methyl]guanidine 40.0%

Other Ingredients: 60.0%

Total: 100.0%

EPA Reg. No. 499-561

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

See back/inside/attached [booklet/label] for **First Aid, Precautionary Statements, Directions For Use, Conditions of Sale and Warranty**, and state-specific pest and/or use site restrictions.

In case of an emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).

Net Weight:

[Produced For:]

BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709



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FIRST AID	
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes; then continue rinsing. • Call a poison control center or doctor for treatment advice.
HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).	

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Wear long-sleeved shirt and long pants, socks and shoes, and chemical-resistant gloves (made out of any waterproof material, such as Natural Rubber, selection Category A).

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

This pesticide is toxic to aquatic invertebrates. **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 water adjacent to treated areas. **DO NOT** dispose equipment washwaters or rinsate into a natural drain or water body.

This product is toxic to honey bees. The persistence of residues and potential residual toxicity of dinotefuran in nectar and pollen suggests the possibility of chronic toxic risk to honey bee larvae and the eventual instability of the hive.

- This product is toxic to bees exposed to residues for more than 38 hours following treatment.
- **DO NOT** apply this product to blooming, pollen-shedding or nectar-producing parts of plants if bees may forage on the plants during this time period, unless the application is made in response to a public health emergency declared by appropriate state or federal authorities.

[See attached booklet for full **Environmental Hazards** and **Groundwater Advisory**].


Groundwater Advisory

Dinotefuran and its degradate, MNG, have the properties and characteristics associated with chemicals detected in groundwater. The high water solubility of dinotefuran and its degradate, MNG, coupled with its very high mobility and resistance to biodegradation indicates that this compound has a strong potential to leach to the subsurface under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

PROTECTION OF POLLINATORS



APPLICATION RESTRICTIONS EXIST FOR THIS PRODUCT BECAUSE OF RISK TO BEES AND OTHER INSECT POLLINATORS. FOLLOW APPLICATION RESTRICTIONS FOUND IN THE DIRECTIONS FOR USE TO PROTECT POLLINATORS.

Look for the bee hazard icon  in the **Directions For Use** for each application site for specific use restrictions and instructions to protect bees and other insect pollinators.

This product can kill bees and other insect pollinators.

Bees and other insect pollinators will forage on plants when they flower, shed pollen, or produce nectar.

Bees and other insect pollinators can be exposed to this pesticide from:

- Direct contact during foliar applications, or contact with residues on plant surfaces after foliar applications.
- Ingestion of residues in nectar and pollen when the pesticide is applied as a seed treatment, soil, tree injection, as well as foliar applications.

When using this product take steps to:

- Minimize exposure of this product to bees and other insect pollinators when they are foraging on pollinator attractive plants around the application site.
- Minimize drift of this product onto beehives or to off-site pollinator attractive habitat. Drift of this product onto beehives or off-site pollinator attractive habitat can result in bee kills.

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PROTECTION OF POLLINATORS *(continued)*

Information on protecting bees and other insect pollinators may be found at the Pesticide Environmental Stewardship website at: <http://pesticidestewardship.org/PollinatorProtection/Pages/default.aspx>.

Pesticide incidents (for example, bee kills) should immediately be reported to the state/tribal lead agency. For contact information for your state, go to: www.aapco.org/officials.html. Pesticide incidents should also be reported to the National Pesticide Information Center at: www.npic.orst.edu or directly to EPA at: beekill@epa.gov

Physical and Chemical Hazards

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.

Directions For Use

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



DO NOT apply this product while bees are foraging. **DO NOT** apply this product to plants that are flowering. Only apply after all flower petals have fallen off.

Use Restrictions

- **DO NOT** apply within aircraft cabins.
- **DO NOT** use in outdoor residential misting systems.
- **DO NOT** apply to humans or their clothing or to mattresses. **DO NOT** allow children or pets to contact treated surfaces until spray has dried.
- **DO NOT** apply to household pets. Cover fish tanks prior to application near tanks.
- **DO NOT** apply this product in patient rooms while occupied.
- **DO NOT** apply to classrooms when in use.
- When applying in residential or commercial structures, **DO NOT** contaminate food, feed stuffs or water supply. **DO NOT** contaminate food preparation surfaces, kitchen utensils, dishes or food/feed storage containers. Cover any food/feed contact surfaces and cooking utensils in the treatment area before treatment or thoroughly clean after treatment and before using.
- Apply to the point just prior to runoff. **DO NOT** allow applications of product to drip or run from surfaces.

- When applying to structural areas in and around live-stock housing, remove animals or treat in areas where animals are not present. **DO NOT** apply to animals. **DO NOT** allow insecticide to drift onto animals. **DO NOT** contaminate milk, food or drinking water.

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal.

Pesticide Storage

Store in a cool, dry area away from heat or open flame.

Pesticide Disposal

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. If these wastes cannot be disposed of according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representatives at the nearest EPA Regional Office for guidance.

Container Handling {Either the single-use packet, 250 gram, or resealable plastic bottle disposal instructions will be used depending on the corresponding container packaging}

{Single-use Packets}

[Nonrefillable container. DO NOT reuse or refill this container. Offer empty packet for recycling, if available, or dispose of in the trash or by incineration.]

250 Gram Resealable Pouch

Nonrefillable container. DO NOT reuse or refill this container. If empty: Place in trash or offer for recycling, if available. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

[Resealable Plastic Bottle]

[Nonrefillable container. DO NOT reuse or refill this container. Triple rinse container promptly after emptying; then offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

Triple rinse container as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into 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.]

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In Case of Emergency

In case of large-scale spill of this product, call:

- CHEMTREC 1-800-424-9300
- BASF Corporation 1-800-832-HELP (4357)

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment
- Your local poison control center (hospital)
- BASF Corporation 1-800-832-HELP (4357)

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Product Information

This product is a water-soluble granule containing the non-repellent active ingredient dinotefuran. Apply indoors and/or outdoors via crack and crevice, spot or surface application for the listed pests and use sites.

Mixing Instructions {Either the single-use packet, 250 gram, or resealable plastic bottle disposal instructions will be used depending on the corresponding container packaging}

Thoroughly clean spray equipment before mixing and application of this product.

Single-use Packets: 0.35 ounce (10 grams) Packet/1.76 ounces (50 grams) Packet/8.82 ounces (250 grams) Packet (for use in a power spray rig or large spray tank)

Add approximately 1/2 of the water to the spray tank. Tear open the packet and add contents to water, then complete the filling of the spray tank. Agitate the tank until the product is completely dissolved. Reagitate finished dilution if application is interrupted for an extended period of time.

[Resealable Pouch: 8.82 ounces (250 grams)]/[Resealable Bottle (dispenses 10 grams at a time): 1.06 ounces (30 grams)/1.76 ounces (50 grams)/2.12 ounces (60 grams)/4.41 ounces (125 grams)/5.29 ounces (150 grams)/6.17 ounces (175 grams)/7.05 ounces (200 grams)/8.82 ounces (250 grams)/10.6 ounces (300 grams)]/[Resealable Plastic Bottle: 1 pound, 1.64 ounces (500 grams)/2 pounds, 3.27 ounces (1 kilogram)]

[Add approximately 1/2 of the water to the spray tank. Add 10 to 30 grams of product to water per 1,000 square foot area being treated (1 Tablespoon = 10 grams), then complete the filling of the spray tank. Agitate the tank until the product is completely dissolved. Reagitate finished dilution if application is interrupted for an extended period of time.]

SPRAY DILUTION CHART

Desired Finished Dilution Concentration	Grams of product to make 1 gallon of finished dilution to treat up to 1,000 square feet	Grams of product to make 5 gallons of finished dilution to treat up to 5,000 square feet	Grams of product to make 25 gallons of finished dilution to treat up to 25,000 square feet	Grams of product to make 50 gallons of finished dilution to treat up to 50,000 square feet
0.1%	10	50	250	500
0.2%	20	100	500	1,000
0.3%	30	150	750	1,500

Refer to specific pest categories below for the proper use rate. **One gallon of finished dilution treats 1,000 square feet.** Depending on the surface, more or less water may be used to properly treat areas with a different application apparatus, but the proper amount of active ingredient should be used per square footage.

Tank Mixing

This product may be tank mixed with other water based insecticides including, but not limited to, insect growth regulators (IGR), quick knockdown products and residuals. Before mixing, test to see if products are compatible. When tank mixing, follow the more restrictive label use directions of the mixed products.

Void/Crack & Crevice® Application

Apply into cracks, crevices and voids with equipment designed for such 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, crevice or void to be treated. Apply product in short bursts while keeping tip in position. Allow the air stream to push the finished dilution into voids and/or cracks and crevices. Apply in such a manner to avoid dripping and runoff.

Indoor Applications

Dilute to the proper concentration according to targeted pest infestation. Follow the mixing directions found in the **SPRAY DILUTION CHART**. Use one gallon of finished dilution per 1,000 square feet. Refer to **INDOOR APPLICATIONS** table for use rates and pests.

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INDOOR APPLICATIONS		
Pests	Finished Dilution (grams per gallon)*	Application Instructions
Ants (excluding Pharaoh)	10	Make spot, Crack & Crevice ® and/or void applications where ants may be foraging and/or nesting, such as, around doors, window frames, under sinks, around pipes and in pipe voids, attic venting and other areas where ants may find access or nest.
Bed Bugs	10 to 30	Make spot, Crack & Crevice and/or void applications where evidence of bed bug infestation occurs or bed bugs are suspected, or likely to occur, such as bed frames; box springs; inside empty dressers, clothes closets and luggage; carpets; draperies; furniture; headboards; high and low wall moldings and wallpaper edges. DO NOT apply to mattresses.
Crawling Insects/Pests including: Pillbugs, Spiders (excluding: Brown Recluse), and Turkestan Cockroaches	30	Make spot and/or Crack & Crevice applications into hiding places and entry points such as cracks and crevices, void areas, moist areas, openings around pipes and sinks, under refrigerators or vending machines, interiorscapes, across lower doorway frames and window openings.
Crickets, Cockroaches (American and German), and Millipedes	10 to 30	
Fleas	10	Apply to infested areas or potentially infested areas, such as rugs, floors, carpets, upholstered furniture, pet beds and pet resting areas. When applying to upholstered furniture, treat under cushions and areas where flea development can occur. DO NOT treat pets with this product.
House Flies	10 to 20	Make spot applications on surfaces where flies frequently roost such as door and window frames, screens, trash cans, plants, interiorscapes, ceilings and upper wall surfaces.
When a rate range is indicated, use the lower rate for maintenance applications and the higher rates for heavy infestations. *Refer to SPRAY DILUTION CHART for concentration of active ingredient in finished product.		

Food/Feed Handling Establishments

Food/Feed handling establishments are places other than private residences in which food is held, processed, prepared or served, including those operating under the Federal meat, poultry, shell egg grading and egg products inspection programs. **APPLICATIONS OF THIS PRODUCT IN FOOD/FEED AREAS OF FOOD/FEED HANDLING ESTABLISHMENTS MAY BE MADE AS A CRACK & CREVICE, VOID, SPOT OR GENERAL TREATMENT.** General surface application may be used only when the facility is not in operation provided exposed food/feed has been covered or removed from the area prior to application.

Food/Feed areas include areas for receiving, serving, storing (dry, cold, frozen, raw), packing (canning, bottling, wrapping, boxing), preparing (cleaning, slicing, cooking, grinding), edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups).

Non-food/feed areas include areas such as garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage areas (after packaging, canning or bottling).

Avoid contamination of food/feed or food/feed contact surfaces. Remove or cover food/feed, dishes, utensils, food processing equipment and food preparation surfaces in the treatment area or wash them before use. Apply as a **Crack & Crevice**, void, spot or general treatment to surfaces such as baseboards, under elements of construction, stainless steel equipment, shelving, machinery, storage areas, pallets, tables, chairs and other areas where listed pests may be harboring, traveling, breeding or entering the structure. Maximum use rate is 0.05 grams of active ingredient per linear foot. Reapplications may be made at 3 day intervals when applying as a **Crack & Crevice**, void or spot treatment, or at 6 day intervals when applying as a general surface treatment. This product can also be used as a preventative treatment for areas likely to have future infestations.

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Indoor and Outdoor Applications

Dilute to the proper concentration according to targeted pest infestation. Follow the mixing directions found in the **SPRAY DILUTION CHART**. Use one gallon of finished dilution per 1,000 square feet. Refer to **INDOOR/OUTDOOR APPLICATIONS** table for use rates and pests.

In the state of New York, **DO NOT** apply outdoors except for **Crack & Crevice**[®] or spot treatments to structural components, stumps, utility poles, and fences.

INDOOR/OUTDOOR APPLICATIONS		
Pests	Finished Dilution (grams per gallon)*	Application Instructions
Asian Lady Beetles and Centipedes	10 to 30	Make spot, Crack & Crevice and/or void applications where these pests may harbor or hibernate, such as cracks and crevices, in weep holes, wall voids, around window and door frames, attics and behind siding. Apply to exterior wall surfaces around entry points and resting areas where insects congregate.
Bean Plataspid (Kudzu Bug), Brown Marmorated Stink Bugs	30	
Carpenter Ants	10 to 20	Make spot, Crack & Crevice and/or void applications to any trails, inside or outside, around doors and windows and other places where ants may enter premises (such as atriums, attic venting, crawl spaces, ceilings, fences, exterior building surfaces, landscape timbers, garages, hollow doors, soffits, wall voids, weep holes and other void areas). Where possible, directly apply to ant nests or infested wood or trees.
Paper Wasps and Yellowjackets	30	To treat a yellowjacket or wasp nest, apply liberally to the nest and the surrounding area. For nests inside wall voids, inject an amount sufficient to treat the entire nest. Most applications should require about 0.5 gallon of diluted material. Pay attention to surfaces or items that the product may contact (i.e. electrical wiring). DO NOT use where there is an electrical shock hazard. THIS PRODUCT DOES NOT PROVIDE INSTANT KNOCKDOWN.
Stored Product Pests (Confused Flour Beetle, Granary Weevil, Lesser Grain Borer, and Warehouse Beetle)	10	Before storing products, treat warehouses, production facilities, storage areas, rail cars, truck beds, and other areas where products are stored. Apply as a spot and/or Crack & Crevice treatment to cracks, crevices, and surfaces where pests have been seen or may have harborage. This product may be used to treat empty 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.
When a rate range is indicated, use the lower rate for maintenance applications and the higher rates for heavy infestations. *Refer to SPRAY DILUTION CHART for concentration of active ingredient in finished product.		

PREVENTATIVE PROGRAMS: This product may be used as part of a preventative program or in anticipation of a pest problem associated with a structure or an event.

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Outdoor Applications

Dilute to the proper concentration according to targeted pest infestation. Follow the mixing directions found in the **SPRAY DILUTION CHART**. Use one gallon of finished dilution per 1,000 square feet. Refer to **OUTDOOR APPLICATIONS** table for use rates and pests.

{Note to Reviewer: One of the following statements will appear on the marketplace label.}

DO NOT apply this product, by any application method, to linden, basswood or other *Tilia* species {may also include alternate text for inclusion of additional crops as needed} in the State(s) of Oregon {may also include alternate text for inclusion of additional states as needed}. **DO NOT** apply this product, by any application method, to linden, basswood or other *Tilia* species {may also include alternate text for inclusion of additional crops as needed}.

In the state of New York, **DO NOT** apply outdoors except for **Crack & Crevice**[®] or spot treatments to structural components, stumps, utility poles, and fences.

OUTDOOR APPLICATIONS		
Pests	Finished Dilution (grams per gallon)*	Application Instructions
Ants (excluding Pharaoh)	10	Make spot and/or Crack & Crevice applications to any foraging trails, nests or mounds where ants are present. Make spot and/or Crack & Crevice applications to exterior areas where ants may enter a structure. Where possible, directly apply to ant nests or infested wood or trees. Curative broadcast applications can be made to yards, lawns, fields, parks, cemeteries, landscaping and structures. To help prevent infestations, make exterior structural and surrounding area applications according to this label.
Exterior Structural and Surrounding Area Applications for Collembola (Springtails), Crickets and Millipedes	10 to 30	Directly contacting pests, apply where pests rest, trail and harbor, such as structural and other voids (including voids associated with and around doors, windows, utility entry points, behind siding, weep holes and tree hollows), eaves of structures, around lights or other insect attractant areas, foliage, bushes, landscape materials, garbage receptacles, under trees and other shaded areas.
Exterior Structural and Surrounding Area Applications for Crawling Insects/Pests including: Earwigs, Pillbugs, Sowbugs, Spiders (excluding Brown Recluse), and Turkestan Cockroaches	30	
Fleas	10	Apply to yards, porches, patios or other areas of habitation for fleas, especially areas that pets frequent, directly contacting fleas. Pay particular attention to shaded areas with low protective covering such as under bushes, under decks, lawn furniture, lawn ornaments and other landscape materials. Apply to pet entry areas such as steps and stoops and other areas where pets rest or sit for extended periods of time, directly contacting fleas. DO NOT treat pets with this product.
House Flies	10 to 20	Apply to outside surfaces of screens, doors, window frames, porches, in garages, on foliage or wherever flies enter or congregate around or on the building, directly contacting flies. Application sites include inside and outside surfaces of dumpsters, other trash holding containers and surrounding surfaces, directly contacting flies.

(continued)

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OUTDOOR APPLICATIONS <i>(continued)</i>		
Pests	Finished Dilution (grams per gallon)*	Application Instructions
Mosquitoes (<i>Anopheles</i>)	20	Apply using handheld, back-pack or truck mounted sprayers only. Not for use with truck mounted or handheld cold aerosol ULV sprayers, or thermal fogging devices. Use up to 50 gallons of diluted spray per 50,000 square feet. Apply to 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. DO NOT apply by aircraft. Not approved for use on mosquitoes in the state of New York.
When a rate range is indicated, use the lower rate for maintenance applications and the higher rates for heavy infestations. *Refer to SPRAY DILUTION CHART for concentration of active ingredient in finished product.		

USE IN AND AROUND LIVESTOCK HOUSING

For structural use indoors and outdoors of animal housing. Remove animals or treat in areas where animals are not present. **DO NOT** apply to animals. **DO NOT** allow insecticide to drift onto animals. **DO NOT** contaminate milk, food or drinking water.

To kill house flies on outdoor surfaces and in animal housing including calf hutches, calving pens and parlors, chicken houses, dairy areas, dog kennels, hog barns, horse barns, milk rooms and rabbit hutches: 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. Using a mixture of 10 to 20 grams of product per gallon of water, apply at a rate of 1 gallon diluted product per 1,000 square feet of surface. For best results, initiate treatments at the beginning of the fly season and repeat during periods of heavy fly activity.

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[Bracketed information is optional text.] Text within brackets and separated by "/" denotes and/or options.}

Conditions of Sale and Warranty

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