AVALON™ Insecticide

To control pests indoors and outdoors on residential, institutional, public, commercial, and industrial buildings, greenhouses, animal confinement facilities/livestock premises, kennels, food handling establishments, and lawns, ornamentals, parks, recreational areas and athletic fields.

When used as a termicide, individuals/firms must be licensed by the state to apply termicide products. States may have more restrictive requirements regarding qualifications of persons using this product. Consult the pest control regulatory agency of your state prior to use of this product.

Provides up to 1 month residual control of house flies

Kills fleas for up to 3 months

EPA Reg. No. 279-3206-72112 EPA Est. 279-NY-1

Active Ingredient: By Wt.
Bifenthrin* ...................................................... 7.9%
Other Ingredients: ............................................. 92.1%
100.0%

AVALON Insecticide contains ⅔ pound active ingredient per gallon.
*Cis isomers 97% minimum, trans isomers 3% maximum.

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

If swallowed
- Call poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by the poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

If inhaled
- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
- Call a poison control center or doctor for further treatment advice.

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 eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.
- Call poison control center or doctor immediately for treatment advice.

- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by the poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

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 1-(800)-331-3148 for Emergency Assistance.

NOTE TO PHYSICIAN

This product is a pyrethroid. If large amounts have been ingested, the stomach and intestine should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and so should be avoided.

For information regarding the use of this product call 1-(800)-321-1362.

PRECAUTIONARY STATEMENTS

Hazards to Humans (and Domestic Animals)

CAUTION

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

All pesticide handlers (mixers, loaders and applicators) must wear long-sleeved shirt and long pants, socks, shoes and chemical-resistant gloves. After the product is diluted in accordance with label directions for use, and/or when mixing and loading using a closed spray tank transfer system (such as U-Turn®), or an in-line injector system, shirt, pants, socks, shoes and waterproof gloves are sufficient. In addition, all pesticide handlers must wear a respiratory protection device¹ when working in a non-ventilated space. All pesticide handlers must wear protective eyewear when working in non-ventilated space.

¹Use one of the following NIOSH approved respirator with any R, P or HE filter or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE prefilter.

Follow manufacturer’s instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations:

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

Produced For:
PROKOZ, Inc.
1720 Windward Concourse
Suite 150
Alpharetta, GA 30005

Net Contents: One Gallon

09-18-15
Environmental Hazards

This pesticide is extremely toxic to fish and aquatic invertebrates. Drift and run-off from treated areas may be hazardous to aquatic organisms in neighboring areas. Care should be used when spraying to avoid fish and reptile pets in/around ornamental ponds.

To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help to avoid run off to water bodies or drainage systems.

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 to drift to blooming crops if bees are visiting the treatment area.

Physical and Chemical Hazards

Do not apply water-based dilutions of AVALON Insecticide to electrical conduits, motor housings, junction boxes, switch boxes or other electrical equipment because of possible shock hazard.

DIRECTIONS FOR USE

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

Do not apply a broadcast application to interior surfaces of homes. Do not apply by air.

Do not apply in plant nurseries. Do not apply this product through any kind of irrigation system. Not for use on sod farm turf, golf course turf, or grass grown for seed. Do not water treated area to the point of run-off.

Do not make applications during rain.

Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.

Additional Application Restrictions for Residential Outdoor Surface and Space Sprays:

All outdoor applications, if permitted elsewhere on this label, must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses, if allowed elsewhere on this label:

1. Applications to soil or vegetation, as listed on this label, around structures;
2. Applications to lawns, turf, and other vegetation, as listed on this label;
3. Applications to the side of a building, up to a maximum height of 3 feet above grade;
4. Applications to undersides of eaves, soffits, doors, or windows permanently protected from rainfall by a covering, overhang, awning, or other structure;
5. Applications around potential pest entry points into buildings, when limited to a surface band not to exceed one inch in width;
6. Applications made through the use of a coarse, low pressure spray to only those portions of surfaces that are directly above bare soil, lawn, turf, mulch or other vegetation, as listed on this label, and not over an impervious surface, drainage or other condition that could result in runoff into storm drains, drainage ditches, gutters or surface waters, in order to control occasional invaders or aggregating pests.

AGRICULTURE USE REQUIREMENTS*

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as, plants, soil, or water is:

- Coveralls
- Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride or viton.
- Shoes plus socks

Do not apply this product in a way that will contact workers or other persons either directly or through drift. Only protected handlers may be in the area during application. For any requirement specific to your State or Tribe, consult the State/Tribal agency responsible for pesticide regulation.

For California

Greenhouse Applicators must wear:
- Full body chemical-resistant protective suit (such as barrier laminate, butyl rubber, nitrile rubber, polyvinyl chloride, or equivalent).

Reapplication Interval: Reapplications to greenhouses must be at intervals of 30 days or longer.

Greenhouse Harvesters must wear:
- Regular length gloves plus a long sleeved shirt or elbow-length (gauntlet type) gloves during the 30 days following application.

*These requirements apply only to the greenhouse uses on this label

NON-AGRICULTURAL USE REQUIREMENTS**

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standards for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries and greenhouses.

Do not allow people or pets on treated surfaces until the spray has dried.

**These requirements apply to all other non-greenhouse uses on this label
Use Directions for Container
1. Remove the measuring chamber cap and induction seal. Replace the cap and securely tighten. Tip container until liquid fills measuring chamber.
2. Return container to level position. No adjustment is needed.
3. Remove measuring chamber cap and dispense into proper application equipment.
For multiple dose measuring: Remove fill chamber cap and dispense according to markings on side of bottle.

**STORAGE AND DISPOSAL**

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

**Pesticide Storage:** Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excessive heat. Carefully open containers. After partial use replace lids and close tightly. Do not put concentrate or dilute material into food or drink container.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Conform to markings on side of bottle. If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

**Pesticide Disposal:** Pesticide wastes are toxic. Do not contaminate water, food or feed by storage or disposal. In proper disposal of excess pesticide, spray mixture, or rinse is a violation of Federal Law. Dispose of excess or waste pesticide by use according to label directions, or contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Container Disposal:**

- **Plastic Container—Non-refillable container.** Do not reuse or refill this container. Triple rinse as follows: Empty the contents into application equipment or a mix tank and drain for 10 seconds after flow begins to drip. Fill container ¾ full with water and recap. Shake for 10 seconds. Pour rinse into application equipment or mix tank or store rinseate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available or reconditioning, if appropriate, 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.

**General Information on the Use of this Product**

AVALON Insecticide controls a wide spectrum of insects and mites on trees, shrubs, foliage plants, non-bearing fruit and nut trees, and flowers in greenhouses, interiorscapes including hotels, shopping malls, office buildings, etc., and outdoor plantscapes, such as around residential dwellings, parks, institutional buildings, recreational areas, athletic fields and home lawns. Non-bearing crops are perennial crops that will not produce a harvestable raw agricultural commodity during the season of application. AVALON Insecticide may also be used in feed and food handling establishments, animal confinement facilities, kennels, confined animal feeding operations, livestock premises, and in/around/under structures.

**Resistance:** Some insects are known to develop resistance to products used repeatedly for control. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. Consult your local or state pest management authorities for details.

If resistance to this product develops in your area, this product, or other products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience difficulty with control and suspect that resistance is a reasonable cause, immediately consult your local company representative or pest management advisor for the best alternative method of control for your area.

**AVALON Insecticide Dilution Chart**

<table>
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<th>Applic. Volume:</th>
<th>Applic. Rate:</th>
<th>1 Gallon</th>
<th>5 Gallons</th>
<th>10 Gallons</th>
<th>100 Gallons</th>
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<td>% a.i.</td>
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1 fluid oz. = 29.57 ml = 2 tablespoons = 6 teaspoons
Do not use household utensils to measure AVALON Insecticide.

Note: Higher finished volume should be applied to penetrate thatch, mulch, brush, and porous surfaces. Lower finished volumes can be used indoors and for non-porous surfaces. Do not apply more than 1 oz. AVALON Insecticide per 1,000 square feet.

**General Application Instructions**

AVALON Insecticide formulation mixes readily with water and other aqueous carriers. AVALON Insecticide may be tank-mixed with adjuvants, and with other pesticides, including insect growth regulators. When tank mixing AVALON Insecticide with other pesticides, observe all precautions and limitations on each separate product label. The physical compatibility of AVALON Insecticide may vary with different sources of pesticide product and local cultural practices. Any tank mixture which has not been previously tested should be prepared on a small scale (pint or quart jar), using the proper proportions of pesticides and water to ensure the physical compatibility of the mixture.

The following procedure is recommended for preparation of a new tank mix, unless specified otherwise in label directions: (1) Add wettable powders to tank water, (2) Agitate, (3) Add liquids and flowables, (4) Agitate, (5) Add emulsifiable concentrates, and (6) Agitate. If a mixture is found to be incompatible following this order of addition, try reversing the order of addition, or increase the volume of water. Note: If the tank-mixture is found to be com-
pailable after increasing the amount of water, then the sprayer will need to be recalibrated for a higher volume application. Do not allow tank mix to stand overnight.

Formula for Determining the Active Ingredient Content of the Finished Spray Mixture: The following formula may be used to determine the percent active ingredient that is in the spray tank after mixing

\[
\text{Percent Active Ingredient of spray mix} = \left( \frac{\text{fl. oz. of AVALON Insecticide added to tank}}{\text{gallons of finished spray mix}} \right) \times 128
\]

APPLICATION DIRECTIONS

ANT CONTROL

Nuisance Ants Indoors: For best results, locate and treat ant nests. Dilute 0.5 to 1.0 fluid oz. of AVALON Insecticide per gallon of water and apply at the rate of one gallon of dilution per 1,000 square feet at general surface, crack and crevice or spot treatment to areas where ants have been observed or are expected to forage. These areas include, but are not limited to, baseboards, in and behind cabinets, under sinks, refrigerator, oven or stove, behind dishwashers, floors, ceiling or wall voids, around pipes, cracks and crevices and in corners. Particular attention should be given to treating entry points into the home or premises such as around doors and windows. When using AVALON Insecticide in combination with baits, apply AVALON Insecticide as instructed above, and use baits in other areas that have not been treated with AVALON Insecticide

Nuisance Ants Outdoors: For best results, locate and treat ant nests. Apply AVALON Insecticide to ant trails around doors and windows and other places where ants have been observed or are expected to forage. Apply a perimeter treatment using either low or high volume applications described in the “Pest Control on Outside Surfaces and Around Buildings” section of this label. The higher dilutions and/or application volumes, as well as more frequent applications, may be necessary when treating concrete surfaces for ant control. Maximum control is generally achieved using the following procedure:

The following procedure must be followed to help achieve maximum control of the pest:

1) Treat non-porous surfaces only in areas protected from rainfall and spray from sprinklers with low volume applications using 0.5 to 1.0 fluid oz. of AVALON Insecticide per gallon of water and applying this dilution at the rate of one gallon per 1,000 square feet.

2) Treat porous surfaces and vegetation with high volume applications (usually 5 to 10 finished gallons per 1,000 square feet) using dilutions that are calculated to deliver 0.5 to 1.0 fluid oz. of AVALON Insecticide per 1,000 square feet (refer to the AVALON Insecticide Dilution Chart).

3) For maximum control, dilute 1.0 fluid oz. of AVALON Insecticide in up to 10 gallons of water and apply 1 to 10 gallons per 1,000 square feet.

Carpenter Ants Indoors: Dilute 0.5 to 1.0 fluid oz. of AVALON Insecticide per gallon of water and apply at the rate of one gallon of dilution per 1,000 square feet as a general surface, crack and crevice or spot treatment to areas where carpenter ants have been observed or are expected to forage. These areas include, but are not limited to, baseboards, in and behind cabinets, under sinks, refrigerator, oven or stove, behind dishwashers, floors, ceiling or wall voids, around pipes, cracks and crevices and in corners. Particular attention should be given to treating entry points into the home or premises such as around doors and windows. Spray or foam into cracks and crevices or drill holes and spray, mist or spray into voids where carpenter ants or their nests are present.

When using AVALON Insecticide in combination with baits, apply AVALON Insecticide as instructed above, and use baits in other areas that have not been treated with AVALON Insecticide.

Carpenter Ants Outdoors: Apply AVALON Insecticide to carpenter ant trails around doors and windows and other places where carpenter ants have been observed or are expected to forage. For best results, locate and treat carpenter ant nests. Apply a perimeter treatment using either low or high volume applications described in the “Pest Control on Outside Surfaces and Around Buildings” section of this label. The higher dilutions and/or application volumes, as well as more frequent applications, may be necessary when treating concrete surfaces for carpenter ant control. Maximum control is generally achieved using the following procedure:

The following procedure must be followed to help achieve maximum control of the pest:

1) Treat non-porous surfaces only in areas protected from rainfall and spray from sprinklers with low volume applications using 0.5 to 1.0 fluid oz. of AVALON Insecticide per gallon of water and applying this dilution at the rate of one gallon per 1,000 square feet.

2) Treat the trunks of trees that have carpenter ant trails, or upon which carpenter ants are foraging, using 0.5 to 1.0 fluid oz. of AVALON Insecticide per gallon of water and applying this dilution to thoroughly wet the bark from the base of the tree to as high as possible on the trunk

3) Treat porous surfaces and vegetation with high volume applications (usually 5 to 10 finished gallons per 1,000 square feet) using dilutions that are calculated to deliver 0.5 to 1.0 fluid oz. of AVALON Insecticide per 1,000 square feet (refer to the AVALON Insecticide Dilution Chart).

4) For maximum residual control, dilute 1.0 fluid oz. of AVALON Insecticide in up to 10 gallons of water and apply 1 to 10 gallons per 1,000 square feet.

To control carpenter ants inside trees, utility poles, fencing or deck materials and similar structural members, drill to locate the interior infested cavity and inject AVALON Insecticide. AVALON Insecticide can also be applied further from trees, around pipes, cracks and crevices and in corners. Particular attention should be given to treating entry points into the home or premises such as around doors and windows. When using AVALON Insecticide in combination with baits, apply AVALON Insecticide as instructed above, and use baits in other areas that have not been treated with AVALON Insecticide.

Pest Control on Outside Surfaces and Around Buildings

AVALON Insecticide will provide up to 1 month residual control of house flies. Length of residual control is dependant upon rate and surface treated.

Follow Additional Application Restrictions for Outdoor Surface and Space Sprays under DIRECTIONS FOR USE

Applications to vertical exterior surfaces (e.g., foundations) are permitted to a maximum height of 3 feet from ground level. Sections of vertical exterior surfaces that are not protected from rainfall and spray from sprinklers or 2) they do not drain into a sewer, storm drain, or curb gutter (e.g., not to sections that abut driveways or sidewalks that drain into streets).

For control of Ants, Carpenter Ants, Fire Ants, Armyworms, Lady Beetles, Bees, Beetles†, Blit Fly, Boxelder Bugs, Centipedes, Chiggers, Chinch Bugs, Cicadas, Clover Mites, Cockroaches, Crickets, Cutworms, Diodora Flea Beetles, Earwigs, Elm Leaf Beetles, Fire Ants, Fleas, Flies, Gnats, Grasshoppers, Hornets, Japanese Beetles†, Midges, Millipedes, Mosquitoes, Moths, Scorpions, Silverfish, Sod Webworms, Soldier Fly (Pillbug), Spider Mites, Spiders (including Black Widow, Brown Recluse and Hobo Spiders), Springtails, Stink Bug Ticks (including Brown Dog Ticks), Vinegar (Fruit) Flies, and Wasps

†Not for use in California.

Apply AVALON Insecticide using a 0.02 to 0.06% dilution as a residual spray to outside surfaces of buildings including, but not limited to, exterior siding, foundations, porches, window frames, eaves, patios, garage, house dust mites, firewood, and outdoor areas around private homes, duplexes, townhouses, condominiums, house trailers, apartment complexes, garages, fens, lines, space sheds, barns, and other residential and non-commercial structures, soil, trunks of under sprinkler dilution or on foam at the feed points where pests congregate or have been seen. Do not apply more than 1 oz. AVALON Insecticide per 1000 square feet. (Refer to the AVALON Insecticide Dilution Chart.). Higher application volumes may be used to obtain the desired coverage of dense vegetation or landscaping materials. Mixing Directions: For 0.02% dilution, mix 0.33 fluid oz. of AVALON Insecticide per gallon of water. For 0.06% dilution, mix 1 fluid oz. AVALON Insecticide per gallon of water (1 fluid oz. = 2 tablespoons). Do not use on or around utensils to measure AVALON Insecticide. AVALON Insecticide should be applied at a lower rate for heavy pest infestation, quicker knockdown or longer residual control. Retreatment may be necessary to achieve and/or maintain control during periods of high pest pressure. Repeat application is necessary only if there are signs of renewed insect activity. Repeat application should be limited to no more than once per seven days.
Perimeter Treatment: Apply to a band of soil and vegetation 6 to 10 feet wide around and adjacent to the structure. Also, treat the foundation of the structure to a height of 2 to 3 feet. Apply 0.33 to 1.0 fluid oz. of AVALON Insecticide per 1,000 square feet in sufficient water to provide uniform site coverage. For sections of foundation that abut non-porous horizontal surfaces, the treated areas must be protected from rainfall and spray from sprinklers or they do not drain into a sewer, storm drain, or curbside gutter (e.g., not to sections that abut driveways or sidewalks that drain into streets).

Broadcast Treatment of Wood for the Control of Wood-infecting Insects and Nuisance Pests Outside of Structures
Apply a 0.06% dilution with a fan spray using a maximum pressure of 25 psi. Treatment should be made to thoroughly and uniformly cover the surface. Limit uniform excess runoff.

To control wood-infecting insects active inside trees, utility poles and/or fence posts, drill to find the interior infested cavity and inject a 0.06% dilution. To control Bees, Wasps, Hornets, and Yellow-Jackets, apply in late evening when insects are at rest. Aim spray at nest openings in groves, bushes and in crevices which may harbor nests, sat-urating nests openings and contacting as many insects as possible.

Pe-Sts Under Slabs
Infestations of Arthropods, such as Ants, Cockroaches and Scorpions inhabiting under slab area may be controlled by drilling and injecting or horizontal boring and then injecting 1 gallon of a 0.06% or 0.1% of AVALON Insecticide per 1.0 square feet (or 2 gallons of a 0.06% dilution or 1 gallon of a 0.12% dilution per 10 linear feet).

MOSQUITO CONTROL
To control adult mosquitoes outdoors on residential, institutional, public, commercial and industrial buildings, and lawns, ornamentals, parks, recreational areas and athletic fields.

Apply AVALON Insecticide for mosquito control at an application rate of 0.33 to 1.0 fluid oz. AVALON Insecticide per gallon of water (0.07 to 0.22 lbs bifenthrin/acre), and apply at the rate of one gallon per 1,000 square feet as a general spray (refer to the AVALON Insecticide Dilution Chart). Use the high rate for residual control of mos-quitoes. Use this product for control of urban mosquitoes that may potentially transmit malaria and arboviruses (West Nile fever, dengue fever, Eastern equine encephalitis, and St. Louis encephalitis).

Apply as a residual spray to outside surfaces of buildings including but not limited to, exterior siding, foundations, porches, window frames, eaves, decks, garages, refuse dumps, lawns, shrubs, ground cover, bedding plants, foliage plants, flowers, non-bearing fruit and nut trees urban areas, parks, campgrounds, athletic fields, playgrounds, recreational and overgrown waste areas, roadsides and other areas where mosquitoes are found. May also be applied to non-bearing crops or perennial crops that will not produce harvestable raw agricultural commodities during the season of application.

Use the high rate for heavy pest infestation, quicker knockdown, or long-term residual control. Refer to chart may not be necessary to achieve and/or maintain control during periods of high pest pressure, or if there are signs of renewed insect activity. For the lower use rates, repeat application should be limited to no more than once per seven days. For the high use rate, 1.0 gallon per 1,000 square feet of AVALON Insecticide per gallon of water, do not apply more than once per four weeks.

Apply with hand-held and back pack sprayers or mist blowers, ground sprayers, power sprayers, truck mounted hydraulic sprayers or mist blowers. Do not apply by air or with hand held or truck mounted cold aerosol ULV sprayers and thermal fogging devices. For best results apply when the mosquitoes are most active. Application during the cooler hours of the night or early mornings is recommended.

Do not apply more than 1.0 fluid oz. of AVALON Insecticide per 1,000 square feet (equivalent to 0.22 lbs. bifenthrin/acre) per application.

Do not apply when wind speed exceeds 10 MPH.

INDOOR USE
For control of Ants, Carpenter Ants, Bedbugs, Bees, Beetles, Biting Flies, Boxelder Bugs, Centipedes, Cicadas, Cockroaches, Crickets, Earwigs, Firebrats, Fleas, Flies, Gnats, Millipedes, Mosquitoes, Moths, Silverfish, Spiders, Stink Bugs, Ticks, Spiders, Spingals, Stink Bug, Ticks (including Brown Dog Ticks), Vinegar (Fruit) Flies, and Wasps.

In the home, all food processing surfaces and utensils should be cov-ered. Mixing treatment or thoroughly washed before use. Exposed food should be covered or removed.

Use a 0.02% to 0.06% dilution (0.33 to 1 fluid oz. per gallon of water) for residual pest control in buildings and structures and on modes of transport. Apply either as a crack and crevice, pinstream, spot, coarse, low pressure spray (25 psi or less) or with a paint brush.

Apply as a coarse, low pressure, crack and crevice or spot spray to areas where pests hide, such as baseboards, corners, storage areas, closets, around water pipes, doors and windows, attics and eaves, behind and under refrigerators, cabinets, sinks, furnaces, stoves, the underside of shelves, drawers and similar areas. Do not use as a space spray. Pay particular attention to cracks and crevices.

Mixing Directions: See mixing directions in “Pest Control on Outside Surfaces and Around Buildings” section.

AVALON Insecticide is to be diluted with water for spray or brush application. Fill sprayer with the desired volume of water and add AVALON Insecticide. Close and shake before use in order to insure proper mixing. Do not use more than 1% of solution for the application. Retreatment may be necessary to achieve and/or maintain control during periods of high pest pressure. Repeat application is necessary only if there are signs of renewed insect activity. Limit repeat application to no more than once per seven days.

AVALON Insecticide may be converted to a foam and used to treat void spaces, or as a spot spray on vertical or horizontal surfaces where visual marking of application is desired. Use of a foaming agent increases a.i. surface contact time on challenging surfaces and provides visual marking of the application.

Bedbugs: Thorough application should be made to cracks and crevices where evidence of bed bugs occurs. This includes bed frames, box springs, inside empty dressers and clothes closets and carpet edges, high and low wall moldings and wallpaper edges. Do not use this product on bed linens, pillows, mattresses or clothes. Remove all clothes and other articles from dressers or clothes closets before application. Allow all treated areas to thoroughly dry before use. Not recommended for use as sole protection against bedbugs. If evidence of bedbugs is found in mattress or upholstery use products approved for this use.

Use a 0.06% dilution (1 fluid oz. per gallon of water) for residual pest control in buildings and structures and on modes of transport. Apply either as a crack and crevice, pinstream, spot, coarse, low pressure spray (25 psi or less) or with a paint brush.

Cockroaches, Crickets, Firebrats, Flies, Gnats, Moths, Mosquitoes, Scorpions, Silverfish, Spiders, Ticks

AVALON Insecticide will provide up to 1 month residual control of house flies. Length of residual control is dependent on rate and sur-face treated.

Apply as a coarse, low pressure spray to areas where these pests hide, such as baseboards, corners, storage areas, closets, around water pipes, doors and windows, attics and eaves, behind and under refrigerators, cabinets, sinks, furnaces, and stoves, the underside of shelves, drawers and similar areas. Pay particular attention to cracks and crevices.

Ants: Apply to any trails, around doors and windows and other places where ants may be found.

Fleas:

AVALON Insecticide will kill fleas for up to 3 months

Apply as a coarse, low pressure spot or crack and crevice treatment to areas frequented by pets, such as under bedding, rugs, next to furniture. Do not apply AVALON Insecticide directly to pets. Treatment must be dry before pet re-entry. Vacuum prior to treatment.

Boxelder Bugs, Centipedes, Cicadas, Earwigs, Beetles, Millipedes, Pillbugs, Sowbugs, Spingals, and Stink Bugs: Apply around doors and windows and other places where these pests may be found or where they may enter premises. Check damp areas and drains for pest access. Spray baseboards, storage areas and other locations.

Spider Mites: Treat houseplants thoroughly but do not allow run off to occur. Make sure to treat underside of leaves.

Bees and Wasps

To control Bees, Wasps, Hornets, and Yellow-Jackets apply a 0.06% dilution. Application should be made in the late evening when insects are active and may be exposed to spray. Apply spray at nest and entry points and in/on structures where insects alight. Spray liberally into hiding and breeding places, especially under attics, rafters, contacting as many insects as possible. Retreatment may be necessary to achieve and/or maintain control during periods of high pest pressure. Repeat application is necessary only if there are signs of renewed insect activity.

Important: Do not apply dilution until location of heat pipes, ducts, water and sewer lines and electrical conduits are known and identified. Caution must be taken to avoid puncturing and injection into these structures. Do not use near open doors, windows, switches, or sockets. In the home, all food processing surfaces and utensils in the treatment area should be covered during treatment or thoroughly washed before re-use. Remove pets, birds, and cover aquariums before spraying. Do not permit humans or pets to contact treated surfaces until the spray has dried.

During any overhead applications to overhead interior areas of structures, cover surfaces below with plastic sheeting or similar materials. Wear protective clothing, unvented goggles, gloves and respirator, when applying to overhead areas, or in poorly ventilated areas. Avoid touching sprayed surfaces until spray has completely dried.

Page 5
FOR CONTROL OF STORED PRODUCTS PESTS

Including Indian Meal Moths, Rice Moths, Tobacco Moths, Flour Beetles, Lesser Grain Borers, Merchant Grain Beetles, Sawtoothed Grain Beetles, Grain Weevils, Warehouse Beetles, Cigarette Beetles, and Dermestids, white and other similar pests. Insects, rodents, birds, and other species that locate and remove infested food sources, remove or cover any food items or food serving dishes or utensils prior to treatment. Apply AVALON Insecticide using a 0.02 to 0.06 dilution. As a coarse, low pressure spray to areas infested: beehives, basemeats, drawers, corners, storage areas, closets, around water pipes, doors and windows, attics and eaves, behind and under refrigerators, cabinets, sinks, furnaces, and stoves, the underside of shelves, drawers and similar areas. Pay particular attention to cracks and crevices. Do not apply directly to food.

WAREHOUSES and GROCERY/STORES: AVALON Insecticide dilution may be applied as a general surface, spot or crack and crevice treatment in food and nonfood storage warehouses and stores. Apply to all areas that may harbor pests, including under shelves, rafters, cabinets, sinks, doors, and area where food is stored in bins, and shelves. Do not apply directly to food, grain bins (interior), or animals.

FOOD/Food HANDLING ESTABLISHMENT APPLICATIONS

Applications of this product are permitted in both food/feed and non-food areas of food establishments as a general surface, spot, or crack and crevice treatment.

Food/feed handling establishments are defined as places other than private residences in which exposed food/feed is handled, processed, prepared or served. Included also are areas for receiving, storing, packaging (canning, bottling, vending), preparing, cooking, washing and cleaning food, food/feed and enclosed processing systems (mills, dairies, edible oils, syrups). Serve areas where food is exposed and the facility is in operation. Permitted non-food areas of use include, garbage rooms, offices, lockers, rooms, garages, mop closets and storage (after canning or bottling).

Permitted use sites include: Aircraft (Do not use in aircraft cabins), bakeries, bottling facilities, breweries, buses, cafeterias, candy plants, canneries, dairy product processing plants, food manufacturing plants, food processing plants, food establishments, grain processing plants, hotels, hospitals, industrial buildings, laboratories, meat/poultry/egg processing plants, mobile/motor homes, nursing homes offices, railcars, restaurants, schools, ships, trailers, trucks, vessels, warehouses and wineries.

General Surface Application: Do not use this application method in food/feed handling establishments when the facility is in operation or food/feeds are exposed. Do not apply directly to food products. Cover or remove all food processing and/or handling equipment during application. After application in food processing plants, bakeries, cafeterias, and similar facilities, wash all equipment, benches, shelves and other surfaces which food will contact. Clean food handling or processing equipment and thoroughly rinse with clean, fresh water.

Spot, Crack and Crevice Application: Spot or crack and crevice application may be made inside the facility. Infested food should be covered or removed from area being treated. Do not apply directly to food. For this application a “spot” will not exceed 2 ft.

ANIMAL CONFINEMENT FACILITIES, LIVESTOCK PREMISES CONFINED ANIMAL FEEDING OPERATIONS, and KENNELS

Controls biting flies, filth-breeding flies, fleas, lice, mites, and ticks. Apply as a general surface (including direct sprays) in areas or cracked or creviced areas where insects hide, such as basemats, doors, and areas where insect pests hide or congregate. Exterior applications to walls and foundation perimeters can help prevent interior infestations of flying and crawling insect pests. Apply AVALON Insecticide at a rate equivalent to 0.33 to 1 fl. oz per 1000 sq. ft. Apply water dilution to saturated but not dripping. For unoccupied areas of poultry/livestock facilities and kennels, apply to floors, vertical and overhead surfaces where crawling or flying insect pests may be present. Feathers, waterers, and feed carts should be covered before application to prevent contamination. Do not apply to milking areas. Pay attention to animal areas, including stanchions, pens, windows, doors, and areas where pest insects hide or congregate. Exterior applications to walls and foundation perimeters can help prevent interior infestations of flying and crawling insect pests. Apply AVALON Insecticide at a rate equivalent to 0.33 to 1 fl. oz per 1000 sq. ft. Use sufficient finished volume to penetrate leaf litter, thatch, mulch, or porous surfaces.

To control bed bugs, mites and ticks in animal facilities, treat cracks/crevices, walls, posts, nest boxes, and mobile side curtains. Do not apply AVALON Insecticide directly to animals. To control bedbugs, use 0.5 to 1 fl. oz per 1000 sq. ft. Use the higher rate of application on painted and non-porous surfaces.

For adult fly control in and around animal facilities, spray application should target areas where flies will rest, such as the ceiling, rafters, and trusses. Also treat windows, interior and exterior walls and supports, fences, and vegetation. AVALON Insecticide dilution may be sprayed on manure in areas where fly larvae are abundant and the area cannot be cleaned.

For poultry houses, apply to floor area (birds grown on litter) or to walls, posts, and cage framing (birds grown in cages). Application should also be made into cracks and crevices around insulation. Reapply after each washout or sanitation procedure, but not more than once every 8 weeks. Indoor control can be enhanced by making perimeter treatments around the outside of building foundations to prevent immigration of adult flies. Apply in a uniform band 2 to 3 feet up and 6 to 10 feet out from the structure. Maintenance a year-round treatment program will prevent background populations from reaching problem levels.

To control beetles in houses containing birds grown on litter, apply AVALON Insecticide at a rate equivalent to 0.33 to 1 fl. oz per 1000 sq. feet to litter after birds are removed and during tilling. If litter is removed and replaced with fresh litter, AVALON Insecticide can be applied at a rate equivalent to 0.33 to 1 fl. oz per 1000 sq. feet to bare soil or concrete, and treat new litter after it is spread. Apply spray to inside walls, posts, and exterior perimeter. Reapply between each flock.

To control beetles in broiler-breeder houses, apply as directed above for litter and soil/floor treatment.

To control beetles in caged-layer houses, do not treat accumulated manure, as it will likely disrupt natural enemies that control fly breeding. Instead, treat the perimeter of the manure at a rate equivalent to 0.33 to 1 fl. oz AVALON Insecticide per 1000 sq. ft. Fill walls, posts, and exterior of structure should also be sprayed. Reapply between each flock.

Allow AVALON Insecticide treatment to dry before applying disinfectants.

DO NOT apply AVALON Insecticide as a general surface spray when animals are present in the facility. Allow applications to dry before restocking the facility. Treatment may be made to cracks and crevices when animals are present.

DO NOT apply AVALON Insecticide to any animal feed, water, or water-intake equipment. DO NOT contaminate animal feed, food, or water in and around livestock, poultry, or pet housing when making applications.

Foam Applications

AVALON Insecticide may be converted to a foam and used to treat void spaces, or as a spot spray on vertical or horizontal surfaces where visual marking of application is desired. Use of a foaming agent increases a.i. contact time on challenging surfaces and provides visual marking of the application. Ensure that the foaming agent is approved for food surface/area contact use.

Specific Pest Control Applications

Underground Services such as: wires, cables, utility lines, pipes, conduits, etc. Services may be within structures or located outside structures, in right-of-ways or to protect long range (miles) of installations of services.

Soil treatment may be made using 0.06 to 0.12% AVALON Insecticide dilution to prevent attack by Termites and Ants.

Apply 2 gallons of dilution per 10 linear feet to the bottom of the trench and allow to soak into the soil. Lay services on the treated soil and cover with approxim ately 2 inches of fill soil. Apply another 2 gallons per 10 linear feet over the soil surface to complete the treatment barrier. In wide trenches, only treat the soil in the area near the services. It is important to establish a continuous barrier of treated soil surrounding the services. Where soil will not accept the above labeled volume, 1 gallon of 0.12% AVALON Insecticide may be used per 10 linear feet of trench both to the bottom of the trench and over the soil on top of the services.

Finish filling the trench with treated fill soil. The soil where each service protrudes from the ground may be treated by trenching/rodding of no more than 1 to 2 gallons of dilution into the soil.

Precautions:

Do not treat electrically active underground services.

Posts, Poles, and Other Constructions

Control insectidal barrier in the soil around wooden constructions such as signs, fences and landscape ornamentation by applying a 0.06% dilution.

Previously installed poles and posts may be treated by sub-surface injection or treated by gravity-flow through holes made from the bottom of a trench around the pole or post. Treat on all sides to create a continuation of the barrier above and below the pole. Use 1 gallon of dilution per foot of depth for poles and posts less than six inches in diameter. For larger poles, use 1.5 gallons of dilution per foot of depth. Apply to a depth of 6 inches below the bottom of the wood. For larger constructions, use 4 gallons of dilution per 10 linear feet per foot of depth.

Treatement of Wood-in-Place for Control of Wood-Inesting Insects:

(Localized Areas in Structure) For the control of insects such as Termites, Ants, Carpenter Ants, and wood-inesting beetles such as Old House Borer and Powder Post in localized areas of infested wood in and
around structures, apply a 0.06% dilution to voids and galleries in damaged wood and in spaces between wooden members of a structure and between wood and foundations where wood is vulnerable. Paint on or fan spray applications may also be used. Plastic sheeting must be placed immediately below overhead areas that are spot treated except for soil surfaces in crawl spaces. Application may be made to inaccessi-
ble areas by drilling, and then injecting dilution with a crack and crevice injector into the damaged wood or void spaces. This type of application is not intended to be a substitute for soil treatment, mechanical alter-
ation or fumigation to control extensive infestation of wood-infesting insects.

Termite carton nests in trees or building voids may be injected with 0.06% dilution. Multiple injection points to varying depths may be neces-
sary. It is desirable to physically remove carton nest material from building voids when such nests are found.

**Pest Control in Crawlspaces and Voids:** Broadcast AVALON Insecticide at 0.02% to 0.06% to all surfaces in crawlspace and/or void to treat sub-slab, cracks, crevices, and voids. This treatment is not intended as a substitute for termite control. Treatment should be made to thoroughly and uniformly cover the surface but limit excess runoff. Keep children and pets off surface until dry.

**SUBTERRANEAN TERMITE CONTROL Directions For Use**

All pesticide handlers (mixers, loaders and applicators) must wear long-sleeved shirt and long pants, socks, shoes and chemical-resistant gloves. After the product is diluted in accordance with label directions for use, and/or when mixing and loading using a closed spray tank transfer system (such as an in-line injector system), shirt, pants, socks, shoes and gloves must be worn. If operator’s hands or clothing become contaminated, they must be washed with soap and water before eating, drinking, or smoking. In addition, all pesticide handlers must wear a respiratory protection device when working in a non-venti-
lated space. All pesticide handlers must wear protective eyewear when working in non-ventilated space or when applying termitecide by rodding or sub-slab injection.

1. Use one of the following NIOSH approved respirator with any R, P or HE filter or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE prefilter.

When treating adjacent to an existing structure, the applicator must check the area to be treated, and immediately adjacent areas of the structure, for visible and accessible cracks and holes to prevent any leaks or significant exposures to persons occupying the structure. People present or residing in the structure during application must be advised to remove their pets and themselves from the structure if they see any signs of leakage. After application, the applicator is required to check for leaks. All leaks resulting in the deposition of termitecide in loca-
tions other than those prescribed on this label must be cleaned up prior to leaving the application site. Do not allow people or pets to contact contaminated areas or to reoccupy contaminated areas of the structure until the clean-up is completed.

The use of this product prevents and controls termite infestations in and around structures and constructions.

The insecticidal dilution must be adequately dispersed in the soil to establish a barrier between the wood and the Termites in the soil. As a good rule of thumb: 1) all non-essential wood and cellulose containing materials, should be removed from around foundation walls, crawl spaces, and porches; 2) eliminate termite access to moisture by repairing faulty plumbing and/or construction grade. Soil around untreated structural wood in contact with soil should be treated, as described below.

To establish an effective insecticidal barrier with this product the service technician must be familiar with current termite control practices such as: trenched, rodding, sub-slab injection, coarse fan spraying of soil surfaces, crack and crevice (void) injection, excavated soil treatment, and brush or spray applications to infested or susceptible wood. These techniques must be correctly employed to prevent or control infesta-
tions by subterranean termites such as: Coptotermes, Heterotermes, Reticulitermes and Zootermopsis. The biology and behavior of the species involved should be considered by the service technician in determining which control practices to use to control or prevent the termite infestation.

Choice of appropriate procedures should include consideration of such variable factors as the design of the structure, location of heating, ventilation, and air conditioning (HVAC) systems, water table, soil type, soil compaction, grade conditions, and location and type of domestic water supplies and utilities.

For advice concerning current control practices with relation to specific local conditions, consult resources in structural pest control and state cooperative extension and regulatory agencies.

**Important:** Contamination of public and private water supplies must be avoided by following these precautions: Use anti-backflow equipment or procedures to prevent siphonage of insecticide into water supplies. Do not contaminate cisterns or wells. Do not treat soil that is saturated or frozen or in any conditions where runoff or movement from the treatment area (site) is likely to occur. Consult state and local spec-
ifications for recommended distances of wells from treated areas, or if such regulations do not exist, refer to Federal Housing Administration Specifications (H.U.D.) for guidance.

**Note:** Crawl spaces are considered inside of the structure.

**Critical Areas:** Critical areas include areas where the foundation is penetrated by utility services, cracks and expansion joints, bath traps and areas where cement constructions have been poured adjacent to the foundation such as stairs, patios and slab additions.

**Structures with Wells/Cisterns Inside Foundations**

Structures that contain wells or cisterns within the foundation of a struc-
ture can only be treated using the following techniques:

1. Do not treat soil while it is beneath or within the foundation or along the exterior perimeter of a structure that contains a well or cistern. The treated backfill technique must be used if soil is removed and treat-
ed outside/away from the foundation. The treated backfill technique is described as follows:

   a. Trench and remove soil to be treated onto heavy plastic sheeting or similar material or into a wheelbarrow.
   b. Treat the soil at the rate of 4 gallons of dilution per 10 linear feet per foot of depth of the trench, or 1 gallon per 1.0 cubic feet of soil. See “Mixing Directions section of the label. Mix thoroughly into the soil taking care to contain the liquid and prevent runoff or spillage.
   c. After the treated soil has absorbed the dilution, replace the soil into the trench.

2. Treat infested and/or damaged wood in place using an injection tech-
nique such as described in the “Control of Wood Infesting Insects” section of this label.

**Structures with Adjacent Wells/Cisterns and/or Other Water Bodies**

Applicators must inspect all structures with nearby water sources such as wells, cisterns, surface ponds, streams, and other bodies of water and evaluate, at a minimum, the treatment recommendations listed below prior to making an application.

1. Prior to treatment, if feasible, expose the water pipe(s) coming from the well to the structure, if the pipe(s) enter the structure within 3 feet of grade.

2. Prior to treatment, applicators are advised to take precautions to limit the termitecide entering into subsurface drains that could empty into any bodies of water. These precautions include evaluating whether application of the termitecide to the top of the footer may result in contamination of the subsurface drain. Factors such as depth to the drain system and soil type and degree of compaction should be taken into account in determining the depth of treatment.

3. When appropriate (i.e., on the water side of the structure), the treated backfill technique (described above) can also be used to minimize off-site movement of termitecide.

Prior to using this technique near wells or cisterns, consult state, local or federal agencies for information regarding approved treatment prac-
tices in your area.

**Application Rate:**

Use a 0.06% dilution for subterranean termites. For other pests on the label use specific listed rates.

**Mixing Directions:** Mix the termitecide use dilution in the following manner: Fill tank 1/4 to 1/3 full. Start pump to begin by-pass agitation and place end of treating tool in tank to allow circulation through hose. Add appropriate amount of AVALON Insecticide. Add remaining amount of water. Let pump run and allow recirculation through the hose for 2 to 3 minutes.

AVALON Insecticide may also be mixed into full tanks of water, but requires substantial agitation to insure uniformity of the dilution.

To prepare a 0.06% water dilution, ready to use, dilute 3 quarts of AVALON Insecticide with 99.25 gallons of water.

**Mixing:**

For the desired application rate, use the chart below to determine the amount of AVALON Insecticide for a given volume of finished dilution:

<table>
<thead>
<tr>
<th>Dilution Concentration</th>
<th>Amount of AVALON Insecticide</th>
<th>Amount of Water</th>
<th>Desired Gallons of Finished Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.06%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 oz</td>
<td>127 oz.</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>5 oz</td>
<td>49 oz.</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>10 oz</td>
<td>9.9 oz.</td>
<td>10</td>
<td>25</td>
</tr>
<tr>
<td>25 oz.</td>
<td>24.8 oz.</td>
<td>25</td>
<td>49.25</td>
</tr>
<tr>
<td>1.5 qt.</td>
<td>49.6 oz.</td>
<td>50</td>
<td>99.25</td>
</tr>
<tr>
<td>2.25 qt.</td>
<td>74.4 oz.</td>
<td>75</td>
<td>100</td>
</tr>
<tr>
<td>3 qt.</td>
<td>99.25 oz.</td>
<td>100</td>
<td></td>
</tr>
</tbody>
</table>

**0.12%**

<table>
<thead>
<tr>
<th>Amount of AVALON Insecticide</th>
<th>Amount of Water</th>
<th>Desired Gallons of Finished Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 oz</td>
<td>126 oz.</td>
<td>1</td>
</tr>
<tr>
<td>10 oz</td>
<td>4.9 oz.</td>
<td>5</td>
</tr>
<tr>
<td>19.5 oz.</td>
<td>9.8 oz.</td>
<td>10</td>
</tr>
<tr>
<td>3.75 qt.</td>
<td>24.6 oz.</td>
<td>25</td>
</tr>
<tr>
<td>5 qt.</td>
<td>49.2 oz.</td>
<td>50</td>
</tr>
<tr>
<td>4.5 qt.</td>
<td>73.8 oz.</td>
<td>75</td>
</tr>
<tr>
<td>3 qt.</td>
<td>98.5 oz.</td>
<td>100</td>
</tr>
</tbody>
</table>
Common units of measure:
1 pint = 16 fluid ounces (oz.)
1 quart = 2 pints = 4 cups = 32 fluid ounces (oz.)

*For termite applications, only use this rate in conjunction with the application volume adjustments as listed in the section below or in the foam or underground service application sections.

**Application Volume:** To provide maximum control and protection against termite infestation apply the specified volume of the finished water dilution and active ingredient as set forth in the directions for use section of this label. If soil will not accept the labeled application volume, the volume may be reduced provided there is a corresponding increase in concentration so that the amount of active ingredient applied to the soil remains the same.

Note: Large reductions of application volume reduce the ability to obtain a continuous barrier. Variance is allowed when volume and concentration are consistent with label directed rates and a continuous barrier can still be achieved.

Where desirable for pre and post construction treatments, the volume of the 0.12% dilution may be reduced by 1/2 the labeled volume. See Volume Adjustment Chart below.

**Note:** When volume is reduced, the hole space for subslab injection and soil rodding may require similar adjustment to account for lower volume dispersal of the termiticide in the soil.

<table>
<thead>
<tr>
<th>Rate (% dilution)</th>
<th>0.06%</th>
<th>0.12%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume allowed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Horizontal (gallons /10 ft)</td>
<td>1.0 gallons</td>
<td>0.5 gallons</td>
</tr>
<tr>
<td>Vertical (gallons dilution/10 ft.)</td>
<td>4.0 gallons</td>
<td>2.0 gallons</td>
</tr>
</tbody>
</table>

**After Treatment:** All holes in commonly occupied areas into which AVALON Insecticide has been applied must be plugged. Plugs must be of a non-cellulose material or covered by an impervious, non-cellulose material.

**Pre-Construction Subterranean Termite Treatment**
The treatment site must be covered prior to a rain event in order to prevent run-off of the pesticide into non-target areas.

The applicator must either cover the soil him/herself or provide written notification of the above requirement to the contractor on site and to the person commissioning the application of (if different than the contractor). If notice is provided to the contractor or the person commissioning the application, then they are responsible under FIFRA to ensure that: 1) if the concrete slab cannot be poured over the treated soil within 24 hours of application the treated soil is covered with a waterproof covering (such as polyethylene sheeting), and 2) the treated soil is covered if precipitation is predicted to occur before the concrete slab is scheduled to be poured.

Do not treat soil that is water-saturated or frozen.

Do not treat when raining.

Do not allow treatment to run off from the target area.

Do not apply within 10 feet of storm drains. Do not apply within 25 feet of aquatic habitats (such as, but not limited to, lakes; reservoirs; rivers; permanent streams; marshes or ponds; estuaries; and commercial fish farm ponds).

Do not make on-grade applications when sustained wind speeds are above 10 mph (at application site) at nozzle end height.

**Pre-Construction Treatment:** Do not apply at a lower dosage and/or concentration than specified on this label for applications prior to the installation of the finished grade.

When treating foundations deeper than 4 feet, apply the termiticide as the backfill is being replaced, or if the construction contractor fails to notify the applicator to permit this, treat the foundation to a minimum depth of 4 feet after the backfill has been installed. The applicator must trench and rod into the trench or trench along the foundation walls and around pillars and other foundation elements, at the rate prescribed from grade to the top of the footing. When the footer is more than four (4) feet below grade, the applicator must trench and rod into the trench or trench along the foundation walls at the rate prescribed to a minimum depth of four feet. The actual depth of treatment will vary depending on soil type, degree of compaction, and location of termite activity. When the top of the footing is exposed, the applicator must treat the soil adjacent to the footing to a depth not to exceed the bottom of the footing. In no case should a structure be treated below the footing.

**Special Care:**
- Trenches need not be wider than 6 inches. Dilution should be mixed with the soil as it is being replaced in the trench.
- A. When trenching and rodding into the trench, or trenching, it is important that dilution reaches the top of the footing. Rod holes must be spaced to achieve a continuous termite barrier, but in no case more than 12 inches apart.
- B. Care should be taken to avoid soil wash-around the footing.
- C. Special care must be taken to avoid puncturing and injection into these elements.
- D. For a monolithic slab, an inside vertical barrier may not be required.

Treat hollow block voids at a rate of 2 gallons of dilution per 10 linear feet so that the dilution will reach the top of the footing.

Prior to each application, applicators must notify the general contractor, construction superintendent, or similar responsible party, of the intended termiticide application and intended sites of application and instruct the responsible person to notify construction workers and other individuals to leave the area to be treated during application and until the termite activity is absorbed into the soil.

**Post Construction Subterranean Termite Treatment**
Use a 0.06% dilution for post-construction treatment. Post-construction soil applications shall be made by injection, trenching and rodding into the trench or trenching, or coarse fan spray with pressures not exceeding 25 p.s.i. at the nozzle. Care should be taken to avoid soil wash-around the footing.

Do not apply dilution until location of wells, radiant heat pipes, water and sewer lines and electrical conduits are known and identified. Care must be taken to avoid puncturing and injection into these elements.

**Foundations:** For applications made after the final grade is installed, the applicator must trench and rod into the trench or trench along the foundation walls and around pillars and other foundation elements, at the rate prescribed from grade to the top of the footing. When the footing is more than four (4) feet below grade, the applicator must trench and rod into the trench or trench along the foundation walls at the rate prescribed to a minimum depth of four feet. The actual depth of treatment will vary depending on soil type, degree of compaction, and location of termite activity. When the top of the footing is exposed, the applicator must treat the soil adjacent to the footing to a depth not to exceed the bottom of the footing. In no case should a structure be treated below the footing.

Treat along the outside of the foundation and where necessary beneath the slab on the inside of foundation walls. Treatment may also be received beneath the slab along both sides of interior footing-supported walls, one side of interior partitions and along all cracks and expansion joints. Horizontal barriers may be established where necessary by long-rodding or by grid pattern injection vertically through the slab.

**Slabs:** Vertical barriers may be established by sub-slab injection within the structure and trenching and rodding into the trench or trenching outside at not more than 4 gallons of dilution per 10 linear feet per foot of depth. Special care must be taken to distribute the treatment evenly. Treatment should not extend below the bottom of the footing.

Treat along the outside of the foundation and where necessary beneath the slab on the inside of foundation walls. Treatment may also be received beneath the slab along both sides of interior footing-supported walls, one side of interior partitions and along all cracks and expansion joints. Horizontal barriers may be established where necessary by long-rodding or by grid pattern injection vertically through the slab.

**Basements:** Where the footing is greater than 1 foot of depth from grade to the bottom of foundation, application must be made by trenching and rodding into the trench, or trenching at the rate of 4 gallons of dilution per 10 linear feet per foot of depth. The footing must be more than four feet below grade, the applicator may trench and rod into the trench, or trench along the foundation walls at the rate prescribed for four feet of depth. Rod holes must be spaced to provide a continuous insecticidal barrier, but in no case more than 12 inches apart. The actual depth of treatment will
vary depending on soil type, degree of compaction, and location of termite activity. However, in no case should a structure be treated below the footing. Sub-slab injection may be necessary along the inside of foundation walls, along cracks and partition walls, around pipes, conduits, and along both sides of interior footing drainage pipes.

**Accessible Crawl Spaces:** For crawl spaces, apply vertical termiteicide barriers at the rate of 4 gallons of dilution per 10 linear feet per foot of depth from grade to the top of the footing, or if the footing is more than 4 feet below grade, to a minimum depth of 4 feet. Apply by trenching and rodding into the trench, or trenched. When soil type and/or conditions demand rodding prohibitive, rodding may be used. When the base of the footing is exposed, the operator must treat the soil adjacent to the footing to a depth not to exceed the bottom of the footing. Follow the mixing and use direction section of the label if situations are encountered where the soil will not absorb the full application volume.

1. Rod holes and trenches must not extend below the bottom of the footing.
2. Rod holes must be spaced so as to achieve a continuous termiticide barrier but in no case more than 12 inches apart.
3. Trenches must be a minimum of 6 inches deep or to the bottom of the footing, whichever is less, and should not be wider than 6 inches.

When trenching in sloped (tiered) soil, the trench must be stepped to ensure adequate distribution and to prevent termiticide from running off. The dilution must be mixed with the soil as it is replaced in the barrier.

4. When treating plenums or crawl spaces, turn off the air circulation system of the structure until application has been completed and all termiticide has been absorbed by the soil.

**Inaccessible Crawl Spaces:** For inaccessible interior areas, such as areas where there is insufficient clearance between floor joists and ground floor spaces to allow operator access, excavate interior spaces and treat according to the instructions for accessible crawl spaces. Otherwise, apply one or a combination of the following two methods.

1. To establish a horizontal barrier, apply to the soil surface, 1 gallon of dilution per 10 square feet overall using a nozzle pressure of less than 25 p.s.i. and a coarse application nozzle (e.g., Delavan Type RD Raindrop, RD-7 or larger, or Spraying Systems Co. 8010LP TeeJet or comparable nozzle). For an area that cannot be reached with the application wand, use one or more extension rods to make the application to the soil. Do not broadcast or powerspray with higher pressures.

2. To establish a horizontal barrier, drill through the foundation wall or through the floor above and treat the soil perimeter at a rate of 1 gallon of dilution per 10 square feet. Drill spacing must be at intervals not to exceed 16 inches. Making smaller intervals, so check State regulations which may apply.

When treating plenums and crawl spaces, turn off the air circulation system of the structure until application has been completed and all termiticide has been absorbed by the soil.

**Masonry Voids:** Drill and treat voids in multiple masonry elements of the structure extending from the structure to the soil in order to create a continuous treatment barrier in the area to be treated. Apply at the rate of 2 gallons of dilution per 10 linear feet of footing, using a nozzle pressure of less than 25 p.s.i. When using this treatment, using a dry barrier, voids must be drilled below the sill plate and should be as close as possible to the footing as is practical. Treatment of voids in block or rubble foundation walls must be closely examined: Applicators must inspect areas where there is insufficient clearance between floor joists and ground floor spaces to allow operator access. Treat both sides of foundation areas or to reoccupy the contaminated areas of the structure until the clean-up is completed. A void may be converted to a foam and applied using the foam system of the structure until application has been completed and all termiticide has been absorbed by the soil.

**Note:** When treating below veneer care should be taken not to drill beyond the veneer. If concrete blocks are behind the veneer, both the blocks and the veneer may be drilled and treated at the same time. Not for use in voids insulated with rigid foam insulation.

**Excavation Technique:** If treatment must be made in difficult situations, along fieldstone or rubble walls, along faulty foundation walls, and around pipes and utility lines which lead downward from the structure to a well or pond, application may be made in the following manner.

a. Trench and remove soil to be treated onto heavy plastic sheeting or similar material.

b. Treat the soil at the rate of 4 gallons of dilution per 10 linear feet per foot of depth of the trench. Mix the dilution thoroughly into the soil taking care to prevent liquid from running off the liner.

c. After the treated soil has absorbed the liquid dilution, replace the soil in the trench.

**Attention:** When applying AVALON Insecticide in a confined area, the user should wear unvented goggles and a respirator approved by NIOSH during application.

**Foam Applications**

AVALON Insecticide dilution, from 0.06 to 0.12% may be converted to a foam with expansion characteristics from 2 to 40 times.

**Localized Application:** The dilution may be converted to a foam and the foam used to control or prevent termite infestations. Depending on the circumstances, foam applications may be used alone, in combination with liquid dilution applications. Applications may be made by injecting, spraying, or foaming or by foaming. Applications may be made by injecting, spraying, or foaming or by foaming.

Foam and liquid application must be consistent with volume and active ingredient instructions for treatment of voids and galleries in damaged wood. The foam application must be effective. The foam and liquid application must be consistent with volume and active ingredient instructions for treatment of voids and galleries in damaged wood. The foam application must be effective.

**Application Under Slabs or to Soil in Crawlspace to Prevent or Control Termites**

Application may be made using AVALON Insecticide foam alone or in combination with liquid dilution. The equivalent of at least 4 gallons (4 ounces of AVALON Insecticide concentrate) of 0.06% dilution per 10 linear feet of footing, or at least 4 ounces of AVALON Insecticide concentrate) of 0.06% dilution per 10 square feet (horizontal barrier) must be applied either as dilution, foam, or a combination of both. For a foam only application, apply AVALON Insecticide concentrate in sufficient foam concentration and foam volumetrically to deposit 4 ounces of concentrate per 10 linear feet or 1 ounce of concentrate per 10 square feet. For example, 2 gallons of 0.12% dilution generated as foam to cover 10 linear feet is equal to the application of 4 gallons of 0.06% dilution per 10 linear feet.

**Sand Barrier Installation and Treatment**

Termite can build mud tubes over treated surfaces as long as they have access to untreated soil and do not have to move AVALON Insecticide treated soil. Susceptible cracks and spaces can be filled with box sander’s or box sander’s and the sand treated with AVALON Insecticide. The sand should be treated as soil following the termite rate listed on the AVALON Insecticide label.

Retreatment for subterranean termites can only be performed if there is clear evidence of reinfestation or disruption of the barrier due to construction, excavation, or landscaping and/or evidence of the breakdown of the termiteicide barrier in the soil. These vulnerable or reinfested areas may be retreated in accordance with application techniques described in this product’s labeling. The timing and type of these retreatments will vary depending on factors such as termite pressure, soil types, soil conditions and other factors which may reduce the effectiveness of the barrier.

Annual retreatment of the structure is prohibited unless there is clear evidence that reinfestation or barrier disruption has occurred.

**APPLICATION IN CONJUNCTION WITH THE USE OF TERMITICIDE BAITS**

As part of the integrated pest management (IPM) program for termite control, AVALON Insecticide may be applied to critical areas of the structure including plumbing and utility entry sites, bath traps, expansion joints, foundation cracks and areas with known or suspected infestations at a rate of 0.06% as a spot treatment or complete barrier treatment. Applications may be made as described in the Postconstruction treatment section of this label.

**TERMITE CONTROL (ABOVE GROUND ONLY)**

The purpose of the applications described above is to control termite workers or winged reproductives that may be present at the time of treatment. These applications are intended as supplements to, and not substitutes for, mechanical alteration, soil treatment or foundation treatment.

To control exposed workers and winged reproductive termites in localized areas, dilute 1.0 fluid oz. of AVALON Insecticide per gallon of water and apply as a course fan spray at the rate of one gallon per 1,000 square feet to attics, crawl spaces, unfinished basements and other void areas. Treat swarming termites as well as the areas in which they congregate.

To control above-ground termites in localized areas of infested wood, dilute 1.0 fluid oz. of AVALON Insecticide per gallon of water and apply as a liquid or foam to voids and galleries in damaged wood as well as to spaces between floor joists and around holes in the sill plate and foundation where wood is vulnerable to attack. Applications may be made to inaccessible areas by drilling and then injecting the dilution or foam, with a suitable directional injector, into damaged wood or wall voids. All treatment holes drilled in construction elements in commonly occupied areas of structures should be securely plugged after...
treatment.
To control termite carton nests in building voids, dilute 1.0 fluid oz. of AVALON Insecticide per gallon of water and apply as a liquid or foam using a pointed injection tool. Multiple injection points and varying depths of injection may be necessary to achieve control. When possible, the carton nest material should be removed from the building void after treatment.

**LAWNS**

Apply AVALON Insecticide as a broadcast treatment. Use application volumes of up to 10 gallons per 1000 square feet to get uniform coverage when treating dense grass foliage.

For low volume applications, less than 2 gallons/1000 square feet, immediate irrigation of treated area with at least 0.25 inches of water following application to ensure efficacy of sub-surface pests such as, but not limited to, Mole Crickets, is recommended.

**LAWN APPLICATION RATES**

The application rates listed in the following table will provide excellent control of the respective pests under typical conditions. However, at the discretion of the applicator, AVALON Insecticide may be applied at up to 1 fl. oz. per 1000 square feet to control each of the pests listed in this Table. The higher application rates should be used when maximum residual control is desired or heavy pest populations occur.

<table>
<thead>
<tr>
<th>Pest</th>
<th>Application Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Armyworms&lt;sup&gt;1&lt;/sup&gt;</td>
<td>0.18 - 0.25 fluid oz. per 1000 sq. ft.</td>
</tr>
<tr>
<td>Cutworms&lt;sup&gt;1&lt;/sup&gt;</td>
<td>fluid oz. per 1000 sq. ft.</td>
</tr>
<tr>
<td>Sod Webworm&lt;sup&gt;1&lt;/sup&gt;</td>
<td>fluid oz. per 1000 sq. ft.</td>
</tr>
<tr>
<td>Annual Bluegrass Weevil (Hyperodidae) (Adult)&lt;sup&gt;2&lt;/sup&gt;</td>
<td>0.25 - 0.5 fluid oz. per 1000 sq. ft.</td>
</tr>
<tr>
<td>Sanks Grass Mite&lt;sup&gt;6&lt;/sup&gt;</td>
<td>fluid oz. per 1000 sq. ft.</td>
</tr>
<tr>
<td>Billbugs (Adult)&lt;sup&gt;9&lt;/sup&gt;</td>
<td>fluid oz. per 1000 sq. ft.</td>
</tr>
<tr>
<td>Black Turfgrass Atenius (Adult)&lt;sup&gt;4&lt;/sup&gt;</td>
<td>fluid oz. per 1000 sq. ft.</td>
</tr>
<tr>
<td>Centipedes</td>
<td>fluid oz. per 1000 sq. ft.</td>
</tr>
<tr>
<td>Earwigs</td>
<td>fluid oz. per 1000 sq. ft.</td>
</tr>
<tr>
<td>Grasshoppers</td>
<td>fluid oz. per 1000 sq. ft.</td>
</tr>
<tr>
<td>Leafhoppers</td>
<td>fluid oz. per 1000 sq. ft.</td>
</tr>
<tr>
<td>Mealybugs</td>
<td>fluid oz. per 1000 sq. ft.</td>
</tr>
<tr>
<td>Millipedes</td>
<td>fluid oz. per 1000 sq. ft.</td>
</tr>
<tr>
<td>Mites&lt;sup&gt;5&lt;/sup&gt;</td>
<td>fluid oz. per 1000 sq. ft.</td>
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<tr>
<td>Pillbugs</td>
<td>fluid oz. per 1000 sq. ft.</td>
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<tr>
<td>Sowbugs</td>
<td>fluid oz. per 1000 sq. ft.</td>
</tr>
<tr>
<td>Crane Flies&lt;sup&gt;12&lt;/sup&gt;</td>
<td>0.5 fluid oz. per 1000 sq. ft.</td>
</tr>
<tr>
<td>Ants</td>
<td>0.5 - 1.0 fluid oz. per 1000 sq. ft.</td>
</tr>
<tr>
<td>Chinch Bugs&lt;sup&gt;5&lt;/sup&gt;</td>
<td>fluid oz. per 1000 sq. ft.</td>
</tr>
<tr>
<td>Fleas (Larvae)&lt;sup&gt;7&lt;/sup&gt;</td>
<td>fluid oz. per 1000 sq. ft.</td>
</tr>
<tr>
<td>Imported Fire Ants&lt;sup&gt;3&lt;/sup&gt;</td>
<td>fluid oz. per 1000 sq. ft.</td>
</tr>
<tr>
<td>Japanese Beetle (Adult)</td>
<td>fluid oz. per 1000 sq. ft.</td>
</tr>
<tr>
<td>Mole Cricket (Adult)&lt;sup&gt;8&lt;/sup&gt;</td>
<td>fluid oz. per 1000 sq. ft.</td>
</tr>
<tr>
<td>Mole Cricket (Nymph)&lt;sup&gt;10&lt;/sup&gt;</td>
<td>fluid oz. per 1000 sq. ft.</td>
</tr>
<tr>
<td>Slink Bugs</td>
<td>fluid oz. per 1000 sq. ft.</td>
</tr>
<tr>
<td>Ticks&lt;sup&gt;11&lt;/sup&gt;</td>
<td>fluid oz. per 1000 sq. ft.</td>
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</tbody>
</table>

**In New York State, this product may NOT be applied to any grass or turf area within 100 feet of a water body (lake, pond, river, stream, wetland, or drainage ditch).**

In New York State, do make a single repeat application of AVALON Insecticide if there are signs of renewed insect activity, but not sooner than two weeks after the first application.

**Comments**

1. **Armyworms, Cutworms and Sod Webworms:** To ensure optimum control, delay watering (irrigation) or mowing for 24 hours after application. If the grass area is to be maintained at a mowing height of less than 1 inch, then higher application rates (Up to 1 fluid oz. per 1000 square feet) may be required during periods of high pest pressure.

2. **Annual Bluegrass Weevil (Hyperodidae) adults:** Applications should be timed to control adult weevils as they leave their overwintering sites and move into grass areas. This movement generally begins when Forsythia is in full bloom and concludes when flowering dogwood (Cornus florida) is in full bloom. Consult your State Cooperative Extension Service for more specific information regarding application timing.

3. **Billbug adults:** Applications should be made when adult billbugs are first observed during April and May. Degree day models have been developed to optimize application timing. Consult your State Cooperative Extension Service for information specific to your region. In temperate regions, spring applications targeting billbug adults will also provide control of over-wintered chinch bugs.

4. **Black Turfgrass Atenius adults:** Applications should be made during May and July to control the first and second generation of black turfgrass atenius adults, respectively. The May application should be timed to coincide with the blooming of Rose of Sharon (Hibiscus syriacus).

5. **Chinch Bugs:** Chinch Bugs infest the base of grass plants and are often found in the hatch layer. Irrigation of the grass area before treatment will optimize the penetration of the insecticide to the area where the chinch bugs are located. Use higher volume applications if the hatch layer is excessive or if a relatively long mowing height is being maintained. Chinch Bugs can be one of the most difficult pests to control in grasses and the higher application rates (Up to 1 fluid oz. per 1000 square feet) may be required to control populations that contain both nymphs and adults during the middle of the summer.

6. **Mites:** To ensure optimal control of eriophyid mites, apply in combination with the labeled application rate of a surfactant. A second application, five to seven days after the first, may be necessary to achieve acceptable control.

7. **Flea larvae:** Flea larvae develop in the soil of shaded areas that are accessible to pets or other animals. Use a higher volume application when treating these areas to ensure penetration of the insecticide into the soil. Note: If the lawn area is being treated with AVALON Insecticide at 0.25 fluid oz. per 1000 square feet, Consult your State Cooperative Extension Service for more specific information regarding application timing.

8. **Mole Cricket (Adult):** Mole Crickets (Adults) are often encountered in lawns and gardens. Applications should be made to control early to mid-season larvae. Treatments can be made to control early to mid-season larvae (approximately August – February) as they feed on plant crowns. Treatments made to late-season larvae (approximately March, April) may only provide suppression.

9. **Mole Cricket (Nymph):** Mole Cricket nymphs (Nymphs) are often encountered in lawns and gardens. Applications should be made to control early to mid-season larvae. Treatments can be made to control early to mid-season larvae (approximately August – February) as they feed on plant crowns. Treatments made to late-season larvae (approximately March, April) may only provide suppression.
ORNAMENTALS AND TREES

For ornamental applications (including but not limited to trees, shrubs, ground covers, bedding plants, and foliage plants) apply 0.125 to 1.0 fluid oz. of AVALON Insecticide per 1,000 square feet or 5.4 to 43.5 fl. oz. per 100 gallons. AVALON Insecticide may be diluted and applied in various volumes of water providing that the maximum label rate (1.0 fluid oz. per 1,000 square feet or 43.5 fl. oz per 100 gallons.) is not exceeded. AVALON Insecticide may be applied through low volume application equipment by dilution with water or other carriers and providing that the maximum label rate (1.0 fluid oz. per 1,000 square feet or 43.5 fl. oz per 100 gallons) is not exceeded.

Apply the specified application rate as a full coverage foliar spray. Repeat treatment as necessary to achieve control using higher application rates as pest pressure & foliage area increases. Limit repeat application to no more than once per seven days.

Certain cultivars may be sensitive to the final spray solution. A small number of plants should be treated and observed for one week prior to application to the entire planting.

Use of an alternate class of chemistry in a treatment program is recommended to prevent or delay pest resistance.

GREENHOUSES AND INTERIORSCAPES

Use AVALON Insecticide, either alone or tank mixed with other products, including insect growth regulators, to control a wide spectrum of insects and mites on trees, shrubs, foliage plants, non-bearing fruit and nut trees, and flowers in greenhouses and interiorscapes including hotels, shopping malls, office buildings, etc.

Calculating Dilution Rates using the Ornamental and Greenhouse Application Rates Table and the AVALON Insecticide Dilution Chart (page 3): The following steps should be taken to determine the appropriate dilution of AVALON Insecticide that is required to control specific pests:

1) Identify the least susceptible target pest (the pest requiring the highest application rate for control).
2) Select an application rate in terms of fluid oz. of AVALON Insecticide.
3) Identify your application volume and how much spray mix you want to prepare.
4) Use the Dilution Chart to determine the appropriate volume of AVALON Insecticide that must be mixed in your desired volume of water.

The application rates listed in the following table will provide excellent control of the respective pests under typical conditions. However, at the discretion of the applicator, AVALON Insecticide may be applied at up to 1 fluid oz. per 1,000 square feet (43.5 fl. oz. per 100 gallons per acre) to control each of the pest listed in this Table. The higher application rates should be used when maximum residual control is desired.

Apply the specified rate as a full coverage foliar spray. Repeat as necessary to achieve control using higher rates as pest pressure and foliage increases.

Certain cultivars may be sensitive to the final spray solution. A small number of plants should be tested prior to application of the entire planting.

Use an alternate class of chemistry in the treatment program is recommended to prevent or delay resistance.

<table>
<thead>
<tr>
<th>Pest</th>
<th>Application Rate Avalon Insecticide</th>
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<tbody>
<tr>
<td></td>
<td>Fluid Ounces per 1,000 square feet</td>
</tr>
<tr>
<td>Bagworms†</td>
<td>0.125 - 0.25</td>
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<tr>
<td>Cutworms</td>
<td></td>
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<tr>
<td>Elm Leaf Beetles</td>
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<tr>
<td>Fall Webworms</td>
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<tr>
<td>Gypsy Moth Caterpillars</td>
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<tr>
<td>Lace Bugs</td>
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<tr>
<td>Leaf Feeding Caterpillars</td>
<td></td>
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<tr>
<td>Tent Caterpillars</td>
<td></td>
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<tr>
<td>Adelgids†</td>
<td>0.25 - 0.5</td>
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<tr>
<td>Aphids</td>
<td></td>
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<tr>
<td>Bees</td>
<td></td>
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<tr>
<td>Beet Armyworm</td>
<td></td>
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<tr>
<td>Beetles††</td>
<td></td>
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<tr>
<td>Black Vine Weevil (Adults)</td>
<td></td>
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<tr>
<td>Brown Soft Scales</td>
<td></td>
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<tr>
<td>Broad Mites</td>
<td></td>
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<tr>
<td>Budworms</td>
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<tr>
<td>California Red Scale (Crawlers)†</td>
<td></td>
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<tr>
<td>Centipedes</td>
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<td>Cicadas</td>
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<td>Citrus Thrips</td>
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<td>Clover Mites</td>
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<td>Crickets</td>
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<td>Diaperpes (Adults)</td>
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<td>Earwigs</td>
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<tr>
<td>European Red Mite</td>
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<td>Flea Beetles</td>
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<td>Fungus Gnats (Adults)</td>
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<tr>
<td>Grasshoppers</td>
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<tr>
<td>Japanese Beetle (Adult)†</td>
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<tr>
<td>Leafhoppers</td>
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<td>Leafroller</td>
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<tr>
<td>Mealbug</td>
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<tr>
<td>Millipedes</td>
<td></td>
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<tr>
<td>Mites</td>
<td></td>
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<tr>
<td>Orchid Weevil</td>
<td></td>
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<tr>
<td>Pillbugs</td>
<td></td>
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<tr>
<td>Plant Bugs (Including Lygus spp.)</td>
<td></td>
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<tr>
<td>Psyllids†</td>
<td></td>
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<tr>
<td>Scale crawlers, such as California scale, San Jose scale, etc.†</td>
<td></td>
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<tr>
<td>Scorpions</td>
<td></td>
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<tr>
<td>Sowbugs</td>
<td></td>
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<tr>
<td>Spider Mites††</td>
<td></td>
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<tr>
<td>Spiders</td>
<td></td>
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<tr>
<td>Spittlebugs†</td>
<td></td>
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<tr>
<td>Thrips</td>
<td></td>
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<tr>
<td>Tip Moths</td>
<td></td>
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<tr>
<td>Treehoppers†</td>
<td></td>
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<tr>
<td>Twig Borers†</td>
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<tr>
<td>Wasps</td>
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<tr>
<td>Weevils††</td>
<td></td>
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<tr>
<td>Whiteflies</td>
<td></td>
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<tr>
<td>Ants</td>
<td>0.5 - 1.0</td>
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<tr>
<td>Imported Fire Ants**</td>
<td></td>
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<tr>
<td>Leafminers</td>
<td></td>
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<tr>
<td>Pecan Leaf Scorch Mite</td>
<td></td>
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<tr>
<td>Pine Shoot Beetle (Adults)</td>
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<tr>
<td>Sawfly larvae</td>
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<tr>
<td>Spider Mites†</td>
<td></td>
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<tr>
<td>Slink Bugs</td>
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</tbody>
</table>

Mosquitoes

See Mosquito Control directions for residual control rates and information on page 5.
Attention

Do not apply a broadcast application to interior surfaces of homes. Do not apply to pets, food crops, or sources of electricity. Firewood is not to be burned for one month after treatment. Use only in well ventilated areas. Do not use on edible crops. During any application to overhead areas within the structure, cover surfaces below with plastic sheeting or similar material, except for soil surfaces in crawlspaces. Do not allow spray to contact food, foodstuffs, food contacting surfaces, food utensils or water supplies. Thoroughly wash dishes and food handling utensils with soap and water if they become contaminated by application of this product. Do not treat areas where food is exposed. During indoor surface applications do not allow dripping or run-off to occur. Do not allow people or pets on treated surfaces until spray has dried. Let surfaces dry before allowing people and pets to contact surfaces. Prior to applying AVALON Insecticide to wood siding, especially rough wood siding, be sure to thoroughly agitate the tank mixture. Prior to treating wood siding, test a small area and allow it to dry to be sure no deposits will form. Follow the same procedure when applying to wood surfaces in direct sunlight or the heat of the day. Do not apply this product in patient rooms or in any rooms while occupied by the elderly or infirm. Do not apply in classrooms when in use. Do not apply when occupants are present in the immediate area in institutions such as libraries, sports facilities, etc. Application equipment that delivers low volume treatments, such as the Micro-Injector® or Actisol® applicators, may also be used to make crack and crevice, deep harborage, spot and general surface treatments of AVALON Insecticide.

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The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions beyond the control of PROKOZ, Inc. or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold PROKOZ, Inc. and Seller harmless for any claims relating to such factors.

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