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  EPA Est. 279-NY-1
Active Ingredient:  By Wt.
  Bifenthrin* ...................................................... 7.9%
Other Ingredients: ............................................. 92.1%
  100.0%

Talstar® P Professional Insecticide contains 7/8 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 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.

For Information Regarding the Use of this Product Call 1-800-321-1FMC (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.

**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 should be avoided.

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.

**HOTLINE NUMBER**

04/17/13
Environmental Hazards
This pesticide is extremely toxic to fish and aquatic invertebrates. Drift and run-on 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 waterways. 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 Talstar® P Professional 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*

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

NON-AGRICULTURAL USE REQUIREMENTS**

These requirements apply to all other non-greenhouse uses on this label.

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.

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 only to the greenhouse uses on this label

**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.

Use Directions for Squeeze-N-Measure Container
1. Remove the measuring chamber cap and induction seal.
2. Replace cap loosely on measuring chamber to allow venting.
3. Squeeze container gently until liquid fills measuring chamber.
4. Remove measuring chamber cap and dispense into proper application equipment.
5. Replace cap onto measuring chamber and Securely Tighten.

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 excess heat. Carefully open containers. After partial use replace lids and close tightly. Do not put concentrate or diluate material into food or drink container.
In case of spill, avoid contact, isolate area and keep out animals and domestic pets. Call CHEMTREC (Transportation and Spills): (800) 424-9300.
To Confine Spill: 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. Improper disposal of excess pesticide, spray mixture, or rinsate 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 ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or mix tank rinse 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 put in a sanitary landfill, or incinerator, if allowed by state and local authorities, by burning. If burned, stay out of smoke.
Returnable/Refillable Sealed Container: Refill this container with pesticide only. Do not reuse this container for any other purpose. Do not refill container. Do not empty remaining formulated product. Do not break seals. Return intact to point of purchase. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

General Information on the Use of this Product
Talstar® P Professional 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, and for non-porous surfaces. Do not use household utensils to measure Talstar® P Professional Insecticide.

Talstar® P Professional Insecticide Dilution Chart

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<th>Applic. Volume:</th>
<th>1 gallon</th>
<th>5 Gallons</th>
<th>10 Gallons</th>
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1 fluid oz. = 29.57 ml = 2 tablespoons = 6 teaspoons
Do not use household utensils to measure Talstar® P Professional Insecticide.

General Application Instructions
Talstar® P Professional Insecticide formulation mixes readily with water and other aqueous carriers.

Talstar® P Professional Insecticide may be tank-mixed with adjuvants, and with other pesticides, including insect growth regulators. When tank mixing Talstar® P Professional Insecticide with other pesticides, observe all precautions and limitations on each separate product label. The physical compatibility of Talstar® P Professional Insecticide may vary with different sources of pesticide products, 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 incompatible 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 Talstar® P Professional Insecticide:

\[
\text{Percent Active Ingredient of spray mix} = \frac{\text{Gallons of finished spray mix}}{128} \times 100
\]

APPLICATION DIRECTIONS

ANT CONTROL

Nuisance Ants Indoors: For best results, locate and treat ant nests. Dilute 0.5 to 1.0 fluid oz. of Talstar® P Professional Insecticide per gallon of water and apply at the rate of one gallon per 1,000 square feet as a 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 and behind refrigerators, sinks and stoves, 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 treating 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 Talstar® P Professional 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 Talstar® P Professional Insecticide per gallon of water and applying this dilution at the rate of one gallon per 1,000 square feet.

For maximum residual control, dilute 1.0 fluid oz. of Talstar® P Professional 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 Talstar® P Professional Insecticide per gallon of water and apply at the rate of one gallon 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. For best results, locate and treat ant nests. Ant nests may be treated 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 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 Talstar® P Professional 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 Talstar® P Professional 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 Talstar® P Professional Insecticide per gallon of water and applying this dilution at the rate of one gallon per 1,000 square feet.
4) For maximum residual control, dilute 1.0 fluid oz. of Talstar® P Professional 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 infestation cavity and inject or foam a 0.06% dilution (1.0 fluid oz. of Talstar® P Professional Insecticide per gallon of water) into the cavity using a sufficient volume and an appropriate treatment tool with a splashguard bow.

To control carpenter ants that are tunnelling in the soil, dilute 0.5 to 1.0 fluid ounces of Talstar® P Professional Insecticide per gallon of water and apply as a drench or inject the dilution or foam at intervals of 8 to 12 inches. Establish a uniform vertical barrier at the edges of walls, driveways or other hard surfaces where ants are tunnelling beneath the surface.

To protect firewood from carpenter ants and termites, dilute 1.0 fluid oz. of Talstar® P Professional Insecticide per gallon of water and apply to the soil beneath where the firewood will be stacked at the rate of one gallon of dilution per 8 square feet.

For wood piles and stored lumber apply a 0.06% dilution. Use a hose-end sprayer or sprinkling can to deliver a coarse drenching spray. Treated wood can be burned as firewood or used for lumber one month after treatment. Do not use in structures.

For Ant and Fire Ant Mounds control is optimized by combining broad spectrum applications that will control foraging workers from nests with small, mate-determined fly-in queens with mound drenches that will control existing colonies. If the soil is not moist, then it is important to irrigate before application or use a high volume application. Apply broadcast treatments at 0.5 to 1 fluid oz. per 1,000 square feet. Use enough finished volume to penetrate thatch and sand. Treat mounds by making a perimeter mound spray of Talstar® P Professional Insecticide in mounds to 2 gallons per 1,000 square feet such as high force to break their apex and allow the insecticide solution to flow into the ant tunnels. For best results, apply in cool weather (65 - 80°F) or in early morning or late evening hours.

Pest Control on Outside Surfaces and Around Buildings

Talstar® P Professional Insecticide will provide up to 1 month residual control of house flies. Length of residual control is dependent 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 abut non-porous horizontal surfaces can only be treated if either 1) these sections are protected from rainfall and spray from sprinklers or 2) they do not drain into a sewer, storm drain, or curbsec 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 Beetle, Bees, Beetles, Blister Flies, Boxelder Bugs, Centipedes, Chiggers, Chinch Bugs, Cockroaches, Crab Spiders, Cutworms, Ditchandra Flea Beetles, Earwigs, Elm Leaf Beetles, Firebrats, Flies, Fleas, Gnats, Grasshoppers, Hornets, Japanese Beetles, Midges, Millipedes, Mosquitoes, Moths, Scorpions, Silverfish, Sod Webworms, Soldierbugs (Pillbugs), Spider Mites, Spiders (including Black Widow, Brown Recluse and Hobo Spiders), Springtails, Stink Bugs, Ticks (including Brown Dog Ticks), Vinegar (Fruit) Flies, and Wasps.

*Not for use in California.

Apply Talstar® P Professional Insecticide using a 0.02 to 0.06% dilution as a residual spray to outdoor surfaces of buildings including, but not limited to, exterior siding, foundations, porches, window frames, eaves, patios, garages, refuse dumps, lawns such as grass areas adjacent or around discrete outdoor applications, dikes, townhouses, condominiums, house trailers, apartment complexes, carpots, garages, fence lines, storage sheds, barns, and other residential and non-commercial structures, soil trunks of woody ornamentals and other areas where persistent congregation of flies or insects are seen. Do not apply more than 0.01 oz. of Talstar® P Professional Insecticide per 1000 square feet. (Refer to the Talstar® Professional Insecticide Dose Chart).

Higher application volumes may be used to obtain desired coverage of dense vegetation or for landscaping requirements. Mix up to 10 gallons of water and Talstar® P Professional Insecticide as instructed above, apply at the rate of one gallon per 1,000 square feet. (Refer to the Talstar® Professional Insecticide Dose Chart).

Higher application volumes may be used to obtain desired coverage of dense vegetation or for landscaping requirements. Mix up to 10 gallons of water and Talstar® P Professional Insecticide as instructed above, apply at the rate of one gallon per 1,000 square feet. (Refer to the Talstar® Professional Insecticide Dose Chart).

Mixing Directions: For 0.02% dilution, mix 0.33 fluid oz. of Talstar® P Professional Insecticide in 2 gallons of water. For 0.06% dilution, mix 1 fluid oz. of Talstar® P Professional Insecticide in 2 gallons of water (1 fluid oz. = 2 tablespoons). Do not use household utensils to measure Talstar® P Professional Insecticide. Use the higher rate for heavy pest infestation, quicker knockdown or longer residual control. Treatment may be-c
essary 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 Talstar® P Professional per 1,000 square feet in sufficient water to provide adequate coverage (refer to Talstar® P Professional Insecticide Dilution Chart). 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-Infesting Insects and Nuisance Pests Outside of Structure**

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 but limit excess runoff.

To control wood-infesting 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 ground, bushes and in cracks and crevices which may harbor nests, saturating nest openings and contacting as many insects as possible.

**Pests Under Slabs**

Infestations of Arthropods, such as Ants, Cockroaches and Scorpions inhabiting under slab area may be controlled by drilling and injecting or horizontal rodding and then injecting 1 gallon of a 0.06% ½ gallon of a 0.12% dilution per 10 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 Talstar® P Professional Insecticide for mosquito control at an application rate of 0.33 to 1.0 fluid oz. of Talstar® P Professional Insecticide per gallon of water (0.07 to 0.22 lbs bifenithrin/acre), and apply at the rate of one gallon of dilution per 1,000 square feet as a general spray (refer to the Talstar® P Professional Insecticide Dilution Chart). Use the high rate for residual control of mosquito larvae. 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, patios, garages, refuse dumps, lawns such as grass areas adja- cent to or around private homes, duplexes, townhouses, condominiums, house trailers, apartment complexes, carpors, fence lines, stor- age sheds, barns, and other commercial, residential and non commercial structures, soil, trunk of woody ornamentals, trees, shrubs, ground cover, bedding plants, foliage plants, flowers, non-bearing fruit and nut trees urban areas, parks, campsites, athletic fields, playgrounds, recrea- tional areas, overgrown waste areas, rodent holes 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 com- modities during the season of application.

Use the high 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, 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 rate of 1.0 fluid oz. Talstar® P Professional 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 Talstar® P Professional Insecticide per 1,000 square feet (equivalent to 0.22 lbs. bifenithrin/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, Scorpions, Silverfish, Sowbugs (Pillbugs), Spider Mites, Spiders (including Hobo and Hobo Spiders), Spiders: Use this Bugs, Ticks (including Brown Dog Ticks), Vinegar (Fruit) Flies, and Wasps.

In the home, all food processing surfaces and utensils should be cov- ered during 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 trans- port. 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 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, 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.

**Talstar® P Professional Insecticide** is to be diluted with water for spray or brush application. Fill sprayer with the desired volume of water and add Talstar® P Professional Insecticide. Close and shake before use in order to mix thoroughly and avoid solution that is needed for the application. Retreatment may be necessary to achieve and/or maintain control during periods of high pest pressure. Repeat application is nec- essary only if there are signs of renewed insect activity. Limit repeat application to no more than once per seven days.

**Talstar® P Professional 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 crack 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 prod- uct 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 pesticide against bedbugs. Evidence of bedbugs is found in/on mattresses, 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**

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.

**Flies:**

Apply as a coarse, low pressure spray to areas frequented by pets, such as under bedding, rugs, next to furni- ture. Do not apply Talstar® P Professional 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, Springtails, and Stink Bugs:** Apply the rate of 1.0 fluid oz. Talstar® P Professional Insecticide per 1,000 square feet in sufficient water to cover 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. Repeat application every 2 or 3 days until insects have been eliminated.

**Spray Insecticides to Control Adult Mosquitoes Outdoors**

Apply as a coarse, low pressure spray to areas frequented by pets, such as under bedding, rugs, next to furni- ture. Do not apply Talstar® P Professional Insecticide directly to pets. Treatment must be dry before pet re-entry. Vacuum prior to treatment.

**Talstar® P Professional Insecticide** will provide up to 1 month resid- ual control of house flies. Length of residual control is dependant upon rate and surface treated.

Apply as a coarse, low pressure spray to areas frequented by pets, such as under bedding, rugs, next to furni- ture. Do not apply Talstar® P Professional Insecticide directly to pets. Treatment must be dry before pet re-entry. Vacuum prior to treatment.

**Bee and Wasps**

Use a 0.06% dilution. Application should be made in the late evening when insects are at rest. Thoroughly spray nest and entrance and surrounding areas where insects alight. Spray liberally into hiding and breeding places, especially under attic 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. Caution must be taken to avoid puncturing and injection into these structural elements. Do not apply into electrical fixtures, switches, or sockets. In the home, all food processing surfaces and utensils in the treatment area should be cleaned and washed before use, and sprayed after 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.

**FOR CONTROL OF STORED PRODUCTS PESTS**

Including Indian Meal Moths, Rice Moths, Tobacco Moths, Flour Beetles, Lesser Grain Beetles, Sawtoothed Grain Beetles, Grain Weevils, Warehouse Beetles, Cigarette Beetles, and Dermestid Beetles, Psocids, and other similar pests. Inspect to locate and remove infested food sources, remove or cover any food items or food serving dishes during treatment. Apply Talstar P Professional using a 0.02 to 0.06% dilution, 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, and underneath shelves, cabinets, 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/PET STORES:** Talstar® P Professional Insecticide dilution may be applied as a general surface, spot or crack and crevice treatment in food and non-food storage warehouses and stores. Apply to all areas that may harbor pests, including under and between pallets, bins, and shelves. Do not apply directly to food, grain bins (interior), or animal areas.

**FOOD/FEED HANDLING ESTABLISHMENT APPLICATIONS**

Applications of this product are permitted in both food/feed and non-food areas of food/feed handling 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, or served. Included are areas for receiving, storing, packing, preparing, edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups) of food. Serving areas where food is prepared and the facility is in operation are also considered food areas.

Permitted non-food areas of use include, garbage rooms, lavatories, entries and vestibules, offices, locker rooms, machine 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, candy plants, canneries, dairy product processing plants, food manufacturing plants, food processing plants, food service establishments, granaries, grain mills, hospitals, hotels, industrial buildings, laboratories, meat/poultry/egg processing plants, motels, motor homes, nursing homes, office buildings, 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 foods/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, canneries 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 applications may be made while the facility is in operation; however, food should be covered or removed from areas being treated. Do not apply directly to food. For this application a "spot" will not exceed 2 ft 2 sq. ft. or remove all food processing and/or handling equipment during application. 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, and underneath shelves, cabinets, furnaces, and stoves, the underside of shelves, drawers and similar areas. Pay particular attention to cracks and crevices. Do not apply directly to food.

**ANIMAL CONFINEMENT FACILITIES, LIVESTOCK PREMISES:**

Controls pests of poultry/livestock facilities and kennels, including biting insects, bed bugs, mites, and ticks. Apply as a general surface (including directed spray) and/or crack and crevice treatment. Control is enhanced when interior and exterior perimeter applications are made in and around the livestock, poultry, or pet housing structures. Normal cleaning practices of the structure also must be maintained along with Talstar P Professional Insecticide to effectively control crawling and flying insect pests.

For occupied areas of poultry/livestock facilities and kennels, apply to indoor cracks and crevices only. Exterior applications made into cracks and crevices, or foundation perimeters can help prevent interior infestations of flying and crawling insect pests. Apply Talstar P Professional Insecticide at a rate equivalent to 0.33 to 1 fl. oz per 1000 sq. feet. 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, nests, boxes, and mobile side curtains. Do not apply Talstar P Professional Insecticide directly to animals. To control bed bugs, 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, fencing and vegetation. Talstar P Professional Insecticide 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 growout or sanitation procedure, but not more frequently than every 8 weeks. Indoor control can be enhanced by making perimeter treatments around the outside of building foundations to prevent immigrating adult beetles. Apply in a uniform band 2 to 3 feet up and 8 to 10 feet out from the structure. Maintaining a year-round treatment program will prevent background populations from reaching problem levels.

To control beetles in houses containing birds grown on litter, apply Talstar P Professional Insecticide at a rate equivalent to 0.33 to 1 fl. oz per 1000 sq. ft to litter after birds are removed and during tilting. If litter is removed and replaced with fresh litter, apply Talstar P Professional Insecticide at a rate equivalent to 0.33 to 1 fl. oz per 1000 sq. ft 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 likely will 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 Talstar P Professional Insecticide per 1000 sq. ft. Pit walls, posts, and exterior of structure should also be sprayed. Reapply between each flock.

Allow Talstar P Professional Insecticide treatment to dry before applying disinfectants.

**DO NOT** apply Talstar P Professional 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 Talstar P Professional Insecticide to any animal feed, water, or watering equipment.

**DO NOT** contaminate any animal feed, food, or water in and around livestock, poultry, or pet housing when making applications.

**Foam Applications**

Talstar® P Professional 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. 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% Talstar® P Professional 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 approximately 2 inches of fill soil. Apply another 2 gallons per 10 linear feet over the soil surface to completely wet 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% Talstar® P Professional 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**

Create an insecticidal 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 continuous insecticidal barrier around 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 per 10 linear feet per foot of depth.

**Treatment of Wood-in-Place for Control of Wood-Infesting Insects:** (Localized Areas in Structure) For the control of insects such as Termites, Ants, Carpenter Ants, and wood-infesting beetles such as Old House Borer and Powder Post in localized areas of infestation 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 heat treatments may also be used. Plastic sheathing must be placed immediately below overhead areas that are spot treated except for soil surfaces in crawl spaces. Application may be made to inaccessible areas by drilling, and then injecting dilution with a crack and crevice injector. Such treatment in the damaged wood or voids is not intended to be a substitute for soil treatment, mechanical alteration 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 necessary. It is desirable to physically remove carton nest material from building voids when such nests are found.

**Pest Control in Crawlspace and Voids:** Broadcast Talstar® Professional Insecticide at 0.02% to 0.06% to all surfaces in crawl-space and/or void to control ants, fleas, roaches, or other arthropods. 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, wear as an in-line injector system, shirt, pants, socks, shoes and waterproof gloves are sufficient. In addition, all pesticide handlers must wear a respiratory protection device when working in a non-ventilated space. All pesticide handlers must wear protectively protective eyewear when working in a non-ventilated space or when applying termiticide 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 evacuated or removed. Keep 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 termitecidal in locations 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 practice: 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: trenching, rodding, slab-slab injection, coarse fan spraying of soil surfaces, a back and crevice (void) injection, excavated soil treatment, and brush or spray applications to infested or susceptible wood. These practices must be correctly employed to prevent or control infestations by subterranean termites such as: Coptotermes, Heterotermes, Renotermes, 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 water saturated or frozen or in any conditions where runoff or movement from the treatment area (site) is likely to occur. Consult state and local specifications 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 structure 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 method must be used if soil is removed and treated 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 this 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 technique 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 risk of applying the termicide into subsurface drains that could empty into any bodies of water. These precautions include evaluating whether application of the termicide 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 termicide.

Prior to using this technique near wells or cisterns, consult state, local authorities and agencies for information regarding approved treatment practices 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 termicide use dilution in the following manner: Fill tank 1/4 to 1/3 full. Start pump to begin by-pass agitation. Fill remaining amount of water. Let pump run and allow recirculation into the tank. Add appropriate amount of Talstar® Professional Insecticide. Add remaining amount of water. Let pump run and allow recirculation through the hose for 2 to 3 minutes.

Talstar® Professional 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 Talstar® Professional Insecticide with 99.25 gallons of water.

**Mixing:** For the desired application rate, use the chart below to determine the amount of Talstar® Professional Insecticide for a given volume of finished dilution:
Amount of Talstar® P Professional Insecticide

(Gallons except where noted)

<table>
<thead>
<tr>
<th>Dilution Concentration</th>
<th>Amount of Talstar P Professional</th>
<th>Amount of Water</th>
<th>Desired Gallons of Finished Dilution</th>
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</thead>
<tbody>
<tr>
<td>0.06%</td>
<td>1 oz 127 oz.</td>
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<td></td>
<td>5 oz 4.9</td>
<td>5</td>
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<td>10 oz 9.9</td>
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<td>25 oz 24.8</td>
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<td>1.5 qt. 49.6</td>
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<td>2.25 qt. 74.4</td>
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<tr>
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<td>3 qt. 99.25</td>
<td>100</td>
<td></td>
</tr>
</tbody>
</table>

| 0.12%*                 | 2 oz 126 oz.                     | 1              |
|                        | 10 oz 4.9                        | 5              |
|                        | 19.5 oz. 9.8                     | 10             |
|                        | 1.5 qt. 24.6                     | 25             |
|                        | 3 qt. 49.2                       | 50             |
|                        | 4.5 qt. 73.8                     | 75             |
|                        | 6 qt. 98.5                       | 100            |

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 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 the labeled rates and a continuous barrier can still be achieved.

Where desirable for both pre and post construction treatments, the volume of the 0.12% dilution may be reduced by ½ the labeled volume. See Volume Adjustment Chart below.

Volume Adjustment Chart

<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 dilution/10 ft²)</td>
<td>1.0 gallons</td>
<td>0.5 gallons</td>
</tr>
<tr>
<td>Vertical (gallons dilution/10 lin. 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 Talstar® P Professional 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 himself or herself or provide written notification of the above requirement to the contractor on site and to the person commissioning the application (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 sheathing), 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 runoff 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 arm 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 a minimum depth of 4 feet. 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. However, in no case should a structure be treated below the footing.

Effective pre-construction subterranean termite control is achieved by the establishment of vertical and/or horizontal insecticidal barriers using 0.06% dilution of Talstar® P Professional Insecticide.

Horizontal Barriers

Create a horizontal barrier wherever treated soil will be covered by a slab, such as footing trenches, slab floors, carports, and the soil between stairs and crawl spaces.

For a 0.06% rate apply 1 gallon of dilution per 10 square feet, or use 1 fluid ounce of Talstar® P Professional Insecticide per 10 square feet in sufficient water (no less than 1/2 gallon or more than 2 gallons) to provide thorough and continuous coverage of the area being treated. If the fill is washed gravel or coarse material, it is important that a sufficient amount of dilution be used to reach the soil substrate beneath the coarse fill.

Applications shall be made by a low pressure spray (less than 50 p.s.i.) using a coarse spray nozzle. If slab will not be poured the same day as treatment, cover treated soil with a water-proof barrier such as polyethylene sheeting. This is not necessary if foundation walls have been installed around the treated soil.

Vertical Barriers

Vertical barriers must be established in areas such as around the base of outbuildings, plumbing, utility entrances, back-filled soil against foundation walls and other critical areas.

For a 0.06% rate, apply 4 gallons of dilution per 10 linear feet per foot of depth or 4 fluid ounces of Talstar® P Professional Insecticide 10 linear feet for a foot of depth from grade to top of footing in sufficient water (not less than 2 gallons or more than 8 gallons) to ensure complete coverage.

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 so as to achieve a continuous termiticide barrier, but in no case more than 12 inches apart.

b. Care should be taken to avoid soil wash-out around the footing.

c. Trenches need not be wider than 6 inches. Dilution should be mixed with the soil as it is being replaced in the trench.

d. For a monolithic slab, an inside vertical barrier may not be required.

Hollow block voids may be treated 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 termite application and intended sites of application and instruct the responsible person to notify construction workers and other individuals.

Post Construction Subterranean Termite Treatment

Use a 0.06% dilution for post-construction treatment. Post-construction soil treatment by injection, trenching by injecting 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-out 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. Caution 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. However, in no case should a structure be treated below the footing.

Slabs

Vertical barriers may be established by sub-slab injection within the structure and trenching and rodding into the trench or trenching outside at foundations, and 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 required 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 longitudinal or by grid pattern injection vertically through the slab.

a. Drill holes in the slab and/or foundation to allow for the application of a continuous insecticidal barrier.
b. For shallow foundations (1 foot or less) dig a narrow trench approximately 6 inches wide along the outside of the foundation walls. Do not dig below the bottom of the footing. The dilution should be applied to the trench and soil at 4 gallons of dilution per 10 linear feet per foot of depth. When the footer is more than four feet below grade, the applicator may trench and rod into the trench, or trench and rod along 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 top of the footing. Sub-slab injection may be necessary along sides of foundation walls, along cracks and partition walls, around pipes, conduits, piers, and along both sides of interior footing-supported walls.

Inaccessible Crawl Spaces: For inaccessible interior areas, such as areas where there is insufficient clearance between floor joists and ground surfaces to allow operator access, excavate if possible, and treat according to the instructions for accessible crawl spaces. Otherwise, apply liquid 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 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 trenching. Treat both sides of foundation and around all piers and pipes. Where physical obstructions such as conduits, drainpipes, chimneys, foundations, or other elements prevent treatment, treatment may be made by rodding alone. When soil type and/or conditions make trenching prohibitive, rodding may be used. 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. Read and follow the mixing and use direction section of the label if situations are encountered where the soil will not accept the full application volume.

2. Rod holes and trenches must not extend below the bottom of the footing.

3. Trenches must be a minimum of 6 inches deep or to the bottom of the footing, whichever is less, and need not be wider than 6 inches.

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.

Application Under Slabs or to Soil in Crawlspace to Prevent or Control Termites: Application may be made using Talstar® P Professional Insecticide foam alone or in combination with liquid dilution. The equivalent of at least 4 gallons (4 ounces of Talstar® P Professional Insecticide concentrate) of 0.06% dilution per 10 linear feet (vertical barrier), or at least 1 gallon (1 ounce of Talstar® P Professional 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 Talstar® P Professional Insecticide concentrate in sufficient foam concentration and foam volume to deposit 4 ounces of concentrate per 10 linear feet or 1 ounce of concentrate per 10 square feet. 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.

Application in Conjunction with the Use of Termite Baits: As part of the integrated pest management (IPM) program for termite control, Talstar® P Professional Insecticide may be applied to critical areas of the structure including plumbing and utility entry sites, bath tub to 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.
TERMITES

The purpose of the applications described below are to kill 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 Talstar® P Professional 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 wooden structural members and between the sill plate and foundation where wood is vulnerable to attack. Applications may be made to inaccessible areas by drilling and 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-巢 nests in building voids, dilute 1.0 fluid oz. of Talstar® P Professional 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.

LAWN

Apply Talstar® P Professional 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, Talstar® P Professional 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 Talstar® P Professional Insecticide</th>
</tr>
</thead>
<tbody>
<tr>
<td>Armyworms</td>
<td>0.18 - 0.25 fluid oz. per 1000 sq. ft.</td>
</tr>
<tr>
<td>Cutworms</td>
<td>0.18 - 0.25 fluid oz. per 1000 sq. ft.</td>
</tr>
<tr>
<td>Sod Webworms</td>
<td></td>
</tr>
<tr>
<td>Annual Bluegrass Weevil (Hyperodera) (Adult)</td>
<td>0.25 - 0.5 fluid oz. per 1000 sq. ft.</td>
</tr>
<tr>
<td>Banks Grass Mite (Adult)</td>
<td></td>
</tr>
<tr>
<td>Black Turfgrass Attaenius (Adult)</td>
<td></td>
</tr>
<tr>
<td>Centipedes</td>
<td></td>
</tr>
<tr>
<td>Crickets</td>
<td></td>
</tr>
<tr>
<td>Earwigs</td>
<td></td>
</tr>
<tr>
<td>Fleas (Adult)</td>
<td></td>
</tr>
<tr>
<td>Grasshoppers</td>
<td></td>
</tr>
<tr>
<td>Leafhoppers</td>
<td></td>
</tr>
<tr>
<td>Mealybugs</td>
<td></td>
</tr>
<tr>
<td>Millipedes</td>
<td></td>
</tr>
<tr>
<td>Mites</td>
<td></td>
</tr>
<tr>
<td>Mole Crickets</td>
<td></td>
</tr>
<tr>
<td>Sowbugs</td>
<td></td>
</tr>
<tr>
<td>Crane Flies</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>Fleas (Larvae)</td>
<td></td>
</tr>
<tr>
<td>Japanese Beetle (Adult)</td>
<td></td>
</tr>
<tr>
<td>Mole Cricket (Adult)</td>
<td></td>
</tr>
<tr>
<td>Mole Cricket (Nymph)</td>
<td></td>
</tr>
<tr>
<td>Slink Bugs</td>
<td></td>
</tr>
<tr>
<td>Ticks</td>
<td></td>
</tr>
</tbody>
</table>

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 maintained, allow a mowing height of greater than 1 inch. The 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 (Hyperodera) 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 continues through flowering dogwood (Cornus Florida). Applications to four State Cooperative Extension Service for more specific information regarding application timing.

3. Black Turfgrass Attaenius adults: Applications should be made during May and July to control the first and second generation of black turfgrass attaenius adults, respectively. The May application should be timed to coincide with the full bloom stage of Vanhoutte spirea (Spiraea vanhouttei) and horse chestnut (Aesculus hippocastanum). The July application should be timed to coincide with the blooming of Rose of Sharon (Hypericum syriacum).

4. Mole Cricket nymphs: Grass areas that received intense adult mole cricket pressure in the spring should be treated immediately prior to the lawn hatch. Optimal control is achieved at this time because young nymphs are more susceptible to insecticides and they are located near the soil surface where contact with the insecticide will be maximized. Grass areas that receive pressure from adult mole crickets should be treated at peak egg hatch to ensure optimum control of subsequent nymph populations (see below).

5. Mole Cricket adults: Achieving acceptable control of adult mole crickets is difficult because preferred grass areas are subject to continuous invasion during the early spring by this extremely active stage. Applications should be made as late in the day as possible and should be watered in with up to 0.5 inches of water immediately after treatment. If the soil is not moist, then it is important to irrigate before application to bring the mole crickets closer to the soil surface where contact with the insecticide will be maximized. Grass areas that receive pressure from adult mole crickets should be treated at peak egg hatch to ensure optimum control of subsequent nymph populations (see below).

6. Mole Cricket nymphs: Grass areas that received intense adult mole cricket pressure in the spring should be treated immediately prior to the lawn hatch. Optimal control is achieved at this time because young nymphs are more susceptible to insecticides and they are located near the soil surface where contact with the insecticide will be maximized. Grass areas that receive pressure from adult mole crickets should be treated at peak egg hatch to ensure optimum control of subsequent nymph populations (see below).

7. Ticks (including ticks that may transmit Lyme Disease and Rocky Mountain Spotted fever): Do not make spot applications. Treat the entire area where exposure to ticks may occur. Use higher spray volumes when treating areas with dense ground cover or heavy leaf litter. Ticks may be reintroduced from surrounding areas or host animals. Mowing may be necessary after treatment and may be used to achieve and/or maintain control during periods of high pest pressure. Repeat application is necessary only if there are signs of renewed activity. Limit repeat applications to no more than once per season.

8. Deer ticks (Ixodes sp.) have a complicated life cycle that ranges over a two year period and involves four life stages. Applications should be made in the late fall and/or early spring to control adult ticks that are usually located on brush or grass above the soil surface and in mid to late spring to control larvae and nymphs that reside in the soil and leaf litter.

9. American dog ticks may be a considerable nuisance in suburban settings, particularly where homes are built on land that was previously field forest. These ticks commonly congregate along paths or roadways where humans are likely to be encountered. Applications should be made as necessary from mid-spring to early fall to control American dog tick larvae, nymphs and adults.

10. Carne Flies: 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.

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 Talstar® P Professional Insecticide if there are signs of renewed insect activity, but not sooner than two weeks after the first application.
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 Talstar® P Professional Insecticide per 1,000 square feet or 5.4 to 43.5 fl. oz. per 100 gallons. Talstar® P Professional 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. Talstar® P Professional 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 resistance.

GREENHOUSES AND INTERIORSCAPES
Use Talstar® P Professional 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 Talstar® P Professional Insecticide Dilution Chart (page 3): The following steps should be taken to determine the appropriate dilution of Talstar® P Professional 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 Talstar® P Professional 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 Talstar® P Professional Insecticide that must be mixed in your desired volume of water.

ORNAMENTAL and GREENHOUSE 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, Talstar® P Professional 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</th>
<th>Talstar® P Professional Insecticide</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Fluid Ounces per 1,000 square feet</td>
<td>Fluid Ounces per 100 gallons</td>
</tr>
<tr>
<td>Bagworms†</td>
<td>0.125 - 0.25</td>
<td>5.4 - 10.8</td>
</tr>
<tr>
<td>Cutworms</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Elm Leaf Beetles</td>
<td>0.125 - 0.25</td>
<td>5.4 - 10.8</td>
</tr>
<tr>
<td>Fall Webworms</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Gypsy Moth Caterpillars</td>
<td>0.125 - 0.25</td>
<td>5.4 - 10.8</td>
</tr>
<tr>
<td>Lace Bugs</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Leaf Feeding Caterpillars</td>
<td>0.125 - 0.25</td>
<td>5.4 - 10.8</td>
</tr>
<tr>
<td>Tent Caterpillars</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Adelgids†</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Aphids</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Bees</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Beet Armyworm Beetles</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Black Vine Weevil (Adults)</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Brown Soft Scales</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Broad Mites</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Budworms</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>California Red Scale (Crawlers)†</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Centipedes</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Cicadas†</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Citrus Thrips</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Clover Mites</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Crickets</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Diaprepes (Adults)</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Earwigs</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>European Red Mite</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Flea Beetles</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Fungus Gnats (Adults)</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Grasshoppers</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Japanese Beetle (Adult)†</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Leafhoppers</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Leafrolllers</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Mealylbugs</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Millipedes</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Mites</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Orchid Weevil</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Pillbugs</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Plant Bugs (Including Lygus spp.)</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Psyllids†</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Scale crawlers, such as California scale, San Jose scale, etc.†</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Scorpions</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Sowbugs</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Spider Mites†</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Spiders</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Spittlebugs†</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Thrips</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Tip Moths</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Treehoppers†</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Twig Borers†</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Wasps</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Weevils†</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Whiteflies†</td>
<td>0.25 - 0.5</td>
<td>10.8 - 21.7</td>
</tr>
<tr>
<td>Ants</td>
<td>0.5 - 1.0</td>
<td>21.7 - 43.5</td>
</tr>
<tr>
<td>Imported Fire Ants**</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Leafminers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pecan Leaf Scorch Mite</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pine Shoot Beetle (Adults)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sawfly larvae</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spider Mites†</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Slink Bugs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mosquitoes</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 crawlspace.
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 Talstar® P Professional 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 Talstar® P Professional Insecticide.
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NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

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 FMC or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold FMC and Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the Directions for Use when used in accordance with the directions under normal conditions of use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, FMC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE SELECTION, PURCHASE, OR USE OF THIS PRODUCT. Any warranties, express or implied, having been made are inapplicable if this product has been used contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) seller or FMC, and buyer assumes the risk of any such use.

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Actisol is a registered trademark of Roussel-Uclaf